



HP Trust Center Connection Manager Administrators' Guide

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1 Software Introduction

This Device Management Software (DMS) is a thin client and zero client management console tool which lets administrators centrally manage and deploy your client devices.

The software lets you:

- Ensure secured HTTPS-based information transmission and communication with client devices
- Remotely update client device firmware/BIOS/OS, reset devices and upload firmware/BIOS/OS files
- Manage virtual desktop connection settings
- Manage administrator settings and identification
- Control real-time state of client devices and view status information
- Configure a schedule of power management, profile update, and firmware update
- Support remote connection with thin clients using VNC and SSH
- Manage and configure Anyware Trusted Zero Clients

2 System Configuration and Precautions

The software provides IT administrators with a browser-based console for managing client devices. It supports browsers Google Chrome, Microsoft Edge, and Firefox. To get a better web page user experience, we recommend setting your display at a resolution of 1440x900 or above.

TCP and UDP ports assigned for the software are shown in the table below:

Port	Port Number	Description
TCP	20	FTP (Default communication port)
TCP	21	FTP (Control port)
TCP	22	<ul style="list-style-type: none">● SFTP (Secure File Transfer Protocol)● SSH connection (remotely connect to devices)



UDP	69	TFTP (Trivial File Transfer Protocol)
TCP, UDP	389	LDAP
TCP	443	HTTPS port for browser to connect to DMS (Browser -> DMS)
UDP	1900	Microsoft SSDP Enables discovery of UPnP devices
TCP	3306	MySQL database system
TCP	5900	VNC connection (remotely connect to devices)
TCP	6080	VNC web version remote connection package NoVNC: DMS -> NoVNC (6080) -> Devices (VNC:5900)
TCP	8443	HTTPS port between DMS and devices with latest LvOS releases: DMS (8443) <-> Device (8443)
TCP	9080	SSH web version remote connection package GateOne: DMS -> GateOne (9080) -> Devices (SSH:22)

Table 1 Required TCP/UDP ports for DMS

Note: For successful network connectivity, ensure that the required ports mentioned above are enabled.

3 Features

3.1 Multi-Language

DMS supports user interface in English, Japanese, Korean, German, Traditional Chinese, and Simplified Chinese. It automatically switches language shown based on the browser language that the administrator uses. If it detects the administrator is using a Japanese browser, DMS will display the configuration pages in Japanese; if it isn't in the supported language listed above, it shows pages in English. If you want to change the language, select from the "Language" menu in the upper right corner of the overview page. It will show your selected language the next time you log in.

This guide demonstrates configuration pages in English. The following indicates English login screen:

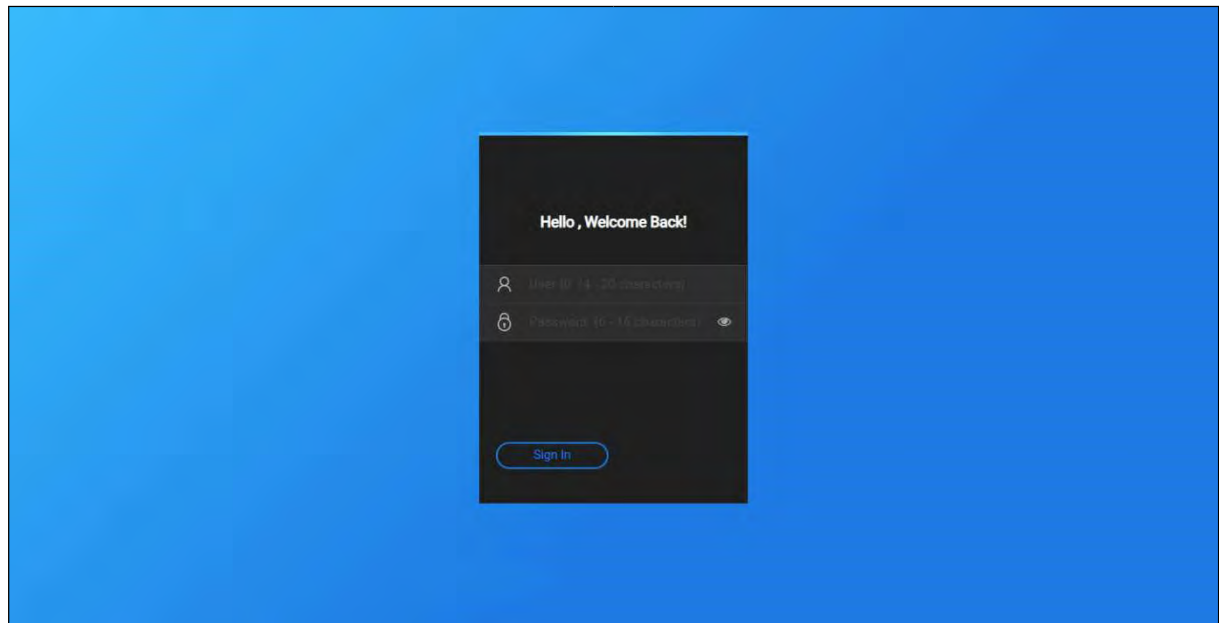


Figure 1 English login screen

3.2 Login

There are two types of DMS administrators with different log-in authentication: an Admin (administrator) who can **View, Add, Edit, Delete** data; and a Viewer who is allowed to **View** information only.

New administrators can be added through the software or imported from LDAP (Lightweight Directory Access Protocol) system. The same user account is allowed to login simultaneously from different locations.

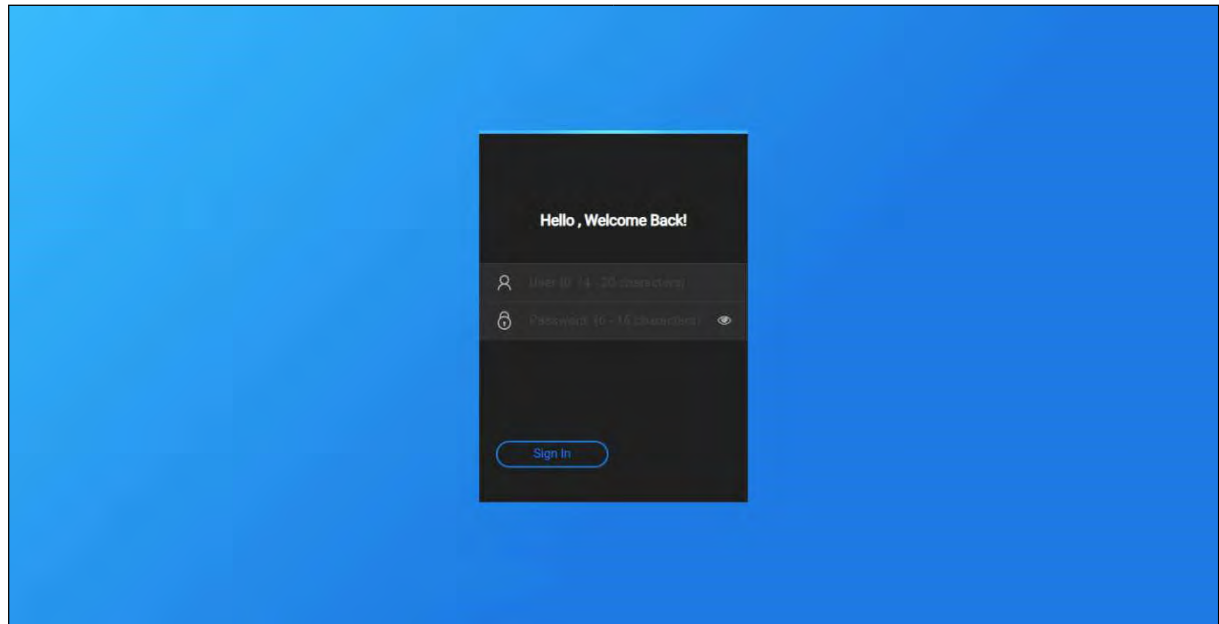




Figure 2 Login screen

Open a web browser and then enter the IP address of the DMS server. (<https://<IP address>/DMSWeb/index.html>). You will see the log-in screen of the DMS front page.

When you first log in DMS, the default administrator username is “administrator” and the password is “administrator”. For security purposes, you will be asked to do initialize settings, including adding an administrator account to replace the default account. You can reconfigure the account and password in **Settings** ->

Administrator.

If the administrator account is imported from LDAP, use LDAP username and password to log in DMS. DMS will compare and authenticate LDAP user information.

Click the Show Password icon  to display the data in the password field; click the Hide Password icon  to hide the data in the password field.

3.2.1 Session Timeout

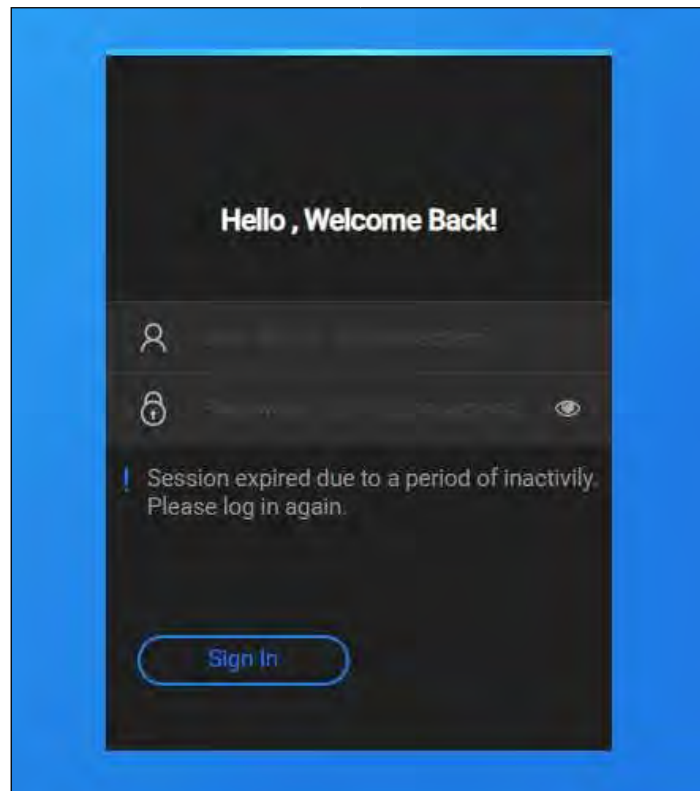


Figure 3 DMS session timeout message

If no activity occurs during the timeout period of 30 minutes, the DMS session times out and it will automatically return to the login screen and display the reason for returning to the login page.

3.2.2 Database Connection Error

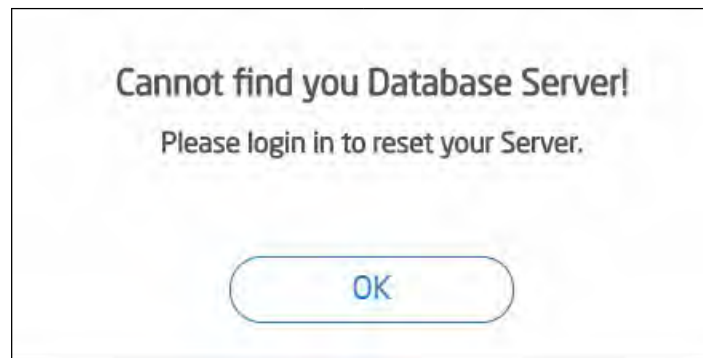


Figure 4 Database connection error screen

If DMS cannot make a successful connection with the database server, an error message appears. Click **OK** and follow the instructions to fix connection issues.

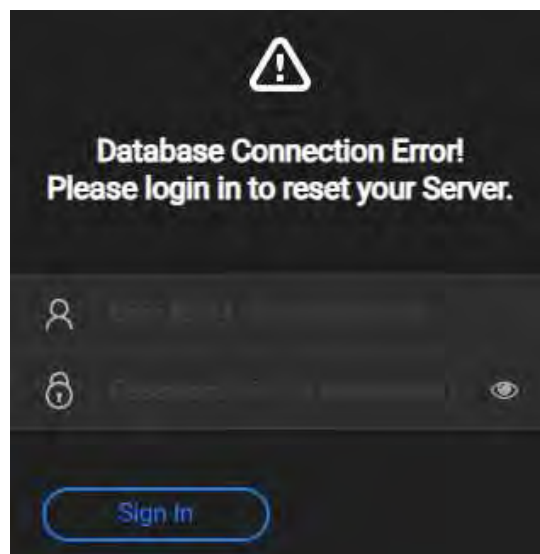


Figure 5 Database connection error - login screen

Enter your administrator account/password and press **Sign in** to login.

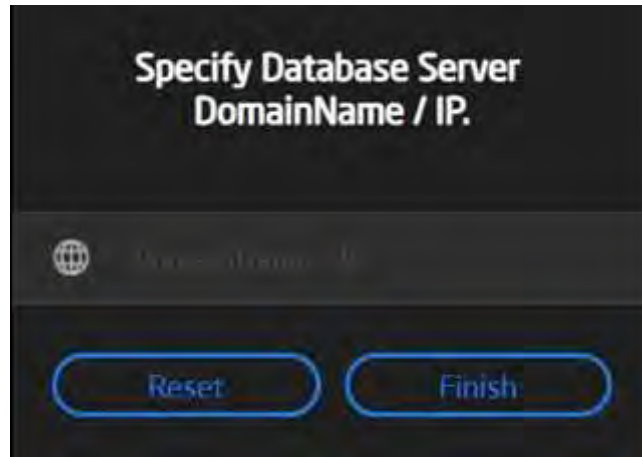


Figure 6 Database connection error - configuration screen

After identifying and solving the problem that causes the database access failure, enter the identified domain name or IP address of the databased host server. Click **Finish** to reconfigure the database or click **Reset** to erase the data on the page.



3.3 Initialize Settings

When an administrator first login DMS, you have to configure some initial settings, including: assign server name or IP address, and add an administrator username and password.



Figure 7 DMS initialize setting screen - 1

Use the default administrator username and password to log in DMS. You will see the welcome to DMS screen. Press **OK** to enter the initialize setting screen.



Figure 8 DMS initialize setting screen - 2

This page lets you configure host domain name or IP address. Enter DMS domain name or IP address that is present on the network. You can configure a virtual host deployed in the network and get the IP address through DHCP or a static IP. If there is a chance of changing the host IP address in the future, it is recommended to set the network of the virtual host as the domain name.

Press **Next** to enter the next setting page, or press **Reset** to erase the data on the page.

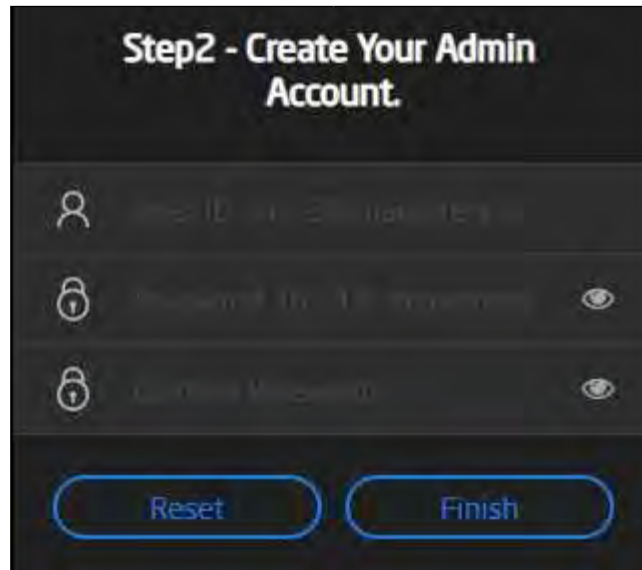


Figure 9 DMS initialize setting screen - 3

Add an administrator username and password on the page. **Note** that you have to choose a different administrator name from the default name when you create a new account. Enter your new username, password and re-confirm the password. Press **Finish** to complete DMS initialize settings.

To secure the DMS, it is critical for administrators to remember administrator's account and password. If there is only one user with the privilege of having Admin access, there is no way to regain or recover access to his/her account after forgetting his/her account and password. It is recommended to establish at least 2 users with Admin access privilege.

Press **Reset** to erase the data on the page.

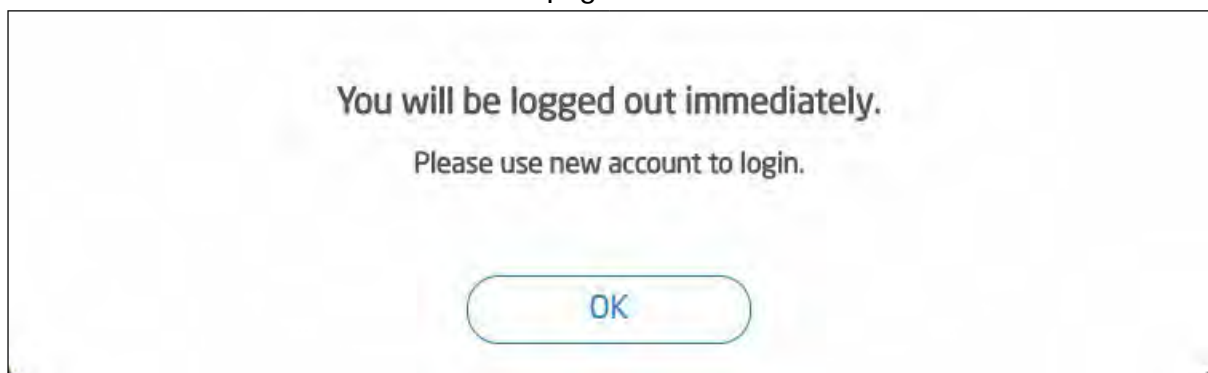


Figure 10 DMS initialize setting screen - 4



After assigning server name or IP address, and adding the administrator username and password successfully, you will see the log out screen. Press **OK** to log out DMS. You have to use the new username and password the next time you log in DMS.

3.4 Overview

After you log in DMS, the Overview home webpage appears. The Overview page shows **device type, device status, task execution status, task warning / failed log, server status, and online users** information.

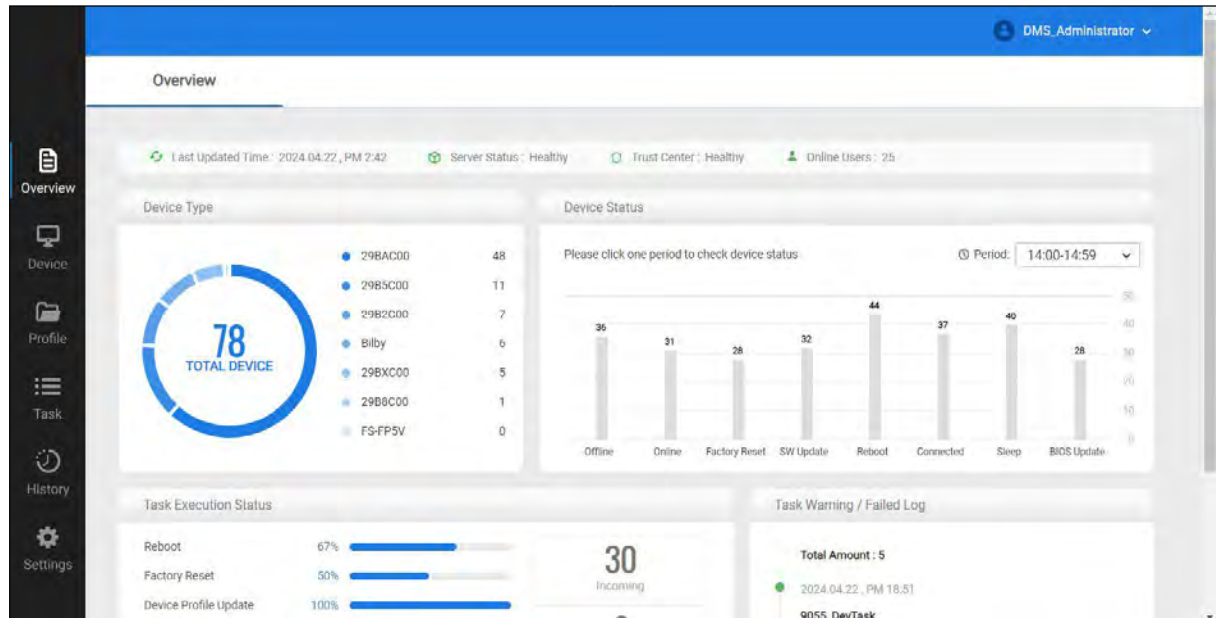


Figure 11 Overview home page

There are a few sections that are included on the Overview homepage. In the upper-right corner of the screen, it shows the administrator's name. Click the to find copyright and

icon software information , log out option and language selection . Press **About** to show copyright

and software information; press **Sign Out** to log out DMS; or press **Language** to select the display language of the web page.

DMS feature list is shown in the left side of the screen. You can choose





Overview , Device , Profile , Task , History , and Settings to configure these features.

In the upper left side of the screen, it shows the last data synchronized time,



e.g. . Click the icon to refresh





data. If the last updated time is within 60 seconds of the moment, it shows **Just sync**. Next to the last updated time is the server status, e.g.

 **Server Status : Health** . Click the icon  to show detailed server used space information. And the last is the number of online users **Online Users : 8**  . Click the icon  to show online user information.



If the server operates normally, the server status shows **Healthy**

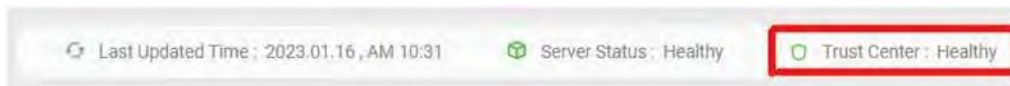
 **Server Status : Healthy** . If the hard drive usage rate or device files used space goes beyond 90%, the server status shows **Warning**  **Server Status : Warning** .

After the connection between DMS and Anyware Trust Center is successfully set up, the current status of the Trust Center (Healthy  **Trust Center : Healthy**

/Unhealthy  **Trust Center : Unhealthy**) will be displayed on the left side of the

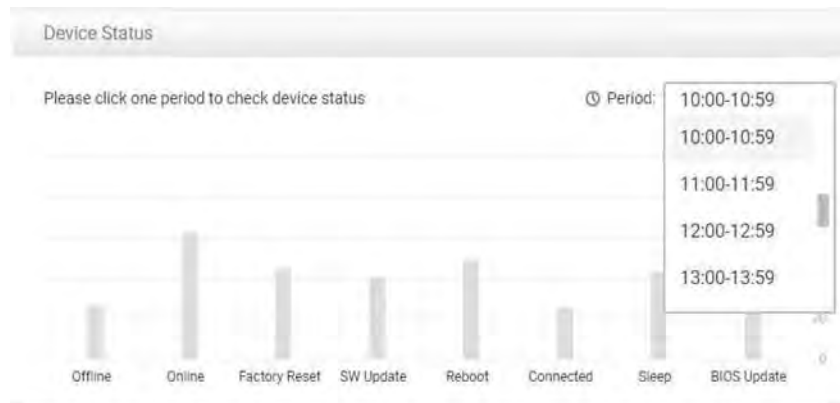
online users. If you haven't configure the Trust Center, it will display Unset

 **Trust Center : Unset** . Click the icon  to configure the Trust Center. You can add or modify the connection settings.



There are two sections that are included in the central screen. **Device Type** on the left summarizes device type information, including total device number and the number of each device type. Click a device type in the list (e.g. 29B8C00) and a pie chart on the left will show the percentage and number of the device type. **Device Status** on the right shows device status earlier on the same day, including devices in offline, online, factory reset, SW update, reboot, connected, sleep, and BIOS update states. Next to each state is the number of the state being executed, added once every hour.

Select a specific period of time in **Device Status** to show the number of devices that match the device status at that particular time. The default period displayed is the status when you move to the Overview page.



In the lower part of the screen, the screen is divided into two parts. **Task Execution Status** on the left shows the task execution results and the success rate. It also summarizes the status of all the current tasks, including Incoming, In Progressing, Overdue, Executed, and Failed. **Task Warning/Failed Log** on the right shows all **Warning** and **Fail** execution events happening earlier on the same day.

Move the mouse to a specific execution success bar in **Task Execution Status** to show the number of success and fail results.



Click **Task Execution Status** title to show task screen and view all task information. Click **Task Warning/Failed Log** title to show history screen and view all DMS event history, including add/edit/delete events and all task execution results.

View Online Users		
Online Users		
Total Count : 6	<input type="text" value="Search"/>	
User ID	Access Level	Online Time
DMS_Administrator	Admin	2024.04.22 15:00
3928	Admin	2024.04.22 14:29
1853	Viewer	2024.04.22 14:18
1033	Admin	2024.04.22 13:59
0716	Viewer	2024.04.22 12:37
5319	Admin	2024.04.22 11:08
<div>VIEW ALL</div> <div>CANCEL</div>		

Figure 12 View online users


Click the icon in online users **Online Users: 8** to show online administrator and viewer information, including user ID, access level, online date and time. The list defaults to the descending order of "Online Time", and the last online user will be displayed first. In search field , you can search any data that meets your search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.

Click each column header to sort the data in ascending or descending order.

^ User ID	^ User ID
1708	viewer
1852	admin
admin	1852
viewer	1708

Sort data in ascending order or descending order
Click **VIEW ALL** to enter account setting page.



Click **CANCEL** or icon  to close the dialogue and return to Overview page.

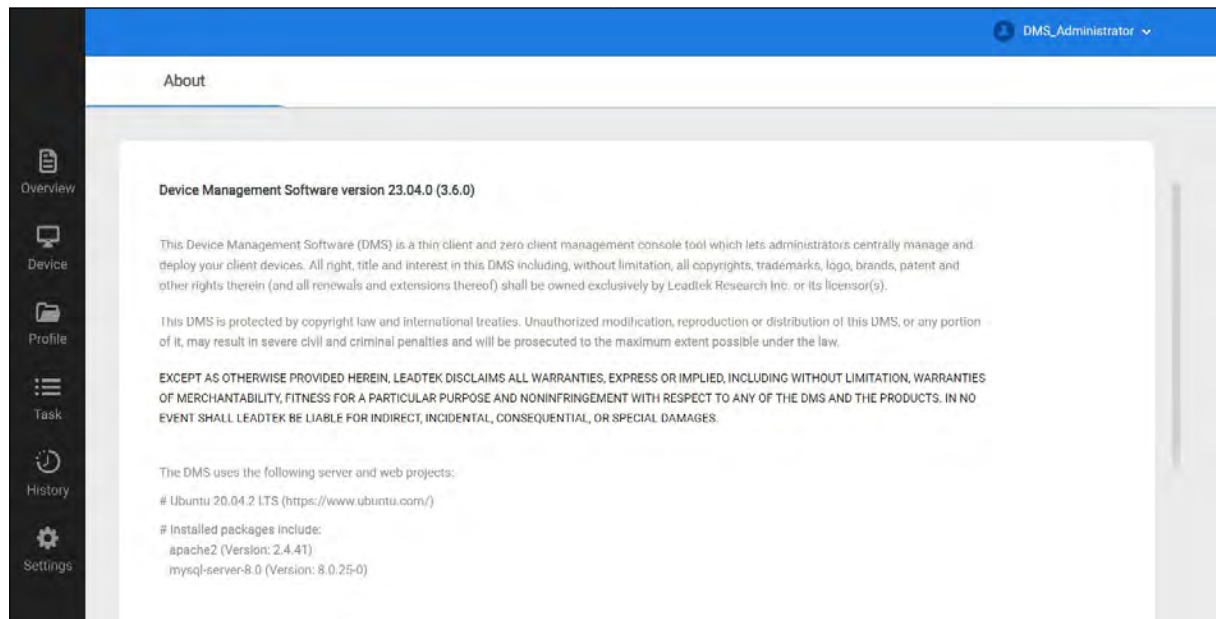



Figure 13 About screen

In the upper right of the screen, it shows the user name. Click the drop down icon  and click About option to show copyright and software information, including DMS software version, copyright disclosure statement, and installed packages that DMS uses.

3.5 Device

The Device page provides connected device information. It lets you view device information, configure the group or ungroup to facilitate device management, power on/off or reboot devices for a specific or multiple groups, update devices for a specific or multiple groups, reset hardware for a specific or multiple groups, and update connection profile or device profile configuration.

Also, the **Device/Support** page shows online and VNC/SSH-supported devices. Administrators can use VNC or SSH session to control and manage the remote desktop, and furthermore clarify preliminary issues and fix problems for the connected devices.

When DMS is initially started, there isn't any default group being created. It is recommended to create a group when you start to use the software. When a device turns on and is registered to DMS, you will find the ungrouped device in **Device -> Ungrouped**



page. Then you can assign the device to a selected group, according to its characteristic, for your further management. You can only perform remotely power on/off and reboot commands on an ungrouped device. For a grouped device, you can remotely perform power on/off, reboot, factory reset, SW update, connection profile update, device profile update, and BIOS update activities through the DMS.

3.5.1 Grouped

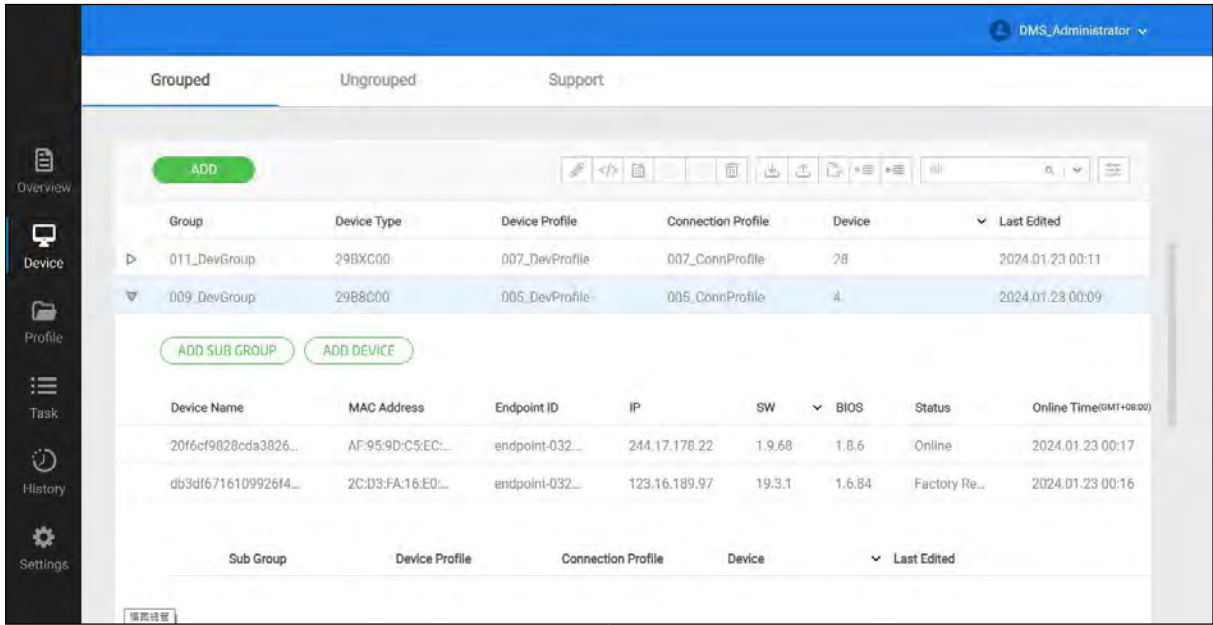


Figure 14 Grouped Device


Click **Device** in the left side of the screen. You will see information of the created device groups, including group name, device type, device profile, connection profile, device






number, and the last edited time. The list defaults to the descending order of "last edited time", and the last edited item will be displayed first.

Select a group that you want to view detailed information of its devices. You are able to send power on/off, reboot, device update, factory reset, connection profile or device profile configuration update commands to the devices in a specific group.

You can add or delete devices from a group, move devices to a new group, or send power on/off, reboot, device update, factory reset, connection profile or device profile update commands to a specific device or multiple devices.

If there is a scheduled task being executed in the group, an icon  will be displayed on the left, and when the mouse is moved to the top, a prompt message "Task is running" will be displayed.

In search field , you can search any data that meets your search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.

Click the advanced search icon  to show advanced search screen. You can define search criteria (e.g. Device Type, Group, Device Profile, Connection Profile, MAC Address, IP, SN, SW Version, BIOS Version and Status) to find particular data in grouped device screen. After choosing the criteria you want to use and entering your search words, click the add rule icon  **Add Rule** to

add rule in search list. You can add one or several search criteria. After completing the setting, click **SEARCH** to start data searching; or click **CANCEL** to close search screen and go back to grouped device screen.



Advanced Search Reset Form

Filter



All (and)


Group contains



List + Add Rule

- Device Type contains abc
- Group contains 123

SEARCH CANCEL






Click the import icon  in the toolbar to import previously exported group data. Click the export icon  in the toolbar to export group data. If you didn't click and choose any group from the list, it exports all group data; if you click and choose a specific group from the list, it only exports the selected group data.





Click the export device inventory report icon  in the toolbar to export device inventory information. This will export information of all devices in the group.

Click the expand icon  in the toolbar to extend and show all groups and the device information within each group. Click the collapse icon  in the toolbar to collapse all groups and the device information within each group.

Click each column header to sort the data in order of letter or number.











Sort data in ascending order	Group	or descending order	Group
▶	jason_29A7	▶	TST1_DG_1
▶	jason_29A7_user	▶	Test_Running_02_47
▶	jason_test	▶	Test_Running_01_A7
▶	jason_test1	▶	Test_InTask_02_48

- Choose a group from the list and click a toolbar icon at the top of the window      to edit, send commands, view, or delete a group.

- Click the edit icon  in the toolbar to edit group information or configure device name.
- Click the send command icon  in the toolbar to send commands to devices in a group.
- Click the view icon  in the toolbar to view group information.
- Click the delete icon  in the toolbar to delete a group.

Right-click a group from the list and it will show a shortcut list of sending commands, editing, viewing, deleting, exporting and importing, which are the same as the icons in the toolbar.



- Choose a device in a group and click a toolbar icon at the top of the window      to rename device, send command, view, move the device to another group, or ungroup the device from the group.
- Click the rename device icon  in the toolbar to configure device name.
- Click the send command icon  in the toolbar to send commands to a selected device.
- Click the view icon  in the toolbar or click the left mouse button twice to view device information.
- Click the move device icon  in the toolbar to move a selected device to another group.
- Click the ungroup icon  in the toolbar to remove a selected device from the current group. The removed device will be displayed in **Ungrouped** page.



Right-click a device from the list and it will show a shortcut list of renaming device, sending commands, viewing device information, moving to another group, and ungrouping, which are the same as the icons in the toolbar.



Device Name	MAC Address	Endpoint ID	IP	SW	BIOS	Status	Online Time(UTC+0800)
20f6c195280da3826...	AF:95:9D:05:E0...	20f6c195280da3826...	192.168.1.78.72	1.9.68	1.8.6	Online	2024.01.23 00:17
db3df6716109926f4...	2C:D3:FA:16:E0...	db3df6716109926f4...	192.168.1.89.97	19.3.1	1.6.84	Factory Re...	2024.01.23 00:16

Sub Group Device Profile Device Last Edited

Send Command
Edit
View
Move to
Ungroup

You can choose one or more groups or devices at the same time. The active functions (i.e. isn't grayed out) in the toolbar or the shortcut list are different in accordance with different choices and device states.

(1) Add Group

Before adding a group, ensure Device Type, Device Profile and Connection Profile data has been created and configured in DMS.

When a client device is registered to DMS server, it will upload device type it belongs to. You don't need to manually add the device type. If there isn't any device being registered in DMS, a message ***No Device exist*** appears when adding a group.

Device Profile and Connection Profile can be created and configured in Profile > Device Profile and Profile -> Connection Profile.

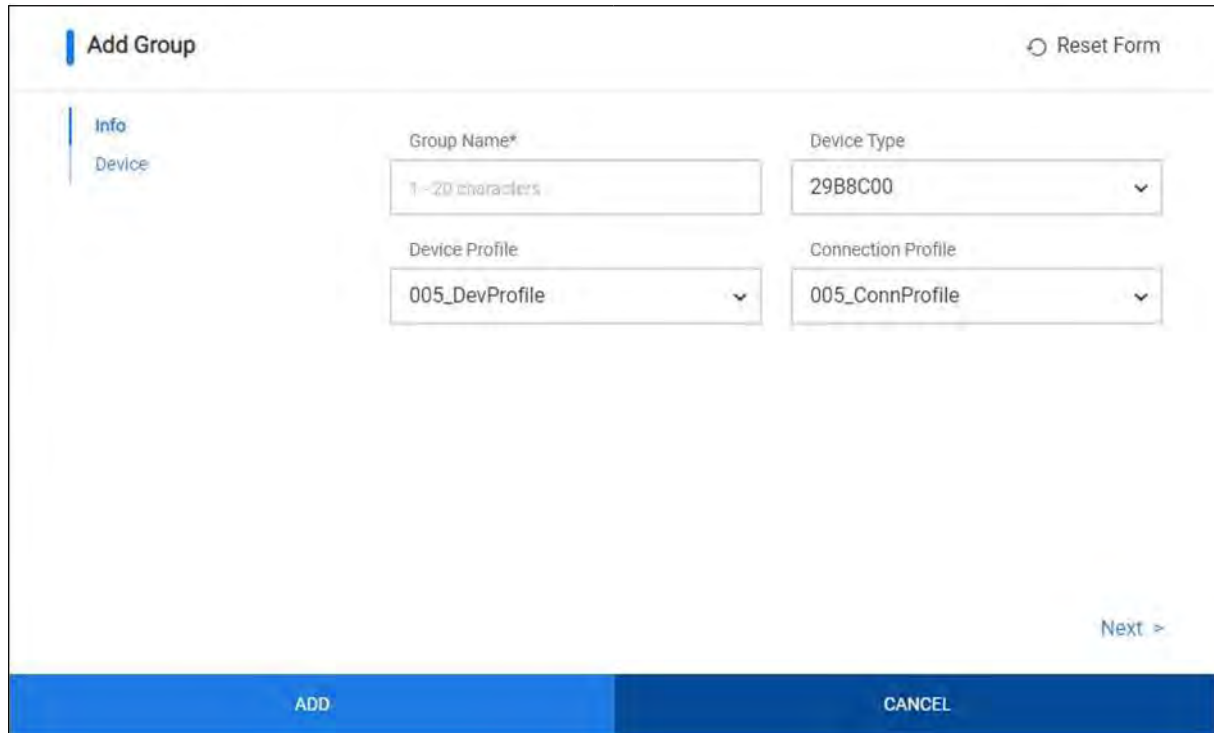



Figure 15 Add Group - Info


Click the **ADD** icon  in Grouped page to create a new group. Click **Info** tab on the left to enter the group name and choose device type, device profile, and connection profile. You can click **Info** or **Device** tab to switch the setting page at any time during the process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured. If a device type has been established and existed in DMS, it will be displayed in the field in sequence. The device profiles and connection profiles available for this device type will also be displayed.

- **Group:** You must configure the group name. The length of the name field is 1 to 20 characters. Space is not allowed in group name.
- **Device Type:** Select a device type from the drop-down list. This field must be filled in. The drop-down list is generated when a device is registered to the DMS server or the model name passed through Anyware Trust Center.



- **Device Profile:** Select a device profile from the drop-down list. This field must be configured. The device profile must be created first in **Profile -> Device Profile** page.
- **Connection Profile:** Select a connection profile from the drop-down list. This field must be filled in. The connection profile must be created first in **Profile -> Connection Profile** page. If the devices in the group want to apply their own settings, select "Set From Device". If DMS and the Trust Center are successfully configured and connected, the Trusted Zero Clients will be applied with default values. After selecting the Device Profile and Connection Profile you would like to apply, all devices under the group will be set to default values based on the profile configurations.

- Click **Next >** or the **Device** tab on the left to move to the next setting page.
- Click **ADD** to add the new group and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and back to the first Add Group page.
- Click **CANCEL** to restore your previous settings and leave the page.

Add Group Reset Form

Info
Device

Select from list below to assign

29B8C00

Device Name	MAC Address	IP
003209d8377f523...	8F:C5:5E:68:72:...	188.50.223.10
02819b0bc4d40f7...	1B:3E:B9:95:28:...	242.26.51.57
040d54ca17ef679...	D9:97:27:4B:46:...	233.53.67.28
04685fbc6acd1fd...	E5:00:65:E7:56:...	70.63.104.246
08a15ce97f999ac...	3B:8A:7A:C5:4D:...	134.38.74.55
08d3b055c18f635...	2D:6E:F4:88:4C:...	51.47.3.143
0e3ad36b3cd3563...	F9:FD:E7:13:F4:...	240.35.54.60

[< Previous](#)

ADD **CANCEL**

Figure 16 Add Group - Device

Click **Device** tab on the left to select devices belonging to the device type to this group. All ungrouped and grouped devices will be displayed in the list. You can select one or multiple devices from the list.

You can click **Info** or **Device** tab to switch the setting page at any time during the process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

In search field , you can search any data that meets your search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.

- Click **< Previous** or the **Info** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new group and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.

- Click the **Reset Form** icon **Figure 16** to reset the page content



back to the default state and back to the first Add Group page.

- Click **CANCEL** to restore your previous settings and leave the page.

(2) Add Sub Group

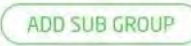
A subgroup refers to a subset in a group, and the subset itself also constitutes a group.

You can only create one level of subgroups under a parent group.

The screenshot shows the 'Add Sub Group' form with the 'Info' tab selected. The form contains the following fields and controls:

- Sub Group Name***: A text input field with a placeholder '1 - 20 characters'.
- Device Type**: A text input field showing '29B8C00'.
- Device Profile**: A dropdown menu showing '010_DevProfile'.
- Connection Profile**: A dropdown menu showing '005_ConnProfile'.
- Reset Form**: A link in the top right corner.
- Next >**: A link in the bottom right corner.
- ADD** and **CANCEL**: Buttons at the bottom of the form.

Figure 17 Add Sub Group - Info

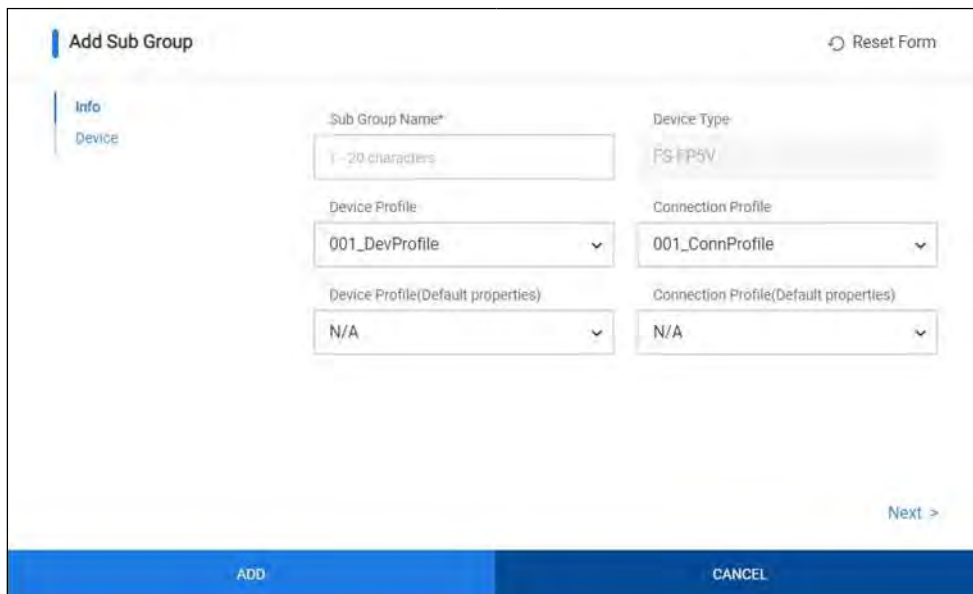
Click the **ADD SUB GROUP** icon  in Grouped page to create a new subgroup. Click **Info** tab on the left to enter the subgroup name and choose device profile and connection profile. You can click **Info** or **Device** tab to switch the setting page at any time during the process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured. The device type cannot be edited, and its type is inherited from the parent group. Subgroups can choose a Device Profile or Connection Profile different from the parent group, and the selection will not be affected by the changes of the parent group.

The default is the value of the parent group.

- Sub Group Name: You must configure the subgroup name. The length of the name field is 1 to 20 characters. Space is not allowed in subgroup name.
- Device Type: This cannot be edited. The type is inherited from the parent group.
- Device Profile: Select a device profile from the drop-down list. This field must be filled in. The device profile can be created in **Profile** -> **Device Profile** page.
- Connection Profile: Select a connection profile from the drop-down list. This field must be configured. The connection profile can be created in **Profile** -> **Connection Profile** page. If the devices in the group want to apply their own settings, select "Set From Device".

If DMS and the Trust Center are successfully configured and connected, the Trusted Zero Clients will be applied with default values. After selecting the Device Profile and Connection Profile you would like to apply, all devices under the subgroup will be set to default values based on the profile configurations.



- Click **Next >** or the **Device** tab on the left to move to the next setting page.
- Click **ADD** to add the new subgroup and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and back to the first Add Sub Group page.
- Click **CANCEL** to restore your previous settings and leave the page.

Add Sub Group Reset Form

Info **Device**

Select from list below to assign

29B8C00

Device Name	MAC Address	IP
003209d8377f523...	8F:C5:5E:68:72:...	188.50.223.10
02819b0bc4d40f7...	1B:3E:B9:95:28:...	242.26.51.57
040d54ca17ef679...	D9:97:27:4B:46:...	233.53.67.28
04685fbc6acd1fd...	E5:00:65:E7:56:...	70.63.104.246
08a15ce97f999ac...	3B:8A:7A:C5:4D:...	134.38.74.55
08d3b055c18f635...	2D:6E:F4:88:4C:...	51.47.3.143
0e3ad36b3cd3563...	F9:FD:E7:13:F4:...	240.35.54.60

[< Previous](#)

ADD **CANCEL**

Figure 18 Add Sub Group - Device

Click **Device** tab on the left to select devices belonging to the device type to this group. All ungrouped and grouped devices will be displayed in the list. You can select one or multiple devices from the list.

You can click **Info** or **Device** tab to switch the setting page at any time during the process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

In search field , you can search any data that meets your search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.

- Click **< Previous** or the **Info** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new subgroup and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content


back to the default state and back to the first Add Sub Group page.


- Click **CANCEL** to restore your previous settings and leave the page.

(3) Add Device

Group	MAC Address	Endpoint ID
008_DevGroup	18:A7:97:46:52	34.15.235.254
008_DevGroup	56:15:27:9D:7E	235.14.216.125
004_DevGroup	F2:90:FC:02:D3:32	12.13.57.67
004_DevGroup	F1:DD:11:6D:15:F7	150.12.172.159
004_DevGroup	B8:B5:C1:F5:88:5D	218.11.80.235
010_DevGroup	20:09:DA:4F:D4:31	53.39.2.121
010_DevGroup	3B:8A:7A:C5:4D:78	134.38.74.55

Figure 19 Add devices to parent or sub group

Click the **ADD DEVICE** icon  in Grouped page to place devices to a parent group or a subgroup. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

In search field , you can search any data that meets your search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.

- Please first select the parent group or subgroup you want to put the devices into, and then select the devices you want to put into it.
- Group: Select a parent group or its subgroup from the drop-down list.

This field must be filled in. The default is the parent group.

- The device list includes ungrouped or grouped devices. Devices can be single or multiple-selected to add into the group.
- Click **ADD** to add the devices in a parent group or a subgroup and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and back to the first Add Device page.
- Click **CANCEL** to restore your previous settings and leave the page.

(4) Edit Group

You can only edit a group which isn't performing any task. After changing **Device Profile** or **Connection Profile** in Edit Group window, it will display the new task in Task window.

Performing the task will apply the changed settings to all devices that are included in the group.

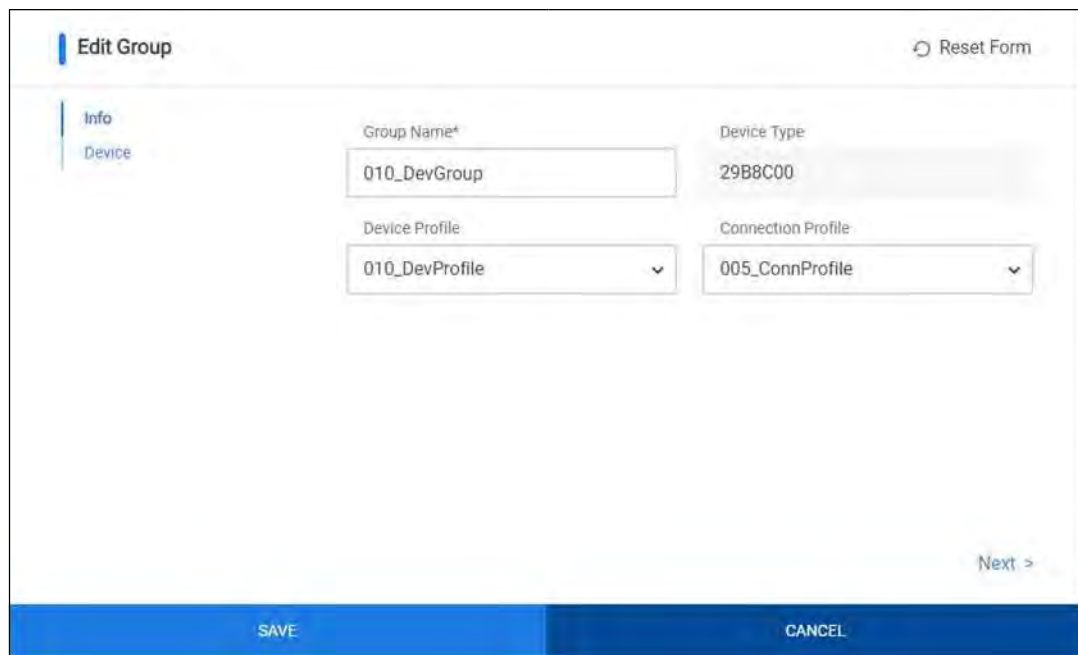



Figure 20 Edit Group - Info

Choose a group from the list and click the edit icon  in the toolbar to show edit group configuration window. You can also right-click a group from the list to show the edit option.



In the Info tab it includes settings of group name, device type, device profile and connection profile. The device type is read only and cannot be modified. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Group: You must configure the group name. The length of the name field is 1 to 20 characters. Space is not allowed in group name.
- Device Type: The field shows the selected device type and cannot be changed (i.e., is grayed out).
- Device Profile: Select a device profile from the drop-down list. This field must be filled in. The device profile can be created in **Profile -> Device Profile** page.
- Connection Profile: Select a connection profile from the drop-down list.

This field must be configured. The connection profile can be created in **Profile -> Connection Profile** page. If the devices in the group want to apply their own settings, select "Set From Device". If DMS and the Trust Center are successfully configured and connected, the Trusted Zero Clients will be applied with default values. After selecting the Device Profile and Connection Profile you would like to apply, all devices under the group will be set to default values based on the profile configurations.

- Click **Next >** or the **Device** tab on the left to move to the next setting page.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.



- Click the **Reset Form** icon **Figure 16** to reset the page content back to the unedited state.
- Click **CANCEL** to restore your previous settings and leave the page.

Device Name	MAC Address	IP
29B8-B0C4	00:30:04:1B:B0:C4	192.168.2.12

The length must be 63 characters or fewer. The first and last character must be a letter (A-Z or a-z) or a digit (0-9).
< Previous

SAVE CANCEL

Figure 21 Edit Group - Device

The device window displays device name, MAC and IP address in the group. Only the device name can be edited, and the naming rules such as the character length are displayed at the bottom of the window.

You can only edit a device which is in online state and edit a group which isn't performing any task. When a device isn't managed by DMS, or when a device is managed by DMS but in ungrouped state, device naming can only be configured at device side. The updated name will be reported and synchronized to DMS in the next registration or periodic state update. Once the device is added in a group, device naming will be configured by DMS (Trusted Zero Client is not subject to this restriction), and the updated name will be reported and synchronized to the device.

- Click **< Previous** or the **Info** tab on the left to move back to the previous setting page.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the unedited state.
- Click **CANCEL** to restore your previous settings and leave the page.

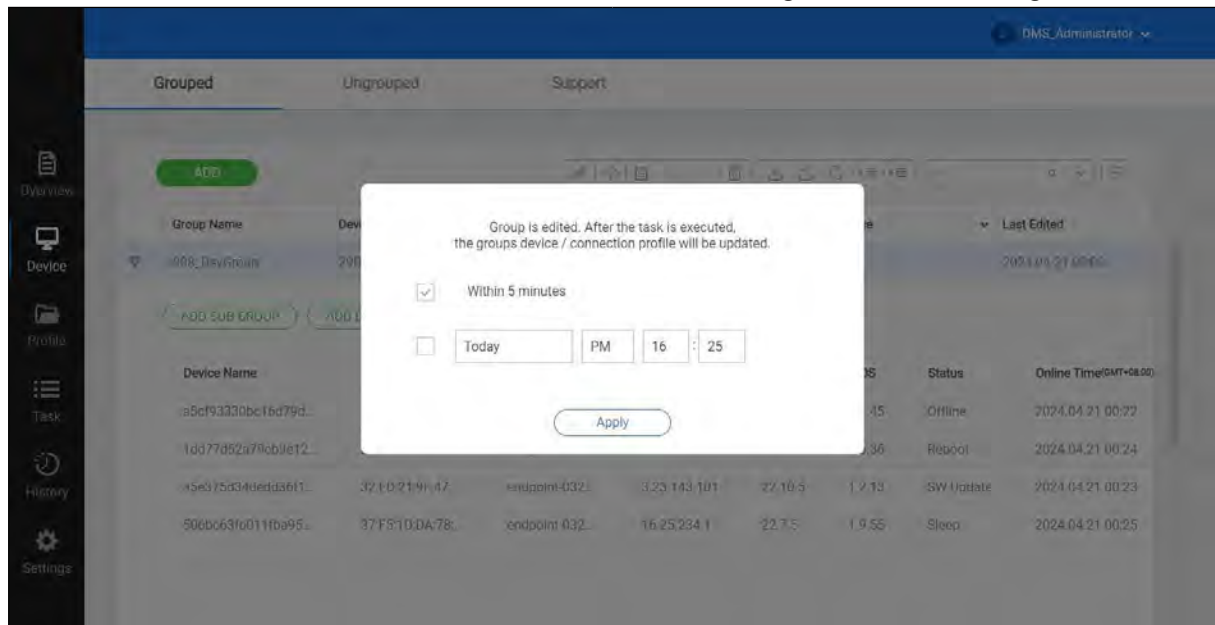


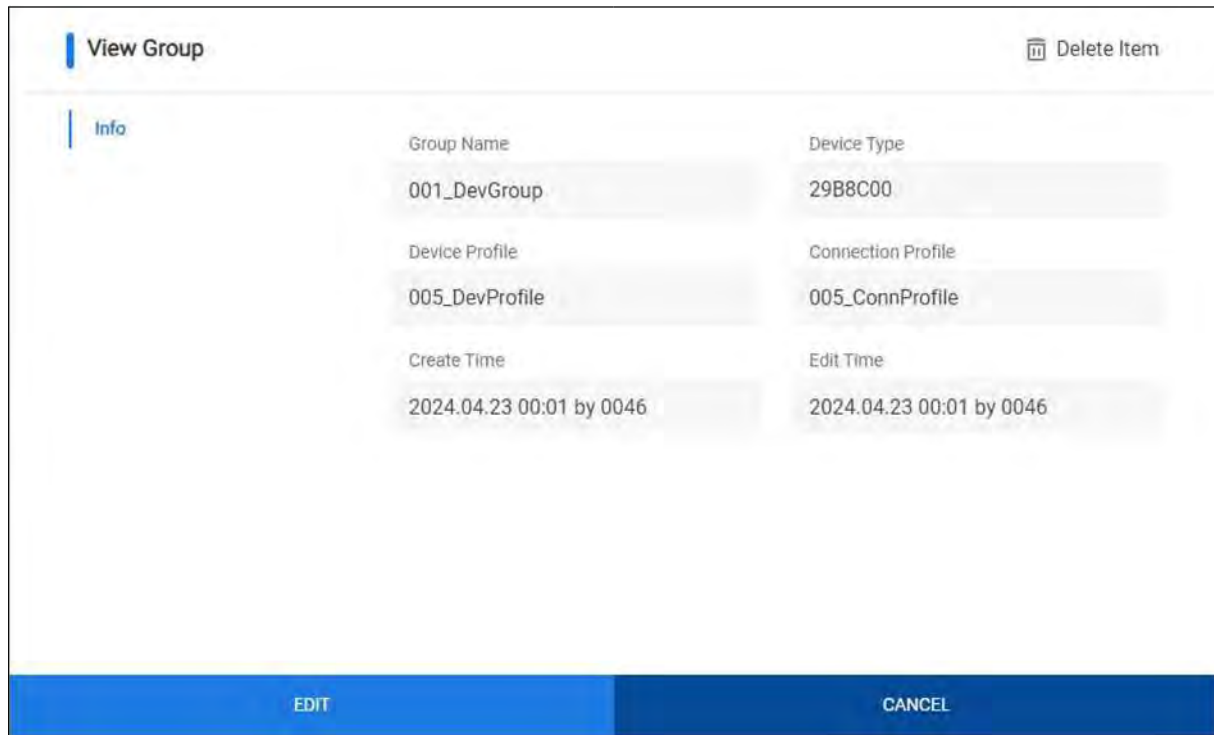
Figure 22 Task scheduling for an edited group

If a group is created with associated devices, after a group's **Device Profile** or **Connection Profile** being updated, DMS displays the new task in Task window. Performing the task will apply the changed settings to all devices that are included in the group.

You can execute the task within 5 minutes or in the future by specifying the date and time. The date can only be configured as Today or Tomorrow. Once you complete the setting, click the **Apply** button to save the changes and close the dialogue.

The new task will be displayed in the Task scheduling list with a name format of sTask_G9999 (9999 is a randomly generated sequence number). A task of changing device profile or connection profile cannot be edited or deleted.

(5) View Group




The screenshot shows a 'View Group' window with a 'Delete Item' button in the top right. The 'Info' tab is selected, displaying the following details:

Group Name	Device Type
001_DevGroup	29B8C00
Device Profile	Connection Profile
005_DevProfile	005_ConnProfile
Create Time	Edit Time
2024.04.23 00:01 by 0046	2024.04.23 00:01 by 0046

At the bottom of the window are two buttons: 'EDIT' and 'CANCEL'.

Figure 23 View Group - 1

Choose a group from the list and click the view icon  in the toolbar to view group configuration information. You can also right-click a group from the list to show the **View** option.

The view group window displays group relating information, including group name, device type, device profile, connection profile, created time, and edited time.

If DMS and the Trust Center are successfully configured and connected, you can also view the Device Profile and Connection Profile default values of the Trusted Zero Clients.

View Group

Delete Item

Info

Group Name	Device Type
003_DevGroup	Bilby
Device Profile	Connection Profile
002_DevProfile	002_ConnProfile
Device Profile(Default properties)	Connection Profile(Default properties)
N/A	N/A
Create Time	Edit Time
2024.04.23 00:03 by 0031	2024.04.23 00:03 by 0031

EDIT

CANCEL

Click **EDIT** to enter the edit group window or click **CLOSE** to leave the view window.

Click the **Delete Item** icon  **Delete Item** to delete the specific group item.

View Group

Delete Item

ⓘ This item is included in processing tasks.

Info

Group Name	Device Type
007_DevGroup	29B8C00
Device Profile	Connection Profile
005_DevProfile	005_ConnProfile
Create Time	Edit Time
2024.04.23 00:07 by 0017	2024.04.23 00:07 by 0017

EDIT

CANCEL

Figure 24 View Group - 2

If the viewed group is processing tasks, it will show **This item is included in processing tasks**.

You can only view the processing task details but cannot

edit or delete it.




Click the **CANCEL** to leave the view window.

(6) View Device

The screenshot shows a 'View Device' window with a sidebar on the left containing tabs: Info (selected), Static, Reported, Desired, and Default. The main area displays device information for 'amd64-64'. The information is organized into two columns. The left column contains: Device Name (amd64-64), Device Type (Bilby), IP Address (192.168.9.142), SW Version (24.03.0-rc13), and BIOS Version (N/A). The right column contains: MAC Address (00:30:04:1B:54:2B), SN, Base Board Serial Number, SW Build Date (2024/03/26), and BIOS Build Date (N/A). At the bottom of the window are two buttons: 'MOVE' and 'CANCEL'.

Field	Value
Device Name	amd64-64
Device Type	Bilby
IP Address	192.168.9.142
SW Version	24.03.0-rc13
BIOS Version	N/A
MAC Address	00:30:04:1B:54:2B
SN	
Base Board Serial Number	
SW Build Date	2024/03/26
BIOS Build Date	N/A

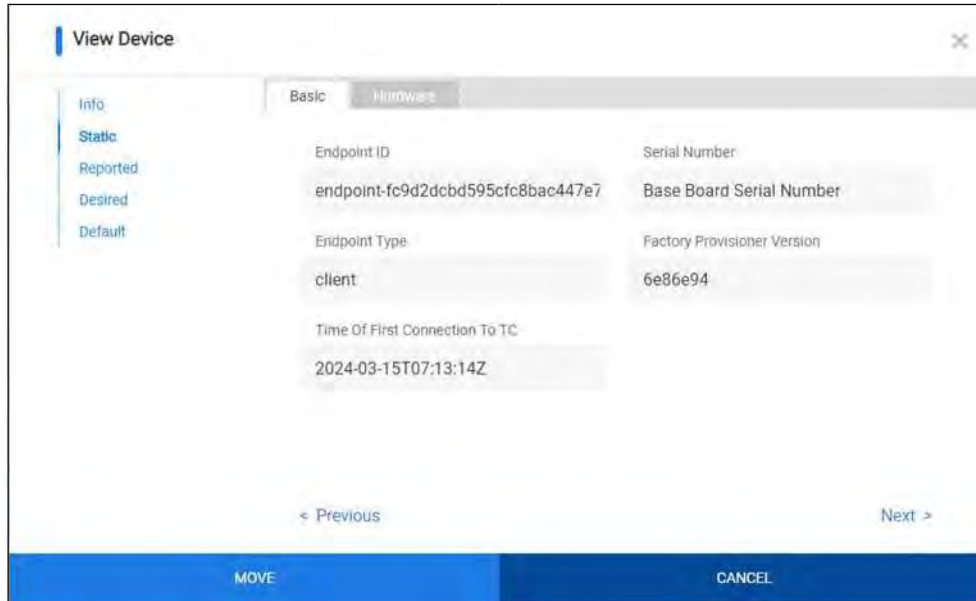
Figure 25 View Device Information (Grouped)

Choose a device from the list and click the view icon  in the toolbar or click the left mouse button twice to view device information. You can also right-click a device from the list to show the **View** option.

When DMS and the Trust Center are successfully configured and connected, you can view static, reported, desired, and default setting details of the Trusted Zero Clients.

Click **Info** or any tab on the left to switch the setting page at any time during the configuration process. The static, reported, desired, and default content is only displayed for specific device types.


- When you click the menu of Static, Reported, Desired or Default on the left, you can view the setting contents belonging to these different categories. Click the tab above to switch between different setting items and their details.



The screenshot shows a 'View Device' window with a sidebar on the left containing links: Info, Static, Reported, Desired, and Default. The main area has two tabs: 'Basic' and 'Hardware'. The 'Basic' tab is active and displays the following information:


Endpoint ID	Serial Number
endpoint-fc9d2dcdbd595cfc8bac447e7	Base Board Serial Number
Endpoint Type	Factory Provisioner Version
client	6e86e94
Time Of First Connection To TC	
2024-03-15T07:13:14Z	

At the bottom of the window, there are navigation buttons: '< Previous' and 'Next >'. Below the main content area, there are two large buttons: 'MOVE' and 'CANCEL'.

- Click **Move** to show group selection window and move the device to the specific group.
- Click **CLOSE** or icon  to leave the viewing page.


(7) Edit Device

Figure 26 Edit Device

Choose a device from the list and click the edit icon  in the toolbar to edit device information. You can also right-click a device from the list to show the **Edit** option.

The device window displays device name, MAC and IP address. Only the device name can be edited, and the naming rules such as the character length are displayed at the bottom of the window.

You can only edit a device which is in online state and edit a group which isn't performing any task. When a device isn't managed by DMS, or when a device is managed by DMS but in ungrouped state, device naming can only be configured at device side. The updated name will be reported and synchronized to DMS in the next registration or periodic state update. Once the device is added in a group, device naming will be configured by DMS, and the updated name will be reported and synchronized to the device.

- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content

back to the unedited state.

- Click **CANCEL** to restore your previous settings and leave the page.

Figure 27 Edit Trusted Zero Client Device - Info

When DMS and the Trust Center are successfully configured and connected, you can edit device name and other settings. You can click **Info** or other tabs to switch the setting page at any time during the process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

In **Info** tab, it shows device name, device type, MAC and IP address, serial number, firmware version and build date, BIOS version and build date, hardware version, WiFi MAC address, SSL support and device status. Only the device name can be edited.

- Click **Next >** or the **Display Setting** tab on the left to move to the next setting page.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Reset Form** to reset the page content back to the unedited state.
- Click **CANCEL** to restore your previous settings and leave the page.

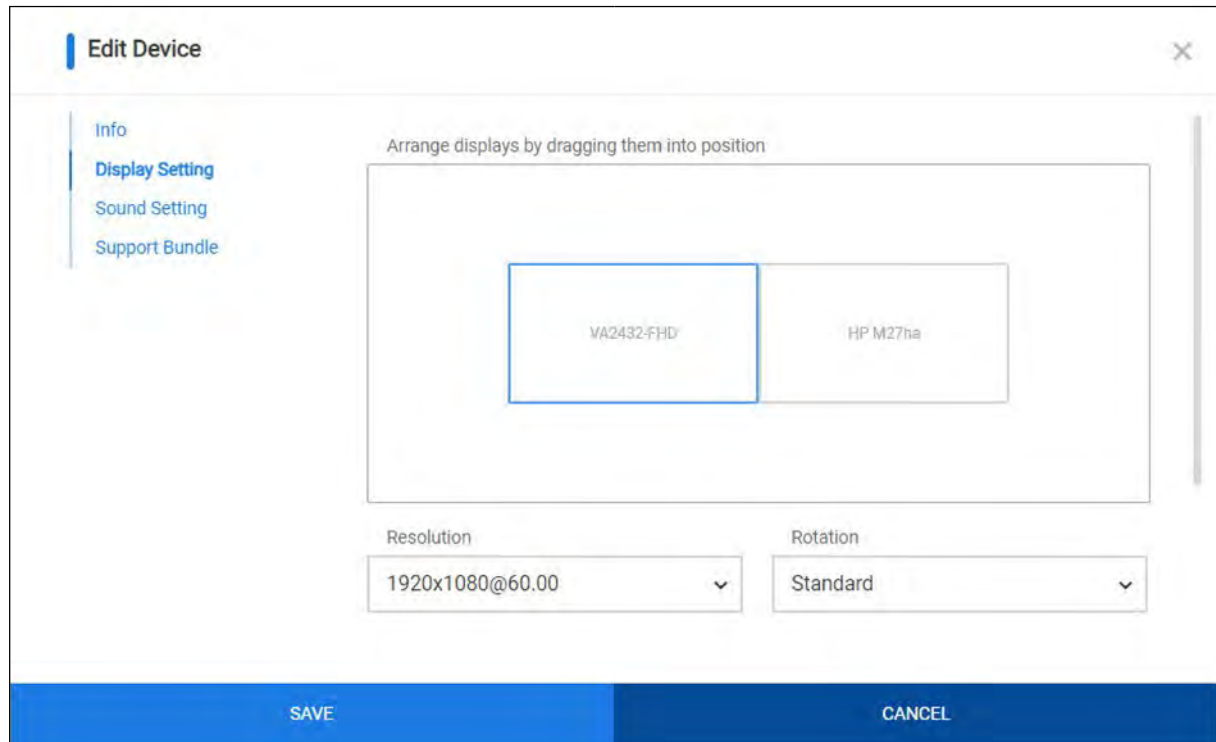


Figure 28 Edit Trusted Zero Client Device – Display Setting


You can click **Display Setting** or other tabs to switch the setting page at any time during the process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

In **Display Setting** tab, it shows the settings related to the monitor(s) currently connected to the Trusted Zero Client. You can configure the display position, resolution, rotation, and set the main display.

- **Position:** Displays the position of the monitor(s) currently connected to the Trusted Zero Client. After selecting the monitor to be adjusted (blue box), you can drag the mouse to adjust its position.
- **Resolution:** Configure the resolution of the selected monitor (blue box) from the drop-down menu. Once changed, the upper screen will resize with the settings.
- **Rotation:** Select Standard, 90°, 180° or 270° from the drop-down menu to set the direction for the selected monitor (blue box). Once changed, the upper screen will adjust its orientation according to the settings.
- **Main Screen:** Select a display model currently connected to Trusted



Zero Client from the drop-down menu to set the main display.

- Click **Next >** or the **Sound Setting** tab on the left to move to the next setting page.
- Click **< Previous** or the **Info** tab on the left to move back to the previous setting page.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the unedited state.
- Click **CANCEL** to restore your previous settings and leave the page.

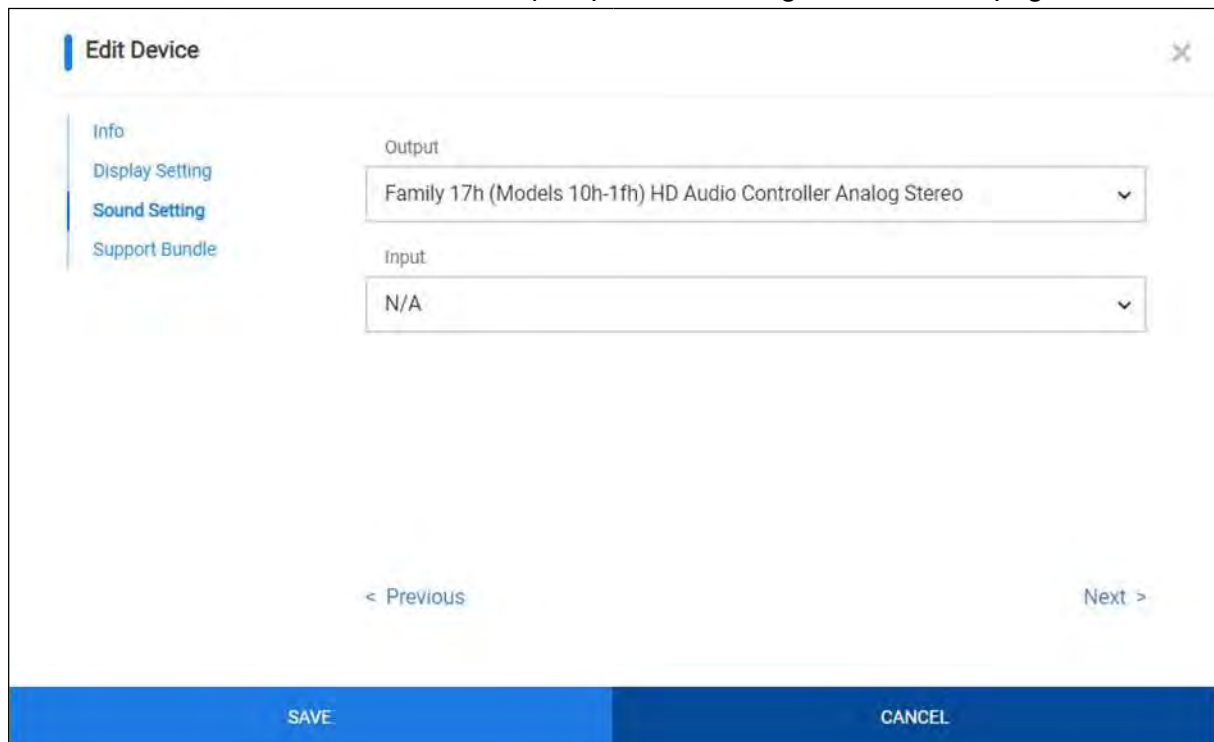



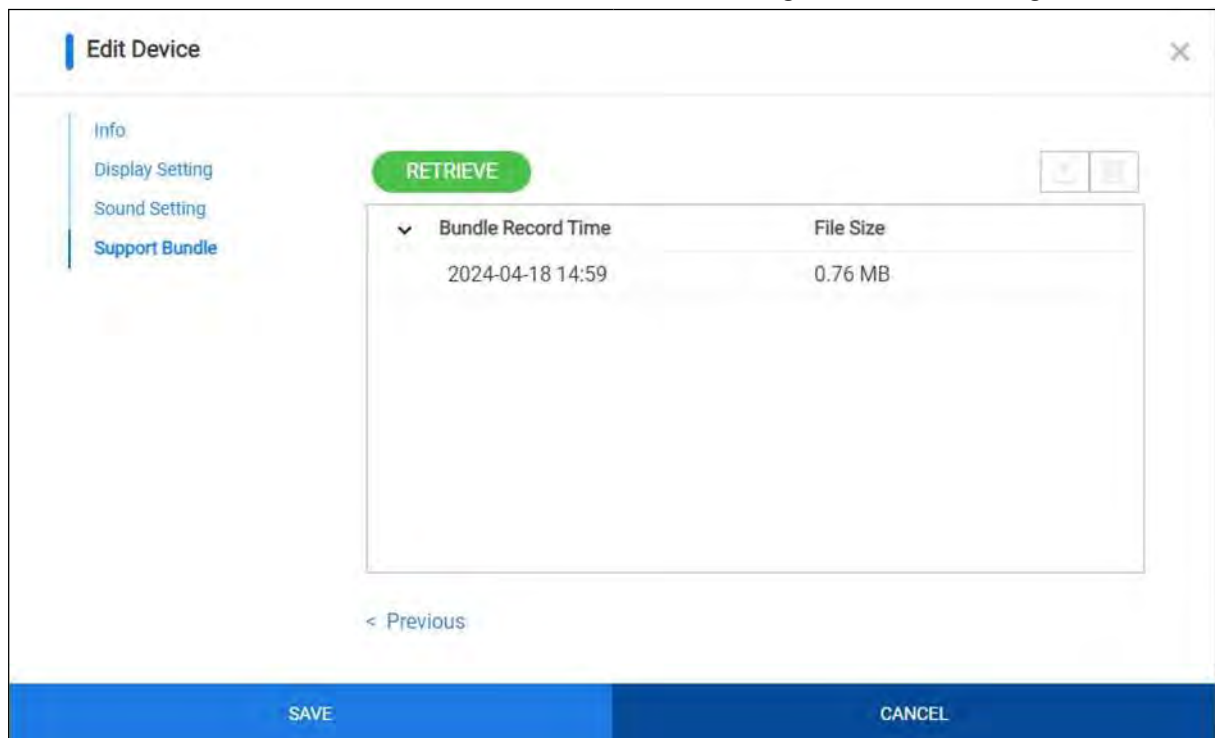
Figure 29 Edit Trusted Zero Client Device – Sound Setting

You can click **Sound Setting** or other tabs to switch the setting page at any time during the process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.



In **Sound Setting** tab, it shows the settings related to the audio device(s) currently connected to the Trusted Zero Client. You can configure the audio output and input settings.

- Output: Select an audio output device currently connected to Trusted Zero Client from the drop-down menu.
- Input: Select an audio input device currently connected to Trusted Zero Client from the drop-down menu.
- Click **Next >** or the **Support Bundle** tab on the left to move to the next setting page.
- Click **< Previous** or the **Display Setting** tab on the left to move back to the previous setting page.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the unedited state.
- Click **CANCEL** to restore your previous settings and leave the page.



Bundle Record Time	File Size
2024-04-18 14:59	0.76 MB

Figure 30 Edit Trusted Zero Client Device – Support Bundle





You can click **Support Bundle** or other tabs to switch the setting page at any time during the process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.


The Support Bundle is a record of diagnostic and troubleshooting messages generated by the device. Administrators can use the information to diagnose and fix problems. The records can be generated automatically or manually after the administrator send a command.

When you click Support Bundle on the left, it lists all the log files on the device, which can be sorted by descending or ascending order according to the recording time or file size.

Click the RETREVE icon  to send a command to the device to generate a log file.

After success, a new data will be added to the list. After clicking the data in the list, the

selected item will be displayed in reverse color. You can click  (Export) or  (Delete) to export the file to another location or delete the log file. Only one item can be selected at a time.

- Click < **Previous** or the **Sound Setting** tab on the left to move back to the previous setting page.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the unedited state.
- Click **CANCEL** to restore your previous settings and leave the page.

(8) Delete Group

You can only delete a group if there are no processing tasks or commands for the group or the devices in the group. When there is a processing task or command, the delete group command is not active and you can only view the group information.

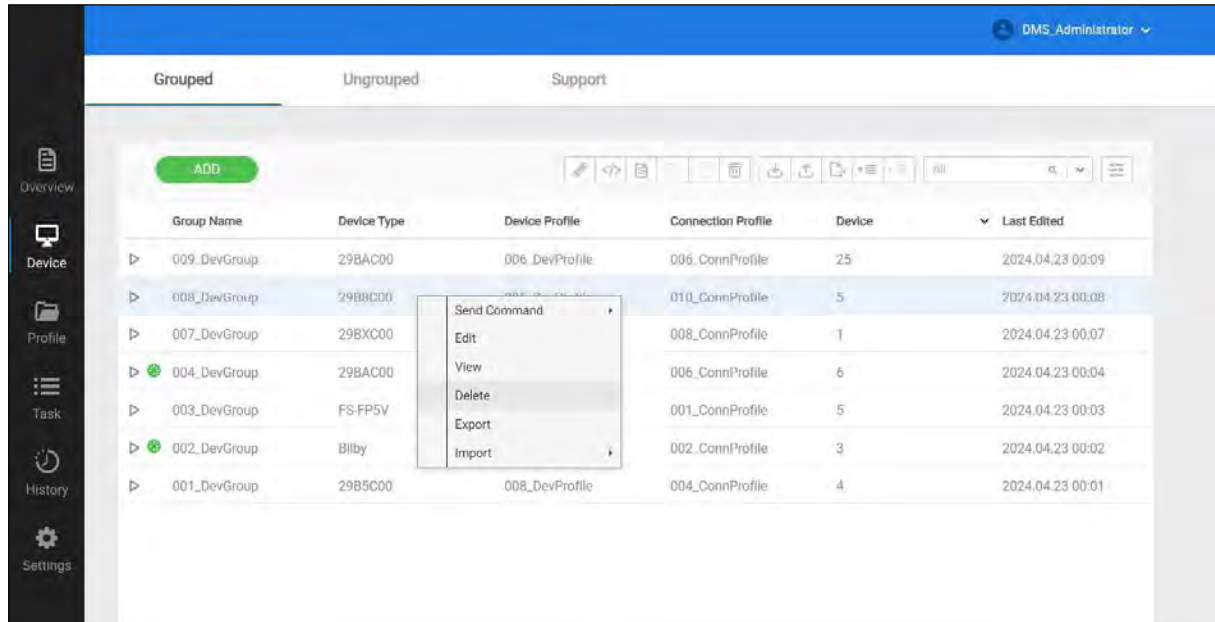
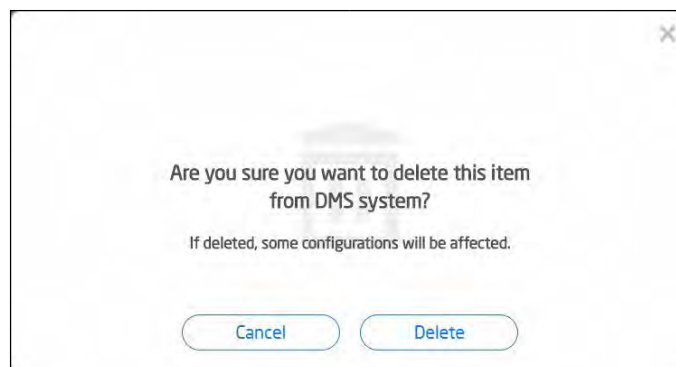


Figure 31 Delete Group

Choose a group from the list and click the delete icon in the toolbar to delete the specific group. You can also right-click a group from the list to show the **Delete** option.

A confirmation dialogue appears. Click **Cancel** or icon to leave the window without changes or click **Delete** to confirm the deletion.



(9) Send Command

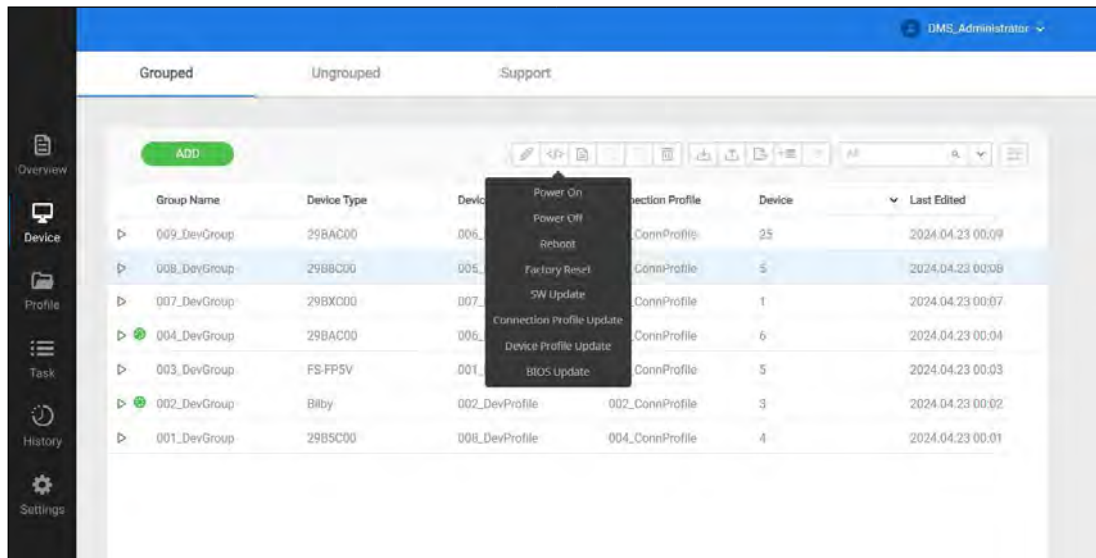


Figure 32 Send command through toolbar

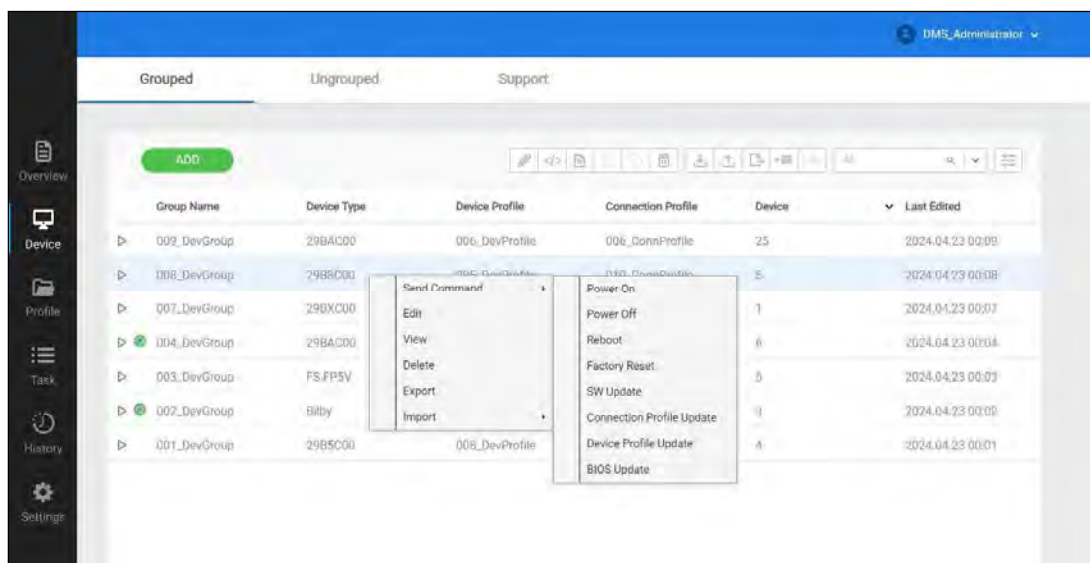



Figure 33 Send command through shortcut list

Choose a group from the list and click the send command icon  in the toolbar to send commands to all devices in the group.

You can also right-click a group from the list to show the **Send Command** option.



You can choose one or many groups to send a command. When devices are processing a task, the send command is not active.

The commands SW Update or BIOS Update are displayed depending on whether the selected device type supports this feature.

Category	Device Status	Active Commands	Description
Grouped Device	Online	Power off Reboot SW Update BIOS Update Factory Reset Connection Profile Update Device Profile Update Rename	A user is using the devices or the device is in standby state.
	Sleep	N/A	The network would be disconnected when a device is in sleep state. You can only wake up the device from the endpoint side.
	Reboot	N/A	The device is rebooting.
	SW Update	N/A	The device is updating OS or firmware.
	BIOS Update	N/A	The device is updating BIOS.
	Factory Reset	N/A	The device is resetting hardware.
	Connected	N/A	The device is in Citrix, RDP or VMware session.
	Offline	Power on	The device is off, can't connect to network, or break down.
Ungrouped Device	Online	Power off Reboot	A user is using the device or the device is in standby state.
	Sleep	N/A	The network would be disconnected when a device is in sleep state. You can only wake up the device from the endpoint side.
	Offline	Power on	The device is off, can't connect to network, or break down.



Table 2 Device status and active commands

The supported commands include power on/off, reboot, device update, factory reset, connection profile update, and device profile update. When devices are in some status, a command may not be active. Please refer to table above for more device type and active command details.

The **SW Update** or **BIOS Update** command sent to devices will trigger the device update action and reboot the devices after completing update.

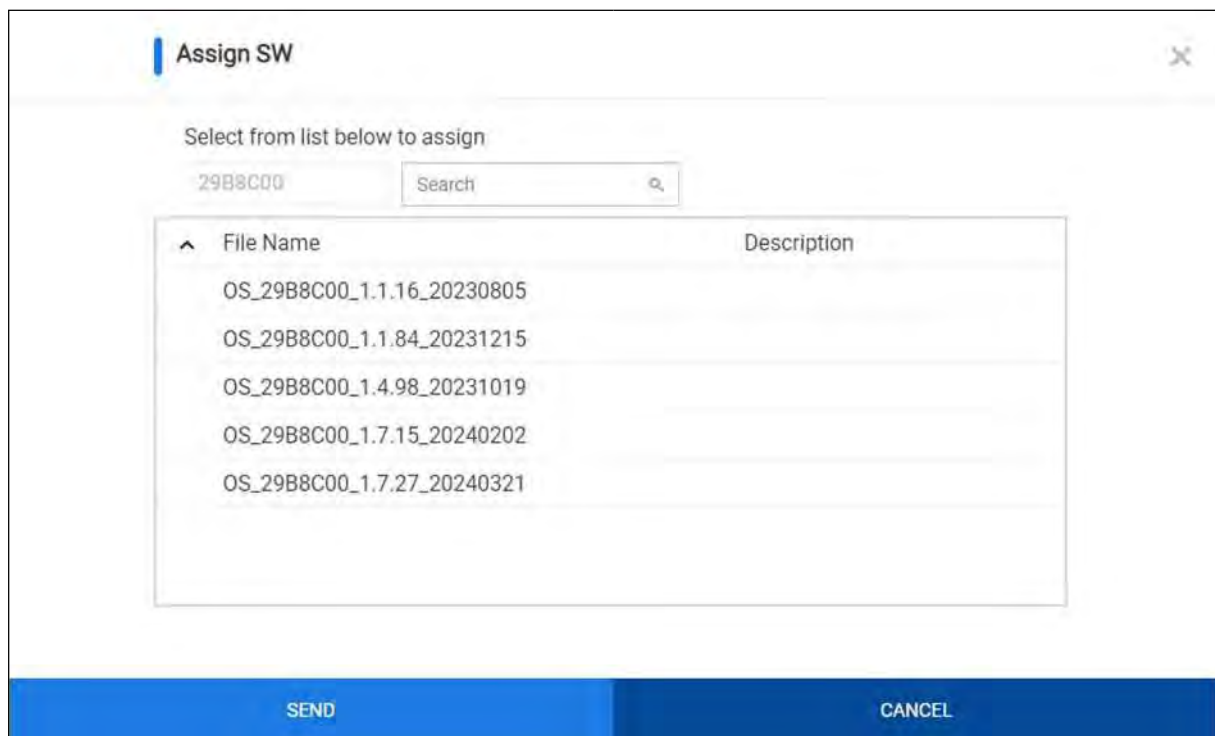


Figure 34 Send command – Select SW

When **SW Update** command is selected, it shows OS / firmware selection screen. The file list shows all available files and information associated with this device type, including file name and description.

In search field , you can search any data that meets your search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.



The list is displayed in ascending order by default. Click the column header of to sort the data in order of letter or

Sort data in ascending order

Sort data in descending order

File Name
OS_29B8C00_1.3.23_20200811
OS_29B8C00_1.3.34_20200827
OS_29B8C00_1.4.29_20200621
OS_29B8C00_1.4.63_20200705
File Name
OS_29B8C00_1.6.55_20200901
OS_29B8C00_1.5.79_20200522
OS_29B8C00_1.4.63_20200705
OS_29B8C00_1.4.29_20200621


of file name

File Name

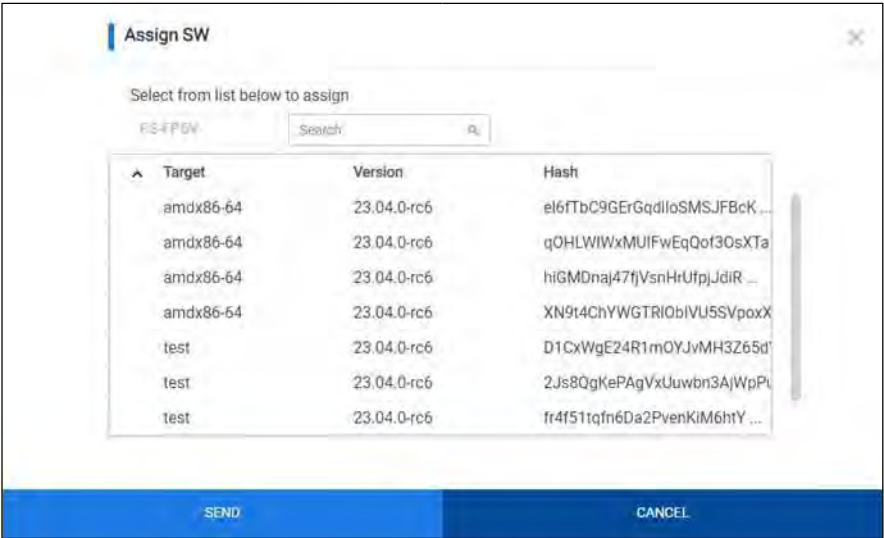
number.

firmware

You can only select one file for OS / update and cannot choose multiple files. After choosing the file you would like to send update command, click **SEND** to execute update command and leave the file selection window.

Click **CANCEL** or icon  to leave the file selection window without changes.

When DMS and the Trust Center are successfully configured and connected, the following screen displays Trusted Zero Client (such as "FS-FP5V" and "Bilby") information. The SW information is displayed in the list, including name, version and hash value of the registered device. By default, the list is sorted according to the descending version number, and the data with higher numbers (9->0), letters (Z->A) or characters with more strokes will be displayed first.



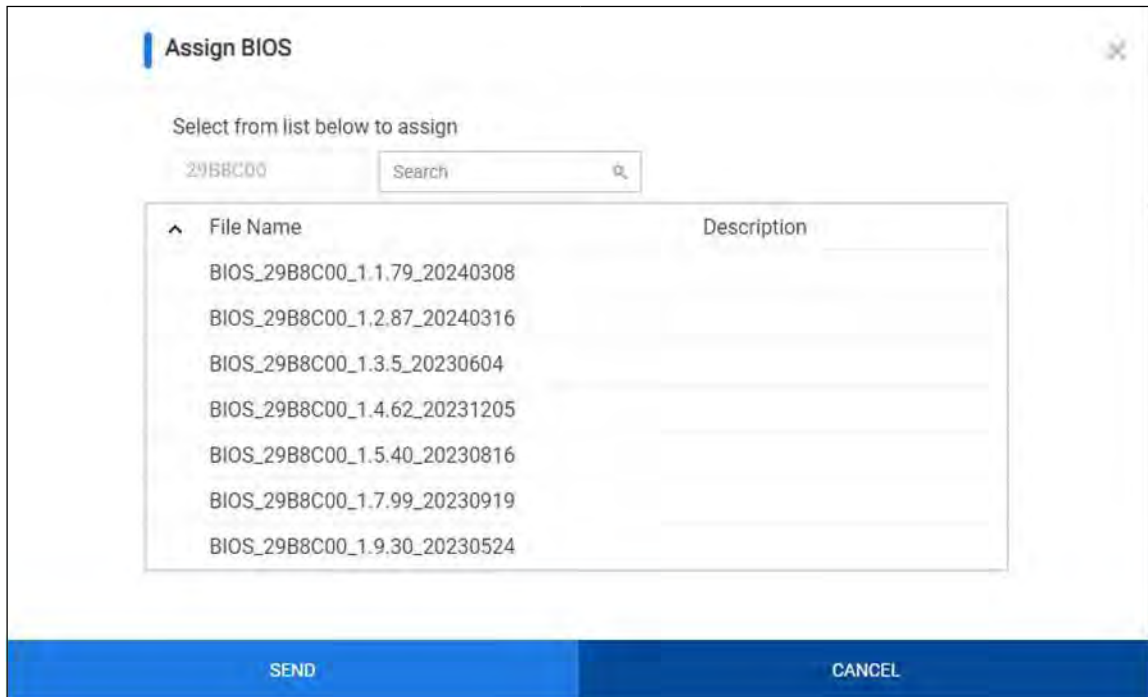


Figure 35 Send command – Select BIOS

When **BIOS Update** command is selected, it shows BIOS selection screen. The file list shows all available files and information associated with this device type, including file name and description.

In search field , you can search any data that meets your search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.


The list is displayed in ascending order of file name by default. Click the column header of **File Name** to sort the data in order of letter or number.

Sort data in ascending order



Sort data in descending order

You can only select one file for BIOS
cannot choose multiple files. After
the file you would like to send update
click **SEND** to execute update
and leave the file selection window.

Click **CANCEL** or icon  to leave the file
window without changes.

File Name	
BIOS_29B8C00_1.2.61_20200710	update and choosing command, command selection
BIOS_29B8C00_1.4.76_20200202	
BIOS_29B8C00_1.4.80_20200117	
BIOS_29B8C00_1.8.83_20200527	
File Name	
BIOS_29B8C00_1.9.44_20200717	
BIOS_29B8C00_1.8.83_20200527	
BIOS_29B8C00_1.4.80_20200117	
BIOS_29B8C00_1.4.76_20200202	

(10) Devices in Group

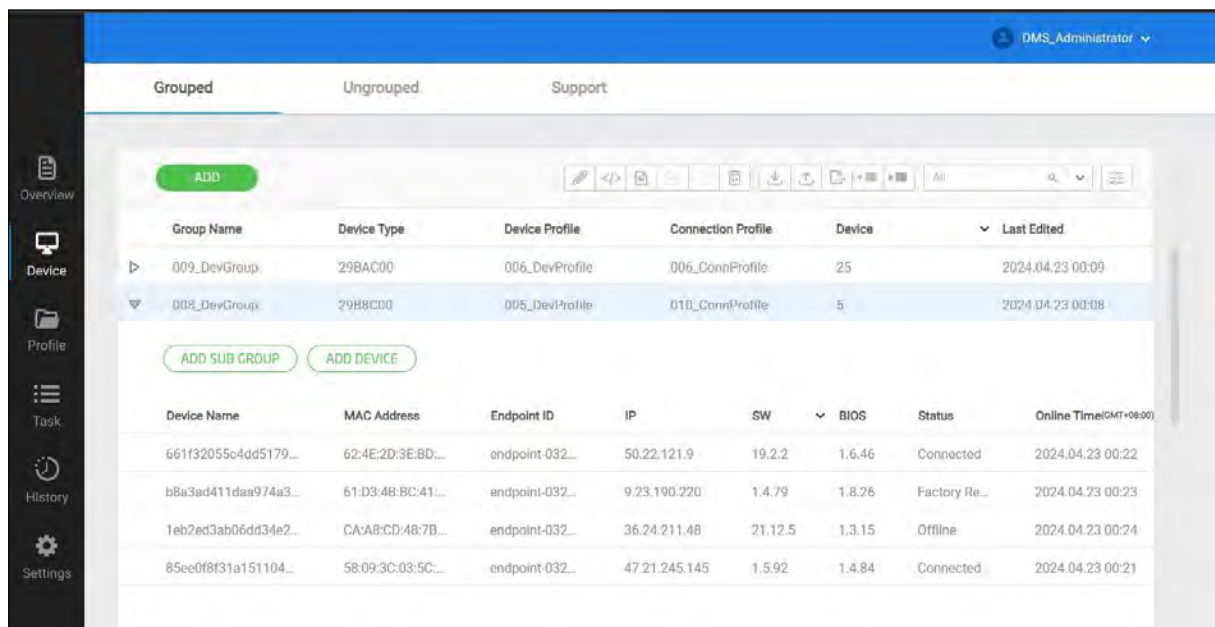






Figure 36 Grouped Devices


Choose a group from the list. Double-click left mouse button or click the icon  on the left to  and the group. Double-click left mouse button again or click the icon  on the left to collapse the group.


Group content shows the details of devices in the group, including a device's name, MAC address, Endpoint ID, IP address, SW version, BIOS version, serial number, device state, and the last online time.




Click the add icon  **ADD SUB GROUP** in an expanded group to add a new sub-



group in the group. Only the same type of devices can be added in a group. If there isn't a add icon in an expanded group for you to add new sub-groups, it indicates this group is processing a task and cannot be added new sub-groups for the moment.

Click the add icon  in an expanded group to add a new device in the group or sub-group. Only the same type of devices can be added in a group. If there isn't a add icon in an expanded group for you to add new devices, it indicates this group is processing a task and cannot be added new devices for the moment.

Choose a device in a group and click a toolbar icon  at the top of the window to view information, move the device to another group, or ungroup the device from the group.

- Click the view icon  in the toolbar or click the left mouse button twice to view device information.
- Click the move device icon  in the toolbar to move a selected device to another group.
- Click the ungroup icon  in the toolbar to remove a selected device from the current group. The removed device will be displayed in


Ungrouped page.

Right-click a device from the list and it will show a shortcut list of viewing information, setting default value, moving to another group, and ungrouping, which is the same as the icons in the toolbar.

Device Name	MAC Address	Endpoint ID	IP	SW	BIOS	Status	Online Time(GMT+0800)
8e905ea8277c0a999...	09:C9:A5:71:BC...	endpoint-032...	187.39.168.2...	1.8.20	1.6.48	Reboot	2024.01.24 00:39
24211bccad79b4552...	6C:B8:4F:CB:12...	endpoint-032...	227.50.185.60	20.11.2	1.7.45	BIOS Update	2024.01.24 00:50
3e253635013cf7458...	9F:71:6E:7B:17...	1.8.47	1.4.45	Online	2024.01.24 00:31
768073a07f78a00b9...	29:32:79:F4:E6...	...	49.1...	1.9.47	1.2.45	Sleep	2024.01.24 00:48
92fa13d13f21e948a4...	C0:4C:ED:A3:CA...	...	5	1.4.67	1.4.43	Factory Re...	2024.01.24 01:03
a4526d756e514b403...	66:7C:B8:40:80...	...	94	1.3.77	1.5.42	Offline	2024.01.24 00:46
...

You can choose one or more groups or devices at the same time. The active functions (i.e. isn't grayed out) in the toolbar or the shortcut list are different in accordance with different choices and device states.

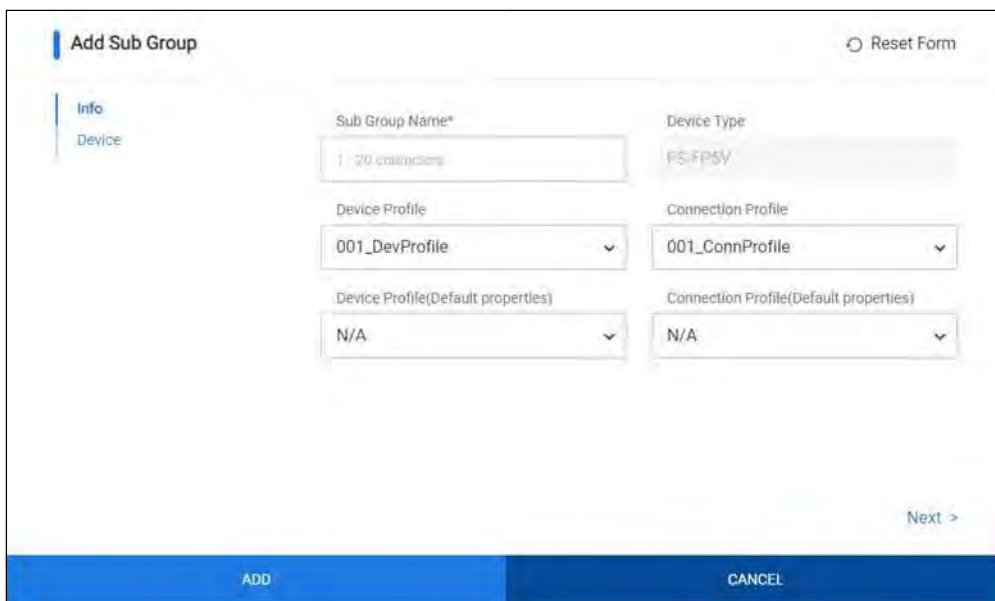
Figure 37 Add Sub Group in a Group-Info


Click the **ADD SUB GROUP** icon  in Grouped page to create a new subgroup. Click **Info** tab on the left to enter the subgroup name and choose device profile and connection profile. You can click **Info** or **Device** tab to switch the setting page at any time during the process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured. The device type cannot be edited, and its type is inherited from the parent group. Subgroups can choose a Device Profile or Connection Profile different from the parent group, and the selection will not be affected by the changes of the parent group. The default is the value of the parent group.

- Sub Group Name: You must configure the subgroup name. The length of the name field is 1 to 20 characters. Space is not allowed in subgroup name.
- Device Type: This cannot be edited. The type is inherited from the parent group.
- Device Profile: Select a device profile from the drop-down list. This field must be filled in. The device profile must be created first in **Profile -> Device Profile** page.

- Connection Profile: Select a connection profile from the drop-down list. This field must be configured. The connection profile must be created first in **Profile** -> **Connection Profile** page. If the devices in the group want to apply their own settings, select "Set From Device". If DMS and the Trust Center are successfully configured and connected, the Trusted Zero Clients will be applied with default values. After selecting the Device Profile and Connection Profile you would like to apply, all devices under the subgroup will be set to default values based on the profile configurations.



- Click **Next >** or the **Device** tab on the left to move to the next setting page.
- Click **ADD** to add the new subgroup and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Reset Form** to reset the page content back to the default state and back to the first Add Sub Group page.
- Click **CANCEL** to restore your previous settings and leave the page.

Add Sub Group Reset Form

Info
Device

Select from list below to assign

29B8C00

Device Name	MAC Address	IP
1eb2ed3ab06dd34...	CA:A8:CD:48:7B:...	36.24.211.48
661f32055c4dd51...	62:4E:2D:3E:BD:...	50.22.121.9
85ee0f8f31a1511...	58:09:3C:03:5C:...	47.21.245.145
b8a3ad411daa974...	61:D3:4B:BC:41:...	9.23.190.220
faf5425cf792a90...	8A:EB:9A:57:C5:...	174.20.47.164

[< Previous](#)

ADD **CANCEL**

Figure 38 Add Sub Group in a Group - Device

Click **Device** tab on the left to select devices belonging to the device type to this group. All ungrouped and grouped devices will be displayed in the list. You can select one or multiple devices from the list.

You can click **Info** or **Device** tab to switch the setting page at any time during the process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

In search field , you can search any data that meets your search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.

- Click **< Previous** or the **Info** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new subgroup and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Reset Form** to reset the page content



back to the default state and back to the first Add Sub Group page.

- Click **CANCEL** to restore your previous settings and leave the page.

Add Device

Select from list below to add

29B8C00 Search


Group

006_DevGroup


	C Address	Endpoint ID
002_DevGroup	2A:5D:46:FC:31	1.10.173.191
009_DevGroup	C3:6F:3D:10:F0	140.9.65.31
002_DevGroup	D1:AE:B8:AE:03:F3	124.8.42.118
002_DevGroup	A4:BA:E3:BE:79:83	155.7.191.6
005_DevGroup	EC:34:3E:E5:D1:B5	235.23.223.215
005_DevGroup	AB:10:79:DD:39:37	96.22.216.63
005_DevGroup	EF:B4:8C:99:B4:AC	163.21.72.242

ADD CANCEL

Figure 39 Add Device in a Group

Click the add icon  in an expanded group to add new devices in the group or sub-group. Only the same type of devices can be added in a group. First select the parent group or subgroup, and then select the devices to be placed in the group.

Group is a drop-down menu. It lists the parent groups and all subgroups below the parent group. The default is the parent group and the information is required. All ungrouped and grouped devices will be displayed in the list. You can select one or multiple devices from the list.

In search field , you can search any data that meets your search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.



Choose one or many devices from the list and click **ADD** to add the devices and leave the page.

Click **CANCEL** or icon  to restore your previous settings and leave the page.

(11) Export Group

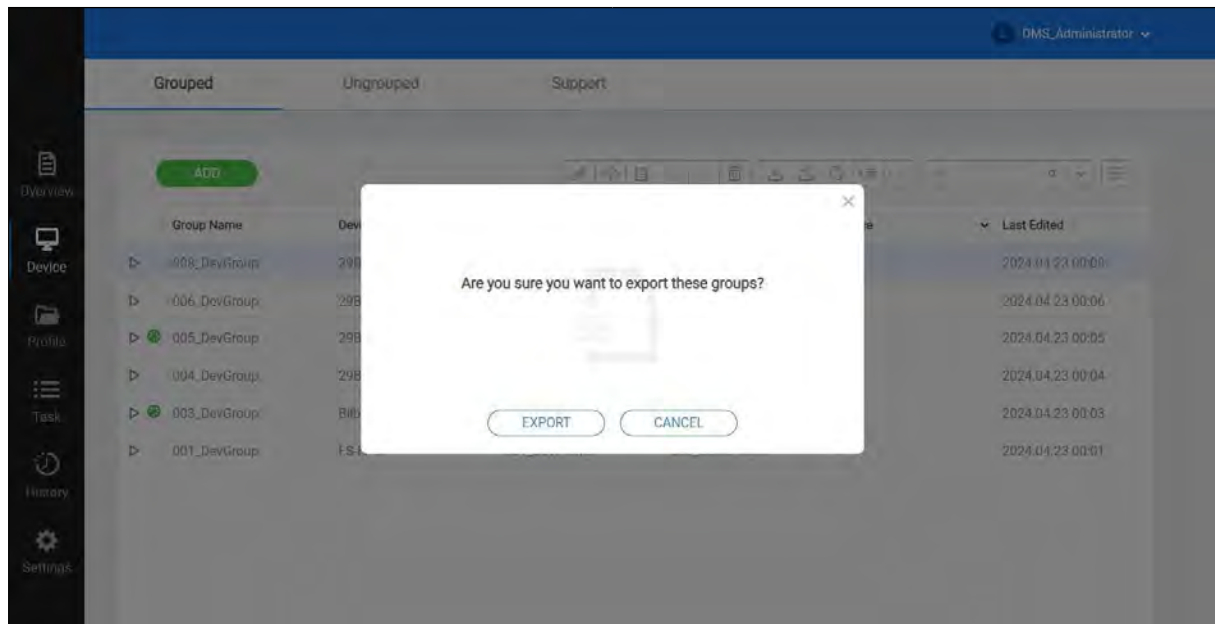



Figure 40 Export Group Confirmation Window

Choose one or multiple groups from the device group list to export the data. Click the export icon  in the toolbar or click **Export** from the shortcut list to export group data. If you didn't click and choose any group from the list, it exports all group data; if you click and choose a specific group from the list, it exports the selected group data.

Click **EXPORT** to export group data. Depending on your browser setting, a window may appear for you to choose the export file location, or the file is exported directly to an assigned download location. If there is any error happening during exporting process, it shows error message.




Click **CANCEL** or icon  to leave the export window without changes.



Figure 41 Export Group Data

The exported data includes group information, and the device, device profile, and connection profile information in the group.

The exported format is a compressed file (.zip) with a file name

DMS_Group_yyyymmdd_hhmmss.zip (“DMS_Group”: fixed characters, “yyymmdd”:

exported year/month/day, “hhmmss”: exported time – hour/minute/second). The compressed file includes text and image files.

The item or data is displayed with quotation marks (“”). Two values are separated with a comma (“,”). If not specified otherwise, please do not change exported contents, so as to avoid any importing error.

(12) Import Group

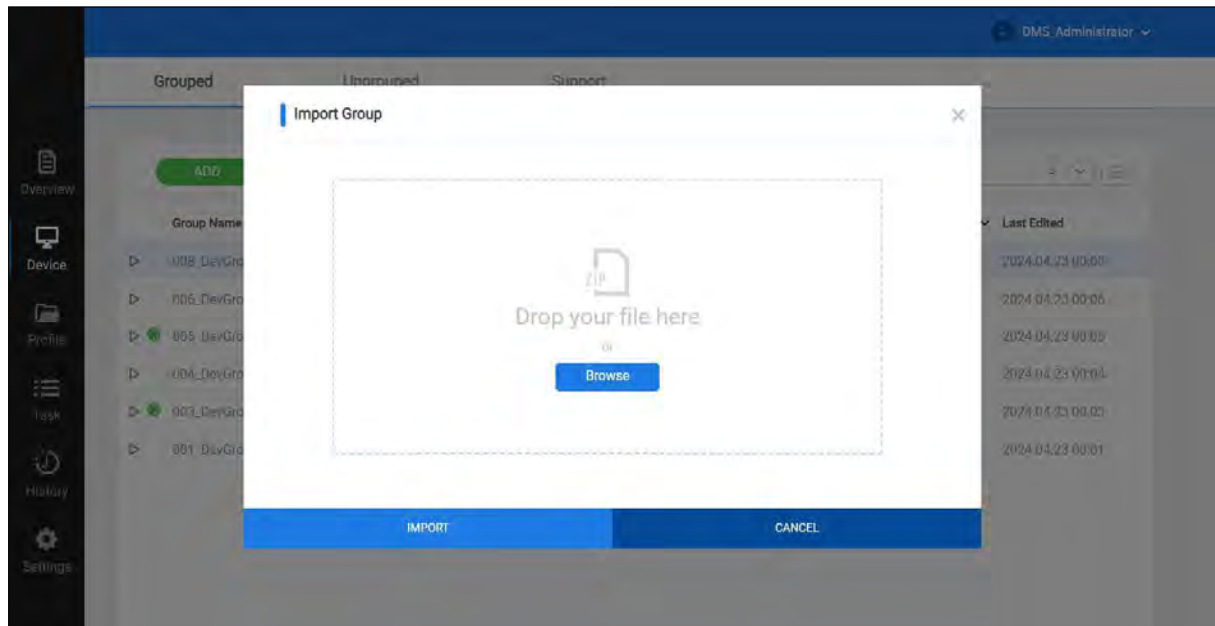




Figure 42 Import Group

In Group main window, click the import icon  in the toolbar to import group data. You can drag the file here or click **Browse** and choose the file (*.zip) you want to import. You can only import one file at a time.

Click **IMPORT** to import group data and then leave the window. If there is any error happening during importing process, it shows error message. You can download and view the error report.


Click **CANCEL** or icon  to leave the import window without changes.



(13) Export Device Inventory Report

	A	B	C	D	E	F	G	H	I	J	K	L
	Device Name	MAC Address	Serial Number	Device Type	Hardware Version	IP Address	Wi-Fi MAC Address	SW Version	Boot Version	Group	Device Profile	Connection Profile
1	291981ba27b507a5	20:14:D3:84:9E:A2	L80000000000000000000000000000000	2988C00	9.3.20	234.69.253.59	18:9A:BD:58:9C:02	1.2.32	1.2.95	008_DevGr005_DevProfile	005_ConnProfile	
2	24210bca079b6555	2A:55:EF:48:98:DE	L80000000000000000000000000000000	2988C00	1.9.26	16.66.124.80	33:C3:99:14:08:64	1.6.69	1.5.83	008_DevGr005_DevProfile	005_ConnProfile	
3	5899565a215a0a44	45:16:EE:62:D6:E3	L80000000000000000000000000000000	2988C00	1.8.99	55.67.224.85	21:7F:68:56:88:F8	1.6.14	1.4.51	008_DevGr005_DevProfile	005_ConnProfile	
4	789073a0778a00b4	C3:85:4C:08:7A:01	L80000000000000000000000000000000	2988C00	7.6.23	189.66.52.251	1F:E3:F7:70:4F:B5	22.9.5	1.7.14	008_DevGr005_DevProfile	005_ConnProfile	
5	389880352712853	49:29:3A:55:70:D6	L80000000000000000000000000000000	2988C00	5.5.63	246.5.204.208	49:AD:0C:1B:95:E8	19.10.2	1.5.11	008_DevGr005_DevProfile	005_ConnProfile	
6	u45264756c514b40	CD:01:CB:74:6C:71	L80000000000000000000000000000000	2988C00	2.7.13	92.64.20.133	5C:22:0D:09:25:98	1.4.26	1.8.33	008_DevGr005_DevProfile	005_ConnProfile	
7	8219d10a061a754	CB:1C:ED:A3:4A:D8	L80000000000000000000000000000000	2988C00	6.3.89	6.63.225.5	95:70:DD:91:80:F1	1.4.67	1.4.43	008_DevGr005_DevProfile	005_ConnProfile	
8	8a065268077b220	78:D7:CB:D1:47:43	L80000000000000000000000000000000	2988C00	4.4.46	183.62.65.15	82:88:35:C7:54:1A	19.7.2	1.8.7	008_DevGr005_DevProfile	005_ConnProfile	
9	7c4c78ced9801c8	B2:D9:64:EA:16:45	L80000000000000000000000000000000	2988C00	1.8.9	114.61.208.88	47:76:2F:45:FD:E8	20.4.1	1.5.84	008_DevGr005_DevProfile	005_ConnProfile	
10	739bcb94701da0e8	3A:1C:DB:34:ED:1B	L80000000000000000000000000000000	2988C00	7.1.77	32.60.181.68	EE:93:C7:D1:D6:91	1.1.58	1.8.90	008_DevGr005_DevProfile	005_ConnProfile	
11	u394c6cb77c7ba840	35:4E:F2:C2:2A	L80000000000000000000000000000000	2988C00	6.2.23	41.59.8.129	6D:5C:61:43:21:12	27.12.5	1.8.88	008_DevGr005_DevProfile	005_ConnProfile	
12	c882364242c11d1	59:EE:BD:D8:FE:63	L80000000000000000000000000000000	2988C00	4.9.6	240.58.238.160	5D:51:FD:9F:D5:02	20.5.4	1.4.71	008_DevGr005_DevProfile	005_ConnProfile	
13	836076a086c329be	99:43:05:BC:B8:02	L80000000000000000000000000000000	2988C00	8.3.65	242.57.215.147	CC:80:F0:7D:07:F7	1.6.51	1.2.85	008_DevGr005_DevProfile	005_ConnProfile	
14	66cb139808850257	4C:A8:91:57:08	L80000000000000000000000000000000	2988C00	7.6.68	150.56.225.41	19:DA:6C:ED:2F:39	22.2.1	1.1.12	008_DevGr005_DevProfile	005_ConnProfile	
15	569ad19958766c58	20:19:45:65:6D	L80000000000000000000000000000000	2988C00	9.7.32	189.55.109.116	3A:26:82:62:D4:13	1.5.99	1.1.11	008_DevGr005_DevProfile	009_ConnProfile	
16	c8314d357603f8b	C9:D1:A6:AC:50:59	L80000000000000000000000000000000	2988C00	2.8.90	147.54.153.141	CC:23:95:49:74:5A	22.11.5	1.8.35	008_DevGr005_DevProfile	005_ConnProfile	
17	2ad6399a658450c5	27:68:AD:D9:FD:5D	L80000000000000000000000000000000	2988C00	8.1.84	58.53.133.12	48:94:0E:88:B8:D1	19.6.2	1.6.52	008_DevGr005_DevProfile	005_ConnProfile	
18	24d11a0802860918	VD:8F:FB:77:FE:8B	L80000000000000000000000000000000	2988C00	4.1.92	172.52.100.169	48:0B:4E:88:B8:D1	7.3.91	1.4.24	008_DevGr005_DevProfile	005_ConnProfile	
19	224d0355d070a7a	3A:A8:B3:A9:74:C6	L80000000000000000000000000000000	2988C00	97.96	1.51.181.123	D7:02:8F:1C:7E:2B	1.4.61	1.7.19	008_DevGr005_DevProfile	005_ConnProfile	
20	456511c1398355d1	4C:88:0F:CB:12:1E	L80000000000000000000000000000000	2988C00	4.1.59	227.50.185.60	8C:1A:E2:8C:9E:9C	20.11.2	1.7.45	008_DevGr005_DevProfile	005_ConnProfile	
21	66eb808024c7a23	AD:74:BF:16:95:54	L80000000000000000000000000000000	2988C00	6.6.15	174.49.174.199	94:7A:10:79:95:1C	20.5.2	1.7.92	008_DevGr005_DevProfile	005_ConnProfile	
22	c354c1a1b780b99	29:32:79:34:E6:4C	L80000000000000000000000000000000	2988C00	8.7.73	179.48.249.186	85:E5:C0:FF:E4:C8	1.9.47	1.2.45	008_DevGr005_DevProfile	005_ConnProfile	
23	7325dc23220ad34	FE:14:9F:D8:EC:92	L80000000000000000000000000000000	2988C00	5.5.58	253.47.103.181	60:1E:6C:7E:2C:B8	1.4.79	1.8.3	008_DevGr005_DevProfile	005_ConnProfile	
24	7093e1b6c4585566	7C:BB:40:80:78	L80000000000000000000000000000000	2988C00	2.9.41	8.46.98.194	D6:53:03:P67A:CC	1.5.77	1.5.42	008_DevGr005_DevProfile	005_ConnProfile	

Figure 43 Export Device Inventory Report - Grouped

Click the export icon  in the toolbar to export device inventory report. This will export information of all devices in the grouped page. The exported format is a .csv file with a file name DeviceList_yyyymmdd_hhmmss.csv

("DMS_DeviceList": fixed characters, "yyyymmdd": exported year/month/day, "hhmmss": exported time - hour/minute/second).

Depending on your browser setting, the inventory report would be exported to a default file download location, or you would be asked to select a file location to save the file. If the is an error happened in exporting process, an error message appears.

3.5.2 Ungrouped

Device Name	MAC Address	Endpoint ID	Device Type	IP	SW	Status	Online Time (GMT+0800)
bff317a05e...	98:7B:B3:3F:17:7A	endpoint-0320...	29BAC00	29.3.1.188	1.1.56	SW U...	2024.04.23 00:03...
ef5e31940...	8E:7F:5E:17:C3:8F	endpoint-0320...	29B5C00	135.14.132.2...	22.3.4	Sleep	2024.04.23 00:14...
101dc12e4...	41:5E:4D:52:4A:8D	endpoint-0320...	29BXC00	174.9.7.220	1.2.33	Sleep	2024.04.23 00:09...
0208114fd...	7D:B0:D1:03:E3:B3	endpoint-0320...	29BXC00	220.7.5.176	1.5.76	Sleep	2024.04.23 00:07...
e18e2e143...	DE:09:84:08:1D:3B	endpoint-0320...	29BAC00	65.15.165.51	19.8.5	Reboot	2024.04.23 00:15...
dd8d3a1c2...	45:DC:27:35:30:F8	endpoint-0320...	29BAC00	161.8.20.138	21.8.2	Online	2024.04.23 00:08...
9dc69fa61...	C3:5B:C9:DF:70:EA	endpoint-0320...	FS-FPSV	237.5.65.146	1.7.79	Online	2024.04.23 00:05...
f2b0c6c22...	84:4C:5A:7B:94:A2	endpoint-0320...	29B5C00	104.4.222.15	22.2.5	Online	2024.04.23 00:04...
5611154a1...	D4:5B:E8:3A:02:09	endpoint-0320...	29B8C00	17.1.252.215	19.10.1	Online	2024.04.23 00:01...

Figure 44 Ungrouped Device


Click **Device** in the left side of the screen. Then click **Ungrouped** page to show all devices which are not included in any group.

The list shows all ungrouped device information, including each device's name, MAC address, endpoint ID, device type, IP address, SW version, device status, and the last online time. The list defaults to the descending order of "Online Time", and the last online device will be displayed first.


When a device turns on for the first time, it is automatically registered to DMS, which is located in the same network, and sends device information to DMS.

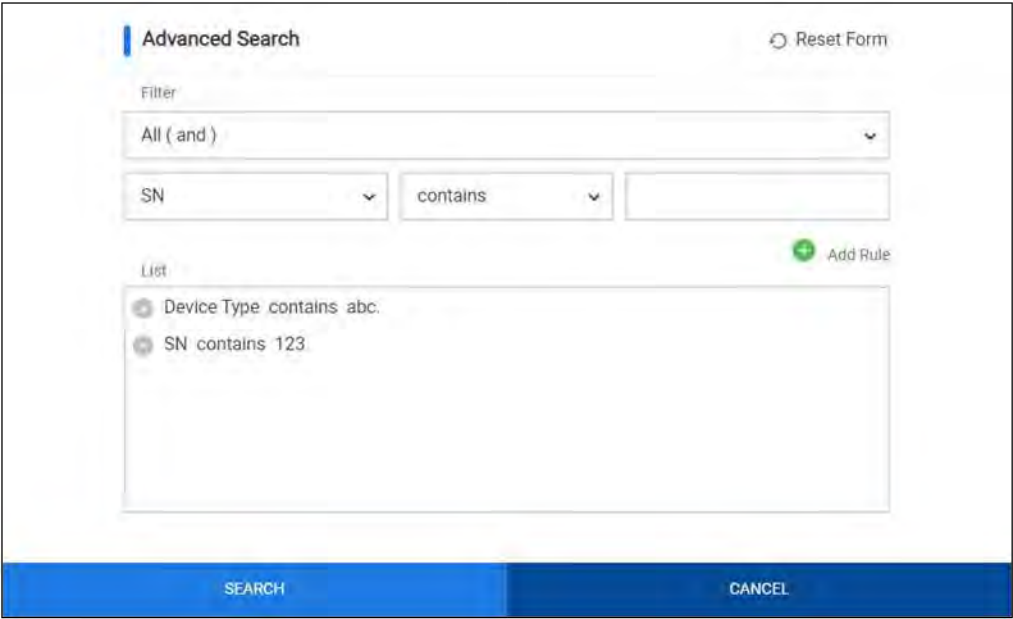
After completing the register, the device is shown in ungrouped page.

In search field , you can search any data that meets your search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.

Click the advanced search icon  to show advanced search screen. You can define search criteria to find particular data in ungrouped device screen.





After choosing the criteria (e.g. Device Type, MAC Address, IP, SN, SW Version, BIOS Version and Status) you want to use and entering your search words, click the add rule icon  to add rule in search list. You can add one or several search criteria. After completing the setting, click **SEARCH** to start data searching; or click **CANCEL** to close search screen.



The screenshot shows the 'Advanced Search' window. At the top right is a 'Reset Form' button. Below it is a 'Filter' section with a dropdown menu set to 'All (and)'. Underneath are two input fields: the first contains 'SN' and the second contains 'contains'. To the right of these is an 'Add Rule' button with a green plus icon. Below the filter section is a 'List' box containing two rules: 'Device Type contains abc.' and 'SN contains 123'. At the bottom are two large buttons: 'SEARCH' on the left and 'CANCEL' on the right.

Click the redistribute icon  in the toolbar to redistribute device information.

Click the import icon  in the toolbar to import device data.

Click the export device inventory report icon  in the toolbar to export device inventory information. This will export information of all devices in Ungrouped.

Click each column header to sort the data in order of letter or number.






^ MAC Address	^ MAC Address
00:05:5D:F3:41:2B	D4:BE:D9:84:E8:74
00:23:54:F2:61:E1	BB:BB:BB:BB:BB:BB
00:30:04:0D:B3:09	AA:AA:AA:AA:AA:AA
00:30:04:0D:B3:0A	11:11:11:11:11:11






Sort data in ascending order or descending order

The default sorting order is according to the latest online time of a device.

Choose a device in the ungrouped page and click a toolbar icon at the top of the



window      to send commands, move the device to a specific group, set default properties, view device, or delete the device.

- Click the send commands icon  in the toolbar to send commands to a selected device.
- Click the move device icon  in the toolbar to move a selected device to a specific group.
- Click the set default properties icon  in the toolbar to configure one or multiple devices' default values in a group.
- Click the view icon  in the toolbar or click the left mouse button twice to view device information.
- Click the delete icon  in the toolbar to delete the device. **Note** that only an offline device can be deleted. When a deleted device is registered to DMS once again in the future, it will be shown in ungrouped list.

Right-click a device from the list and it will show a shortcut list of sending commands, moving to a specific group, setting default properties, viewing information, or deleting a device which is in offline state, which is the same as the icons in the toolbar.

Device Name	MAC Address	Endpoint ID	Device Type	IP	SW	Status	Online Time(SMT+08:00)
01b66146...	Send Command	endpoint-0320...	29B5C00	90.3.59.128	1.6.13	Online	2024.01.24 00:03...
118cecdcd...	Move to	endpoint-0320...	29B2C00	6.4.217.130	19.3.2	Conn...	2024.01.24 00:04...
173723484...	Default	endpoint-0320...	29B8C00	242.12.31.161	22.4.2	Online	2024.01.24 00:12...
3b3d067d7...	View	endpoint-0320...	FS-FP5V	58.5.5.206	22.1.3	SW U...	2024.01.24 00:05...
	Delete						

You can choose one or more groups or devices at the same time. The active functions (i.e. isn't grayed out) in the toolbar or the shortcut list are different in accordance with different choices and device states.




(1) View Device

The screenshot shows a 'View Device' window with a sidebar on the left containing tabs: 'Info' (selected), 'Static', 'Reported', 'Desired', and 'Default'. The main area displays configuration details for a device named 'amdx86-64'. The details are organized into two columns. The first column contains: Device Name (amdx86-64), Device Type (FS-FP5V), IP Address (192.168.4.53), SW Version (24.03.0-rc2), and BIOS Version (N/A). The second column contains: MAC Address (00:05:82:53:EC:68), SN (FFZT10001), SW Build Date (2024/03/21), and BIOS Build Date (N/A). At the top right of the window is a 'Delete Item' button. At the bottom are two buttons: 'MOVE' and 'CANCEL'.

Field	Value
Device Name	amdx86-64
Device Type	FS-FP5V
IP Address	192.168.4.53
SW Version	24.03.0-rc2
BIOS Version	N/A
MAC Address	00:05:82:53:EC:68
SN	FFZT10001
SW Build Date	2024/03/21
BIOS Build Date	N/A

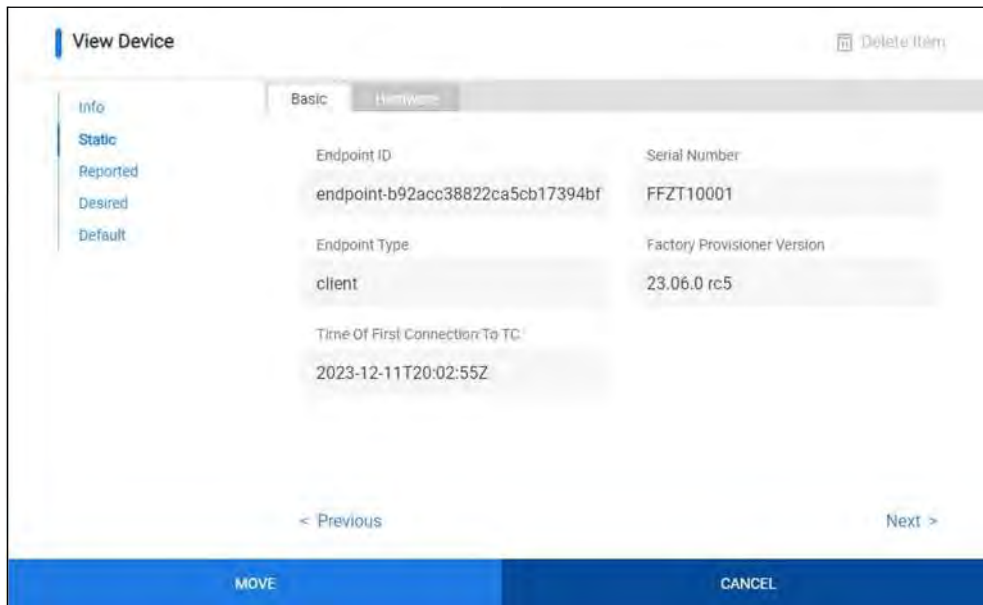
Figure 45 View Device (Ungrouped)


Choose a device from the list and click the view icon  in the toolbar or click the left mouse button twice to view device configuration information. You can also right-click a device from the list to show the **View** option.

If DMS and the Trust Center are successfully configured and connected, you can view static, reported, desired, and default setting details of the Trusted Zero Clients.

Click **Info** or any tab on the left to switch the setting page at any time during the configuration process. The static, reported, desired, and default content is only displayed for specific device types.

When you click the menu of Static, Reported, Desired or Default on the left, you can view the setting contents belonging to these different categories. Click the tab above to switch between different setting items and their details.



Click the Delete Item icon  Delete Item to delete the specific device item.
Note that only an offline device can be deleted. When a deleted device is registered to DMS once again in the future, it will be shown in ungrouped list.

Click **MOVE** to show group selection window and move the device to the specific group.

Click **CLOSE** to leave the view window.

(2) Send Command to Device

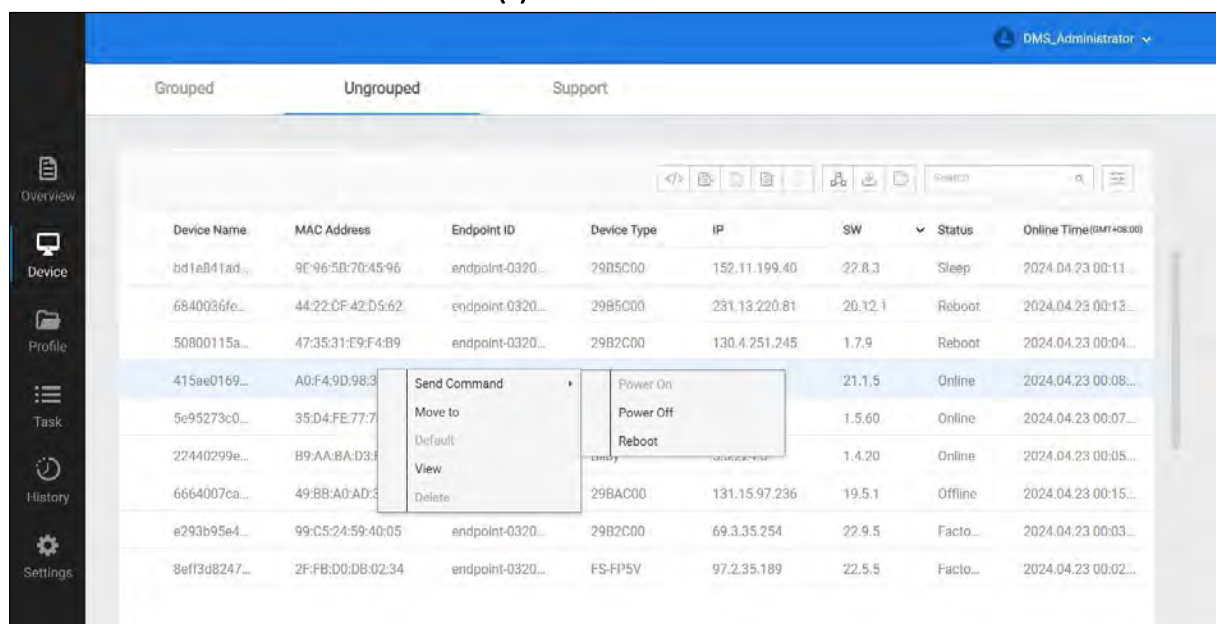



Figure 46 Send commands to a device



Choose an ungrouped device from the list and click the send commands icon  in the toolbar to send commands to a selected device. You can also right click a device from the list to show the **Send Command** option.

The supported commands include power on/off and reboot.

When devices are in some status, a command may not be active. Please refer to table 2 for more device type and active command details.

(3) Move Devices to a Group

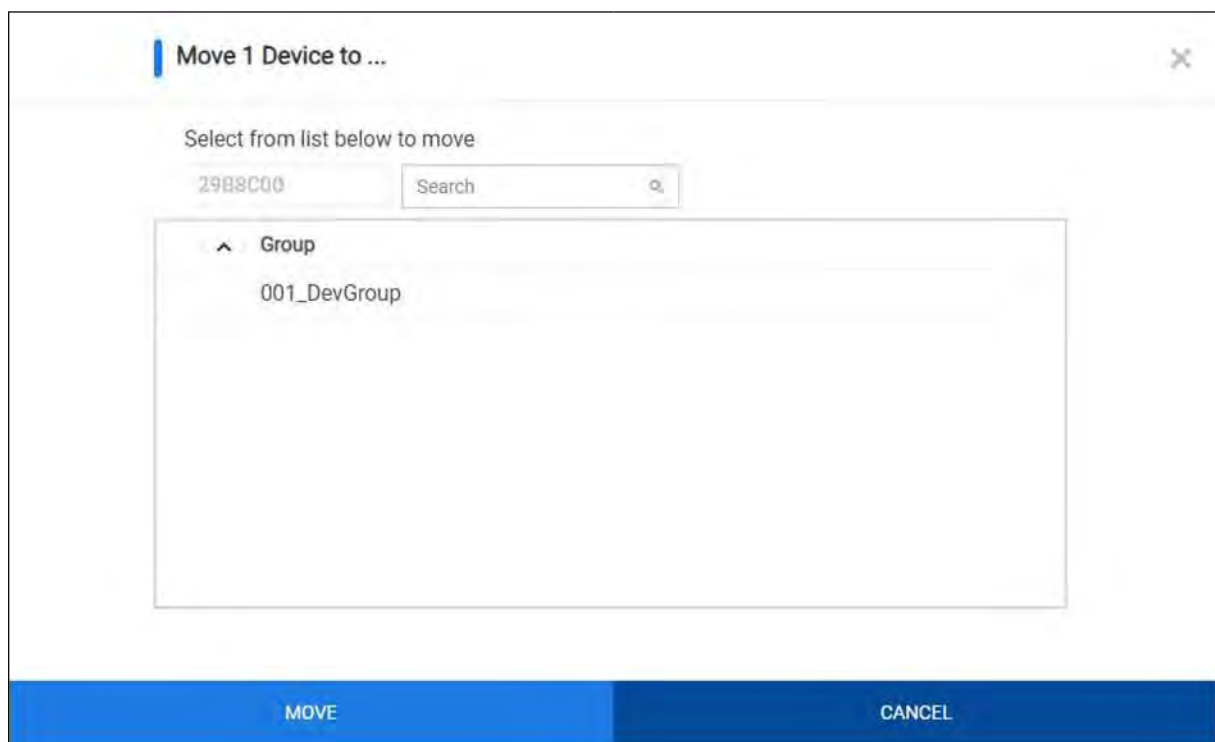




Figure 47 Move devices to a group



Choose one or many devices in the list and click the move device icon  in the toolbar to move selected devices to a specific group. When you choose multiple devices, please make sure they are belonged to the same device type.

You can also right-click a device from the list to show the **Move to** option.

Only groups available for a specific device type will be displayed in the group list. When the selected devices are in offline state, they will be applied with the new group setting after turning on.

In search field , you can search any data that meets your search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.

Click **MOVE** to move the devices to a specific group.

Click **CANCEL** or icon  to restore your previous settings and leave the page.

(4) Delete Device

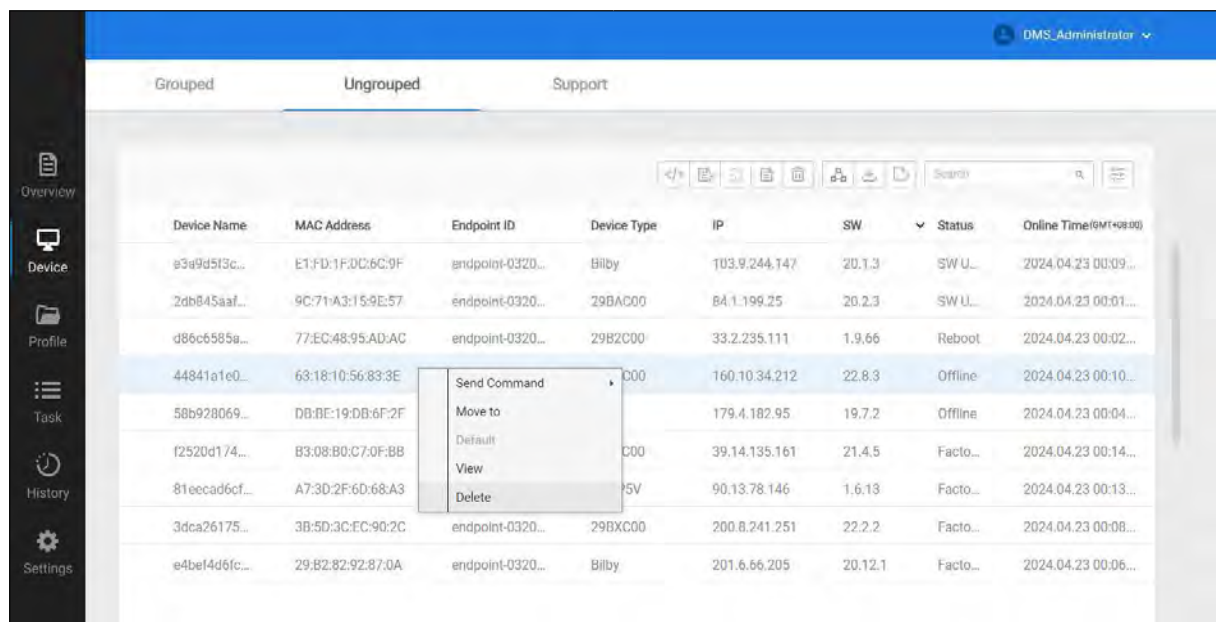



Figure 48 Delete Device

Choose one or many devices from the list and click the delete icon  in the toolbar to delete the selected devices. **Note** that you can only delete devices which are in offline

state. When a deleted device is registered to DMS once again in the future, it will be shown in ungrouped list.

You can also right-click a device from the list to show the **Delete** option.

(5) Import Device

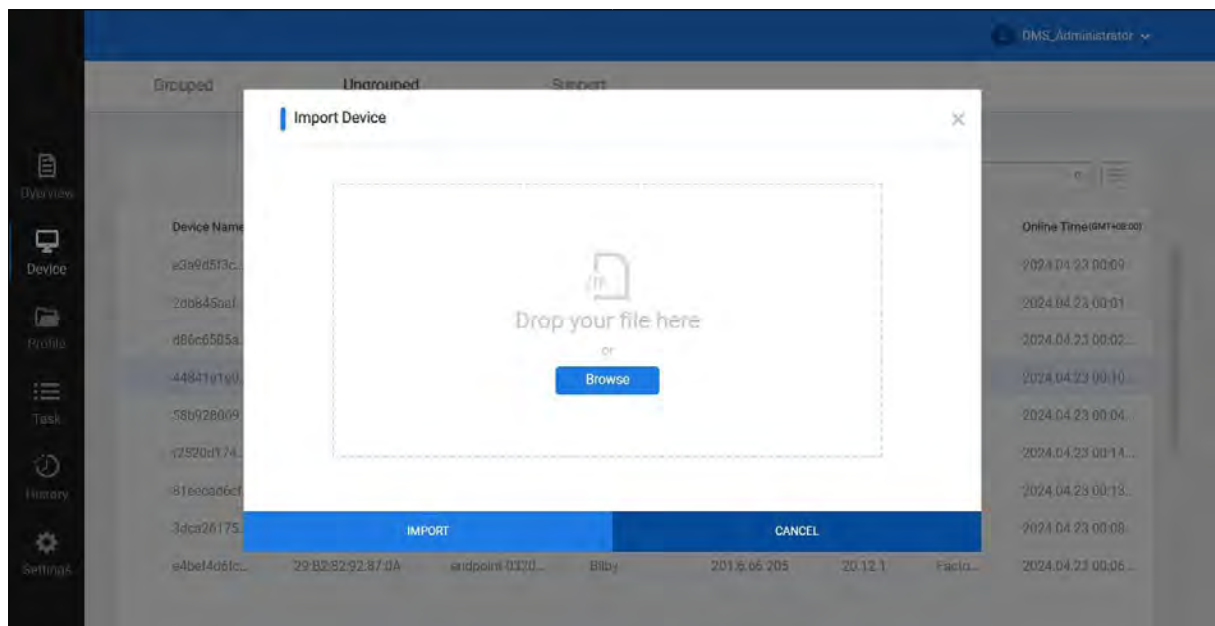



Figure 49 Import device to ungrouped

In Ungrouped main window, click the import icon  in the toolbar to import device data.

You can drag the file here or click **Browse** and choose the file (*.zip) you want to import.

You can only import one file at a time.

Click **IMPORT** to import device data and then leave the window. If there is any error happening during importing process, it shows error message. You can download and view the error report.


Click **CANCEL** or icon to leave the import window without changes.

(6) Export Device Inventory Report

	A	B	C	D	E	F	G	H	I	J	K	L
	Device Name	MAC Address	Serial Number	Device Type	Hardware Version	IP Address	Wi-Fi MAC Address	3G# Version	B/G# Version	OS#	Device Profile	Connection Problem
1	4091041038501760400000000000000000	1800000000000000000000000000000000	298XAC70	7.2.1.1	2.15.205.192	92:40:0A:18:00:00	1.1.00	1.8.3.1				
2	1211041038501760400000000000000000	1800000000000000000000000000000000	298XAC70	7.2.1.1	2.15.205.192	92:40:0A:18:00:00	1.1.00	1.8.3.1				
3	1000103850176040000000000000000000	1800000000000000000000000000000000	298XAC70	7.2.1.1	2.15.205.192	92:40:0A:18:00:00	1.1.00	1.8.3.1				
4	1000103850176040000000000000000000	1800000000000000000000000000000000	298XAC70	7.2.1.1	2.15.205.192	92:40:0A:18:00:00	1.1.00	1.8.3.1				
5	1000103850176040000000000000000000	1800000000000000000000000000000000	298XAC70	7.2.1.1	2.15.205.192	92:40:0A:18:00:00	1.1.00	1.8.3.1				
6	1000103850176040000000000000000000	1800000000000000000000000000000000	298XAC70	7.2.1.1	2.15.205.192	92:40:0A:18:00:00	1.1.00	1.8.3.1				
7	1000103850176040000000000000000000	1800000000000000000000000000000000	298XAC70	7.2.1.1	2.15.205.192	92:40:0A:18:00:00	1.1.00	1.8.3.1				
8	1000103850176040000000000000000000	1800000000000000000000000000000000	298XAC70	7.2.1.1	2.15.205.192	92:40:0A:18:00:00	1.1.00	1.8.3.1				
9	1000103850176040000000000000000000	1800000000000000000000000000000000	298XAC70	7.2.1.1	2.15.205.192	92:40:0A:18:00:00	1.1.00	1.8.3.1				
10	1000103850176040000000000000000000	1800000000000000000000000000000000	298XAC70	7.2.1.1	2.15.205.192	92:40:0A:18:00:00	1.1.00	1.8.3.1				
11	1000103850176040000000000000000000	1800000000000000000000000000000000	298XAC70	7.2.1.1	2.15.205.192	92:40:0A:18:00:00	1.1.00	1.8.3.1				
12	1000103850176040000000000000000000	1800000000000000000000000000000000	298XAC70	7.2.1.1	2.15.205.192	92:40:0A:18:00:00	1.1.00	1.8.3.1				
13	1000103850176040000000000000000000	1800000000000000000000000000000000	298XAC70	7.2.1.1	2.15.205.192	92:40:0A:18:00:00	1.1.00	1.8.3.1				
14	1000103850176040000000000000000000	1800000000000000000000000000000000	298XAC70	7.2.1.1	2.15.205.192	92:40:0A:18:00:00	1.1.00	1.8.3.1				
15	1000103850176040000000000000000000	1800000000000000000000000000000000	298XAC70	7.2.1.1	2.15.205.192	92:40:0A:18:00:00	1.1.00	1.8.3.1				
16	1000103850176040000000000000000000	1800000000000000000000000000000000	298XAC70	7.2.1.1	2.15.205.192	92:40:0A:18:00:00	1.1.00	1.8.3.1				
17	1000103850176040000000000000000000	1800000000000000000000000000000000	298XAC70	7.2.1.1	2.15.205.192	92:40:0A:18:00:00	1.1.00	1.8.3.1				
18	1000103850176040000000000000000000	1800000000000000000000000000000000	298XAC70	7.2.1.1	2.15.205.192	92:40:0A:18:00:00	1.1.00	1.8.3.1				
19	1000103850176040000000000000000000	1800000000000000000000000000000000	298XAC70	7.2.1.1	2.15.205.192	92:40:0A:18:00:00	1.1.00	1.8.3.1				
20	1000103850176040000000000000000000	1800000000000000000000000000000000	298XAC70	7.2.1.1	2.15.205.192	92:40:0A:18:00:00	1.1.00	1.8.3.1				
21	1000103850176040000000000000000000	180000000										

Figure 50 Export Device Inventory Report - Ungrouped



Click the export icon  in the toolbar to export device inventory report. This will export information of all devices in the ungrouped page. The exported format is a .csv file with a file name DeviceList_yyyymmdd_hhmmss.csv (“DMS_DeviceList”: fixed characters, “yyyymmdd”: exported year/month/day, “hhmmss”: exported time – hour/minute/second).

Depending on your browser setting, the inventory report would be exported to a default file download location, or you would be asked to select a file location to save the file. If the is an error happened in exporting process, an error message

(7) Redistribute Device

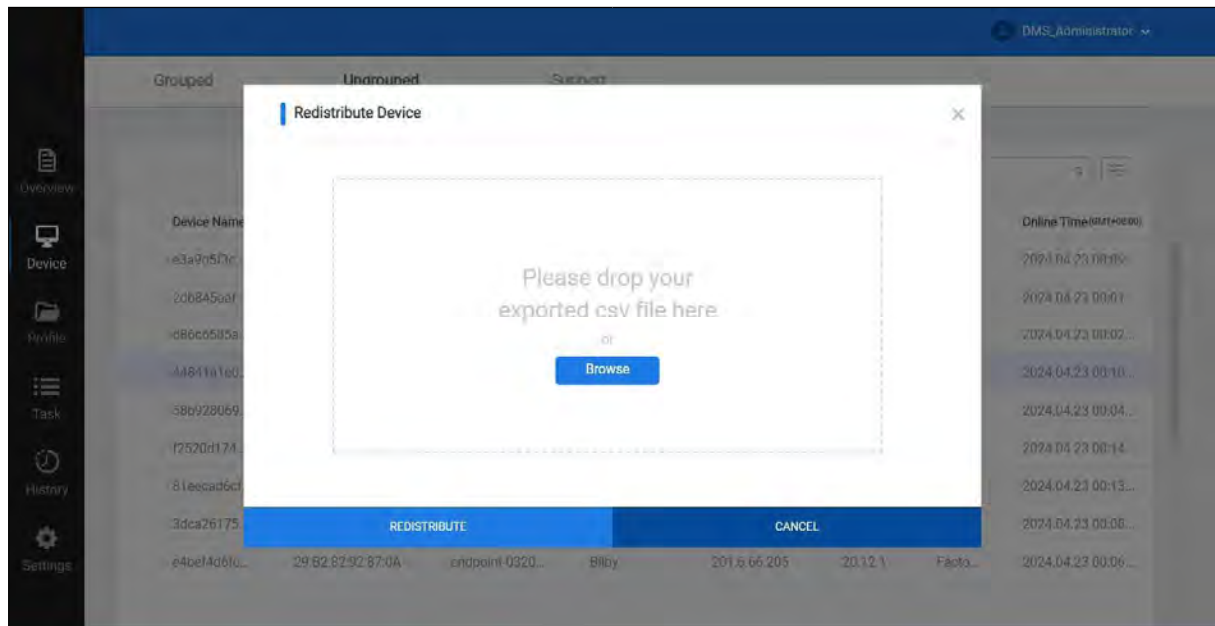



Figure 51 Redistribute Device

In Ungrouped page, you can click the redistribute icon  in the toolbar to redistribute ungrouped devices based on export information of grouped devices. To restore the grouped data associated with devices, you must export device report in Grouped page in advance. Once imported, the system will distribute ungrouped devices into each group, based on the grouped data in the previous exported report.

You can drag the file or click the **Browse** button to select the file (*.csv) and import. Only one file can be imported at a time.

After selecting the files to be imported, click the **REDISTRIBUTE** button to redistribute devices and leave the screen. If an error occurs during the distribution process, an error message will be displayed, and you can choose to download and view the error report.

Click **CANCEL** to leave the window without changes.


3.5.3 Support


Administrators can view online and VNC/SSH-supported devices, use VNC session to control and manage the remote desktop or use SSH to conduct remote connection, and furthermore clarify preliminary issues and fix problems for the connected devices.

Device Name	Device Type	Support Type	Online Time (GMT+08:00)
3392078238abdc11f315056a86...	29B8C00	VNC, SSH	2024.04.23 01:12
35cd3725caaf61083ff8577a6b92...	29B5C00	VNC, SSH	2024.04.23 01:05
e29396de1373264dc1f2452bbf9...	29B8C00	VNC, SSH	2024.04.23 01:04
008f31551cef977c496bc9fdcc33...	29BXC00	VNC, SSH	2024.04.23 00:44
47787B459ef2f02f8ebaa68478c...	29BXC00	VNC, SSH	2024.04.23 00:37
1b4774e1f2af3e87a75bf242eaf1...	29BXC00	VNC, SSH	2024.04.23 00:28
e43464b7ac0f42d4ea5768a7c1d...	29B2C00	VNC, SSH	2024.04.23 00:25
6972e663d72d7c406c0c519658f...	29B8C00	VNC, SSH	2024.04.23 00:14
6be06288228e8193f70cca1a1e4...	29B5C00	VNC, SSH	2024.04.23 00:08


Figure 52 Support Screen

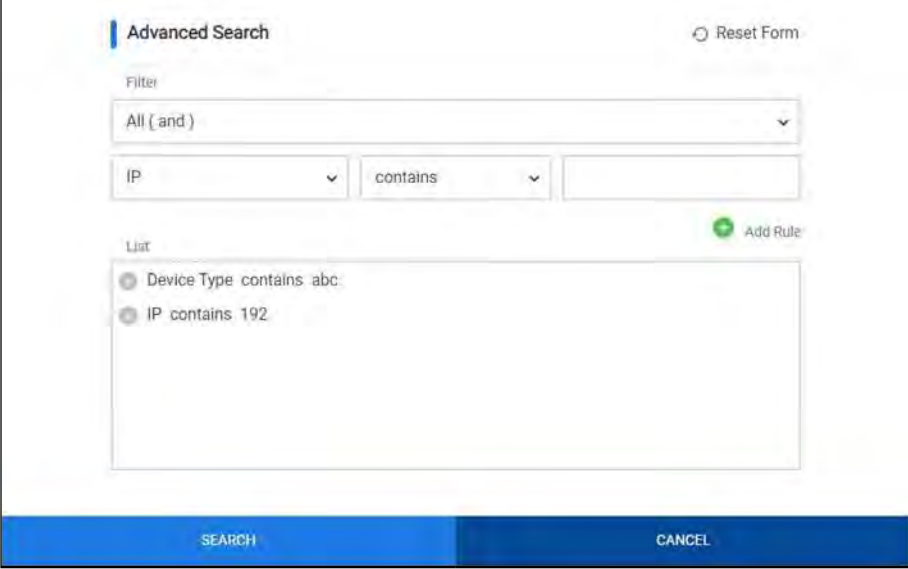
Click sub-page **Support** in Device page. The list shows all online and VNC/SSH-supported device information, including each device's device name, device type, support type, and the last online time. The list defaults to the descending order of "Online Time", and the last online item will be displayed first.

In search field , you can search any data that meets your search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.

Click the advanced search icon  to show advanced search screen. You can define search criteria to find particular data in support screen. After choosing the criteria (e.g. Device Type, MAC Address, IP, SN, SW Version, BIOS Version and Status) you want to use



and entering your search words, click the add rule icon  to add rule in search list. You can add one or several search criteria. After completing the setting, click **SEARCH** to start data searching; or click **CANCEL** to close search screen.



The image shows a screenshot of the 'Advanced Search' interface. At the top, there is a title 'Advanced Search' and a 'Reset Form' button. Below the title is a 'Filter' section with a dropdown menu set to 'All (and)'. Underneath the filter is a rule configuration area with two dropdowns: 'IP' and 'contains', followed by an empty text input field. To the right of this area is a green '+ Add Rule' button. Below the rule configuration is a 'List' section containing two search rules: 'Device Type contains abc.' and 'IP contains 192.'. At the bottom of the interface are two large buttons: 'SEARCH' and 'CANCEL'.

Click each column header to sort the data in order of letter or number.



^

MAC Address

11:37:58:B0:61:EA

14:49:C6:F7:94:F9

3D:DB:7E:6C:66:9D

7F:35:E9:A2:5F:4C

v

MAC Address

EE:65:D2:D7:EE:96

CF:F9:B9:87:29:63

C4:A4:6B:26:A1:A5

B4:F1:14:E9:C0:1C

Sort data in ascending order

or descending order

View Support Setting

Device Name

3392078238abdc11f315056a862244d73dfccdf1527abe05c22f0252c936d6f

Device Type

29B8C00

MAC Address

64:EE:37:18:D4:5F

IP Address

108.72.118.158

VNC Port

5900

SSH Port

22


SSH Account

guest

Figure 53 View Support Setting

Choose a device in the VNC- or SSH-supported device list to show device connection information, including device name, device type, MAC address, IP address, VNC port, SSH port, and SSH connection account of the device you want to connect to. This screen is read only.



Click icon  to leave the device support setting page.

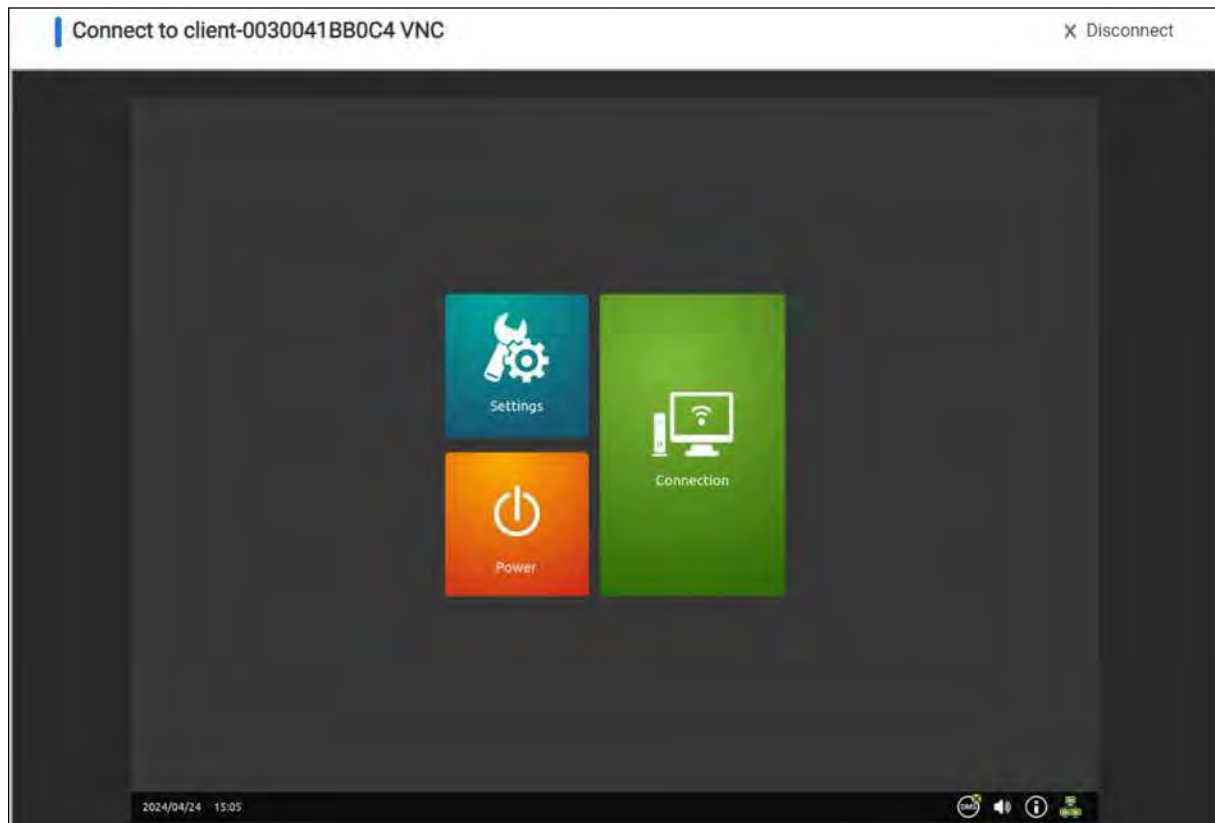



Figure 54 VNC connection succeeded

Click the VNC icon  on the toolbar. The remote desktop is displayed after the connection is successful. The upper left corner of the window displays the name of the currently connected device and the connection type information.

Click **Disconnect** button to disconnect VNC connection and close the window.

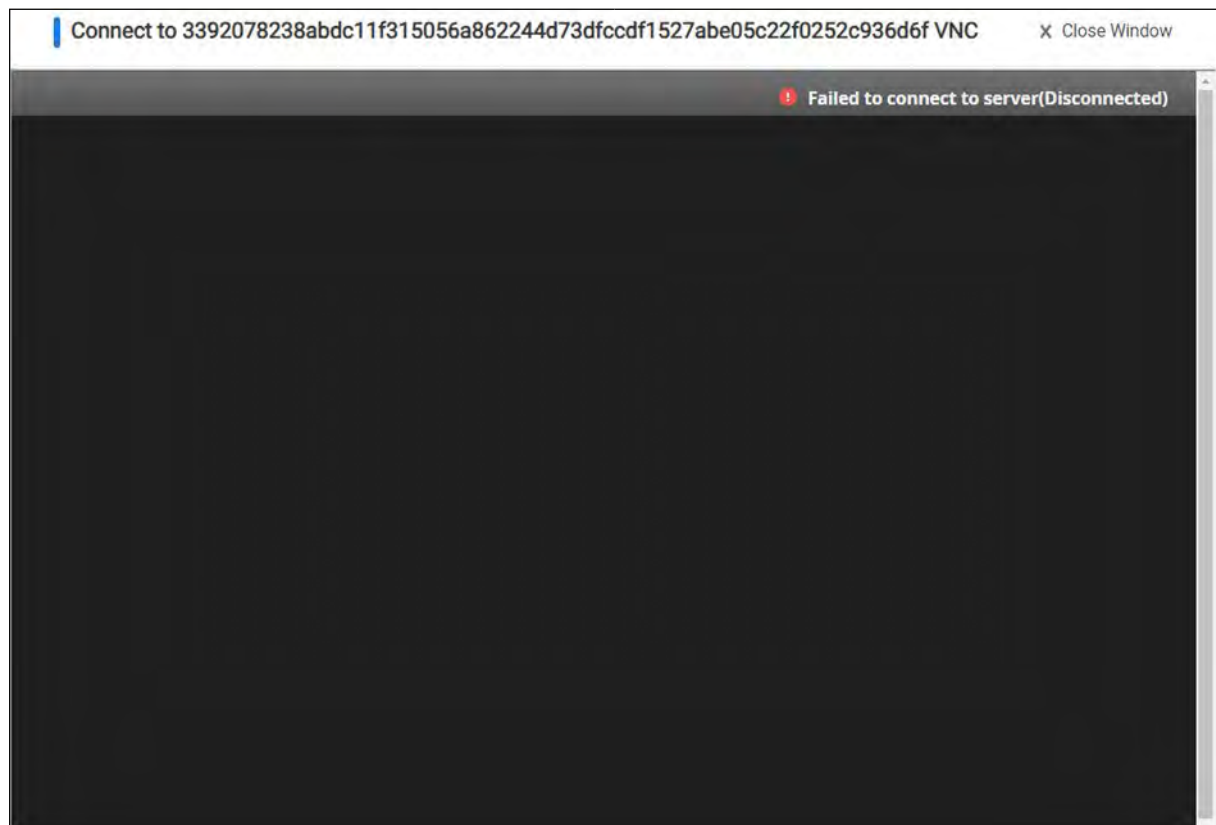


Figure 55 VNC connection failed

If VNC connection fails, it will show connection failure message in the upper right corner of the window, e.g. **Failed to connect to server (Disconnected)**.

Click **Close Window** button to close VNC connection window.

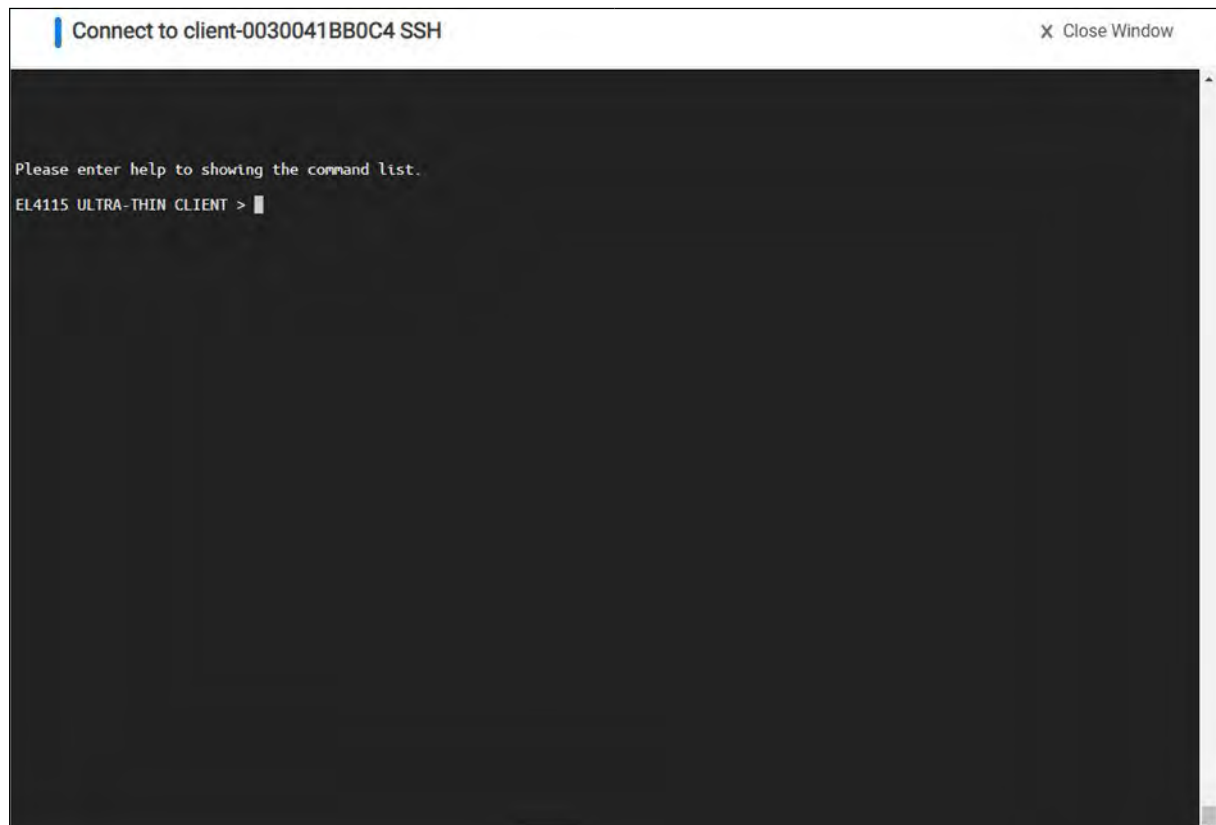



Figure 56 SSH connection succeeded

Click the SSH icon  on the toolbar. The remote desktop is displayed after the connection is successful. The upper left corner of the window displays the name of the currently connected device and the connection type information.

You are able to enter and perform commands in the window.

Click **Close Window** button to disconnect SSH connection and close the window.

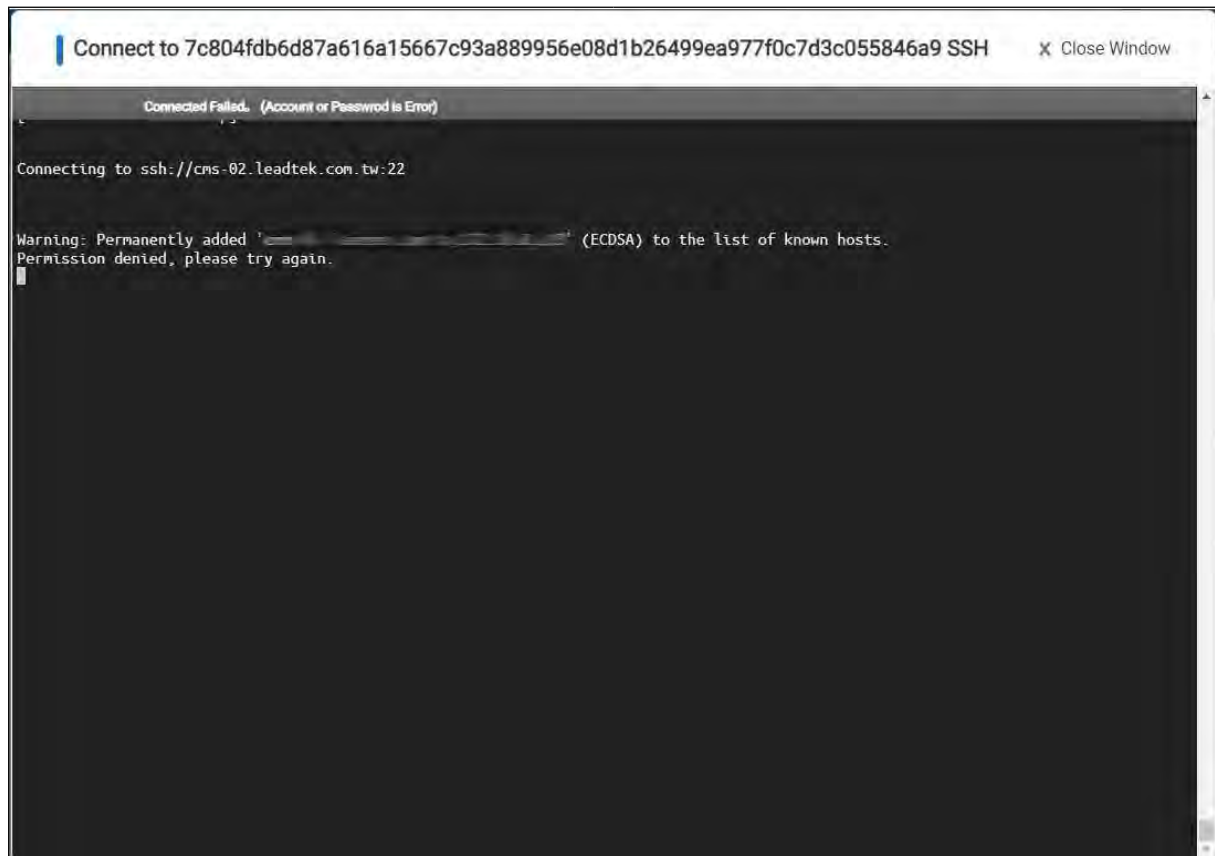


Figure 57 SSH connection failed

If SSH connection fails, it will show connection failure message in the connection window, e.g. **Permission denied, please try again.**

Click **Close Window** button to close SSH connection window.

3.6 Profile

The Profile page provides device and connection configuration information. It lets you manage and configure grouped devices and connection settings.

Advanced device settings can be reconfigured on each client device individually.

Modified settings may be different from configuration profile in the specific group. The settings on the client device will be synchronized with the profile, after next device reboot or receiving updated profile from DMS.


3.6.1 Device Profile


Device Profile	Device Type	Time Zone	Group	Last Edited
010_DevProfile	29B8C00	GMT+04:30	1	2024.04.23 00:10
009_DevProfile	29BXC00	GMT+08:00	1	2024.04.23 00:09
008_DevProfile	29B5C00	GMT+01:00	0	2024.04.23 00:08
007_DevProfile	29BXC00	GMT+05:00	1	2024.04.23 00:07
006_DevProfile	29BAC00	GMT+04:30	1	2024.04.23 00:06
005_DevProfile	29B8C00	GMT+07:00	0	2024.04.23 00:05
004_DevProfile	29B5C00	GMT+13:00	2	2024.04.23 00:04
003_DevProfile	29B2C00	GMT+04:00	0	2024.04.23 00:03
002_DevProfile	Bilby	America/Vancouver	2	2024.04.23 00:02



Figure 58 Device Profile

Click **Profile** in the left side of the screen. You will see information of the created device profiles, including device profile name, device type, time zone, group number, and the last edited time. The list defaults to the descending order of "Last Edited Time", and the last edited item will be displayed first.

You can view, add, edit, copy, or delete a device profile item.

If there is a scheduled task being executed, an icon  will be displayed on the left. When the mouse is moved to the top, a prompt message "Task is running" will be displayed.


In search field , you can search any data that meets your search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.

Click the advanced search icon  to show advanced search screen. You can define search criteria to find particular data in device profile screen. After choosing the criteria (e.g. Device Type, Device Profile, Description, Used Group, Create User and Create Time) you want to use and entering your search words, click the add rule icon  to



add rule in search list. You can add one or several search criteria. After completing the setting, click **SEARCH** to start data searching; or click **CANCEL** to close search screen.

Click the import icon  in the toolbar to import the device profile.

Click the export icon  in the toolbar to export device profile. If you didn't choose any device from the list, it exports all device profiles. If a specific device profile is selected, it exports the selected data.





Click each column header to sort the data in order of letter or number.





Sort data in ascending order

Device Profile
001_DevProfile
002_DevProfile
003_DevProfile
004_DevProfile

or descending order

Device Profile
018_DevProfile
017_DevProfile
016_DevProfile
015_DevProfile

Choose a device profile from the list and click a toolbar icon at the top of the window  to edit, view, delete, or copy a device profile.

- Click the edit icon  in the toolbar to edit device profile configuration.
- Click the view icon  in the toolbar or click the left mouse button twice to view device profile information.
- Click the delete icon  in the toolbar to delete a device profile.
- Click the copy icon  in the toolbar to copy a device profile.



Right-click a device profile from the list and it will show a shortcut list of editing, viewing, deleting, and copying device profile, which is the same as the icons in the toolbar.

You can choose one or more device profiles at the same time. The active functions (i.e. isn't grayed out) in the toolbar or the shortcut list are different in accordance with different choices and applied group states.

(1) Add Device Profile

Before adding a device profile, ensure Device Type data has been created and configured in DMS.

When a client device is registered to DMS server, it will upload device type it belongs to. You don't need to manually add the device type. If there isn't any device being registered in DMS, a message **No Device exist.** appears when adding a device profile.

The screenshot shows the 'Add Device Profile' form with the 'Info' tab selected. The form includes a sidebar with navigation links: Info, Password, Power Management, Network Settings, Security Settings, Certificate Settings, Date/Time Settings, Upload Logo & Configure Desktop, and USB Permission. The main form area contains three fields: 'Device Profile*' (a text input), 'Device Type' (a dropdown menu showing '29B8C00'), and 'Description' (a text input with a placeholder 'Up to 200 characters'). A 'Reset Form' link is in the top right. At the bottom, there are 'ADD' and 'CANCEL' buttons. A 'Next >' link is also present in the bottom right corner of the form area.

Figure 59 Add Device Profile - Info

Click the ADD icon  in Device Profile page to create a new device



profile. In the configuration window, enter the device profile name, choose device type, and configure the rest of settings.

The window will show different configuration content according to the selected **Device Type**. Here uses device type “29B8C00” as the example.

Click **Info** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured. If a device type has been established and existed in DMS, it will be displayed in the field in sequence.


- **Device Profile:** You must configure the device profile name. The length of the name field is 20 characters. Space is not allowed in device profile name.
- **Device Type:** Select a device type from the drop-down list. This field must be configured. The drop-down list is generated when a device is registered to the DMS server or the model name passed through Anyware Trust Center.
- **Description:** Lets you enter the device profile description. The length of the description is 200 characters. This field is optional.
- Click **Next >** or the **Password** tab on the left to move to the next setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

Figure 60 Add Device Profile - Password

The Password setting window shows user and administrator account/password configuration content. Click **Password** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **User Account:** When the device is powered on, it will automatically log in with this account. This field must be filled in. Space is not allowed in account field.
- **User Password:** Configure the user log-in password if it is required.
- **Admin Account:** Configure the administrator account to authorize access to advanced settings. This field must be filled in. Space is not allowed in account field.
- **Admin Password:** The device's advanced configuration is protected by a password. You have to configure the password to get access to advanced configuration. This field must be filled in. Space is not allowed in password field. The default password is *Administrator*. After clicking the field, you can edit the password and display the password icon. Click the Show Password icon to

display the data in the password field; click the Hide Password icon  to hide the data in the password field.

- Click **Next >** or the **Power Management** tab on the left to move to the next setting page.
- Click **< Previous** or the **Info** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

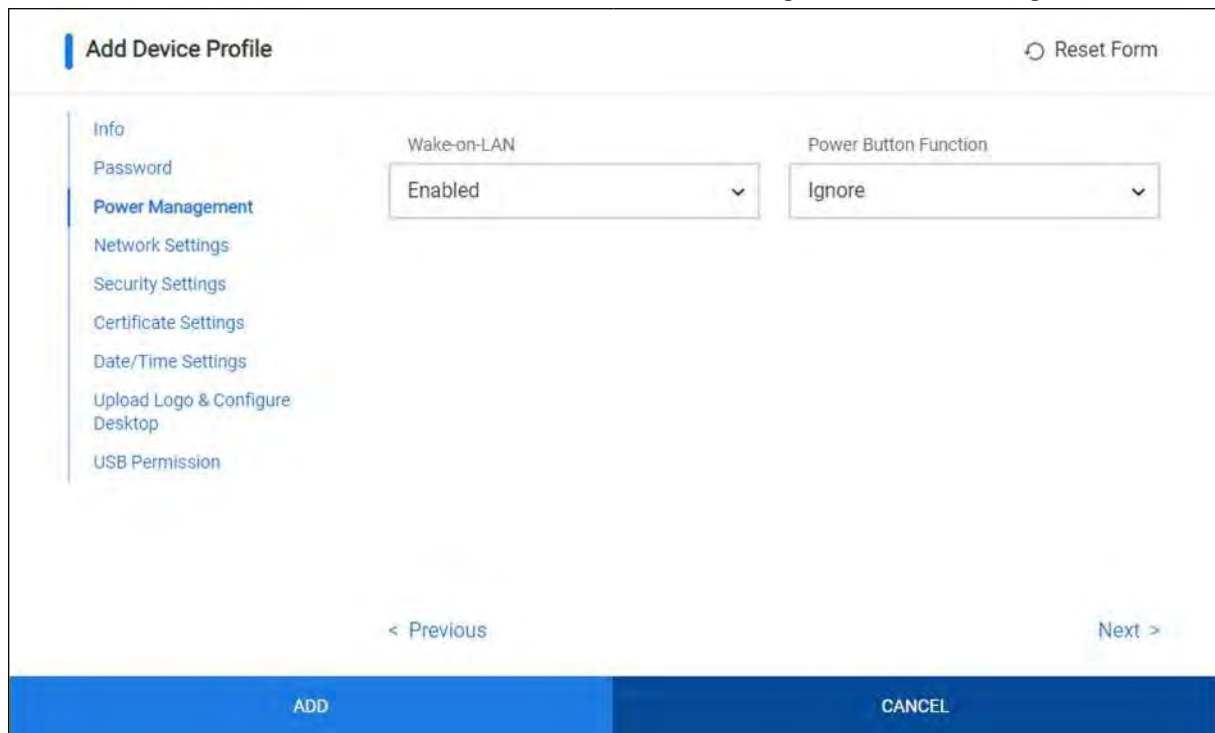


Figure 61 Add Device Profile – Power Management

The Power Management setting window shows wake-on-LAN, power on after power loss, and power button function configuration content. Click **Power Management** or any tab on the left to switch the setting page at any time during the configuration process.



Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Wake-on-LAN: Select Disable or Enable from the drop-down list to disable/enable WoLAN in power off state. This field must be configured.
- Power Button Function: Select Ignore, Sleep, Power-Off, or Session Disconnecting from the drop-down list. When set to Ignore, no action is taken regardless of whether the device is in a VDI session; when set to Sleep, the device enters sleep mode regardless of whether the device is in a VDI session; when set to Power-Off, the device is turned off regardless of whether the device is in a VDI session; when set to Session Disconnecting, if the device is in a VDI session, pressing power button would disconnect the session. This field must be configured.
- Click **Next >** or the **Network Settings** tab on the left to move to the next setting page.
- Click **< Previous** or the **Password** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.



The screenshot shows the 'Add Device Profile' window with the 'Network Settings' tab selected. The sidebar on the left lists various configuration options, with 'Network Settings' highlighted. The main content area displays the 'Wireless' section, where a dropdown menu is currently set to 'Disabled'. At the bottom of the window, there are two large buttons: 'ADD' and 'CANCEL'. Navigation links for '< Previous' and 'Next >' are located just above these buttons.

Figure 62 Add Device Profile – Network Settings

The Network Settings window shows wireless network configuration content. Click **Network Settings** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.



- Wireless: Select Disabled or Enabled from the drop-down list. This field must be configured. When Enabled is selected, configure SSID (wireless network name), encryption (options: Open, WEP-ASCII, WEP-HEX, WPA-PSK, and WPA2-PSK) and Key (password).

- Click **Next >** or the **Security Settings** tab on the left to move to the next setting page.
- Click **< Previous** or the **Power Management** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

Figure 63 Add Device Profile – Security Settings

The Security Settings window shows SSH and VNC configuration content. Click **Security Settings** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- SSH: Select Disabled or Enabled from the drop-down list. This field must be configured.
- SSH Password: Enter SSH password when SSH is enabled. This field must be filled in. Space is not allowed in password field. After clicking the field, you can edit the password and display the password icon. Click the Show Password icon  to display the data in the password field; click the Hide Password icon  to hide the data in the password field.
- VNC: Select Disabled or Enabled from the drop-down list. This field must be configured.






- VNC Password: Enter VNC password when VNC is enabled. This field must be filled in. Space is not allowed in password field. After clicking the field, you can edit the password and display the password icon. Click the Show Password icon  to display the data in the password field; click the Hide Password icon  to hide the data in the password field.
- VNC Port: This is a read-only field. The port number is 5900.
- Click **Next >** or the **Certificate Settings** tab on the left to move to the next setting page.
- Click **< Previous** or the **Network Settings** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.


Figure 64 Add Device Profile – Certificate Settings

The Certificate Settings window shows connection certificate configuration content. The certificate file must have been uploaded and stored in the software. The certificate details can be managed and viewed in Settings -> File -> Certificate page. Click **Certificate Settings** or any tab on the left to switch the setting page at any time during the configuration process.




Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Certificate 1: Select certificate file by clicking the Expand icon  to expand and show the file list that you can choose from. Only one can be selected at a time.



- Certificate 2: Select certificate file by clicking the Expand icon  to expand and show the file list that you can choose from. Only one can be selected at a time.



- If a profile is applied to a group, a message **This item is used by group.** is displayed. Click the Expand icon  to expand and show applied group list. Click the Leave icon  to collapse the expanded group list.
- Click **Next >** or the **Date/Time Settings** tab on the left to move to the next setting page.
- Click **< Previous** or the **Security Settings** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

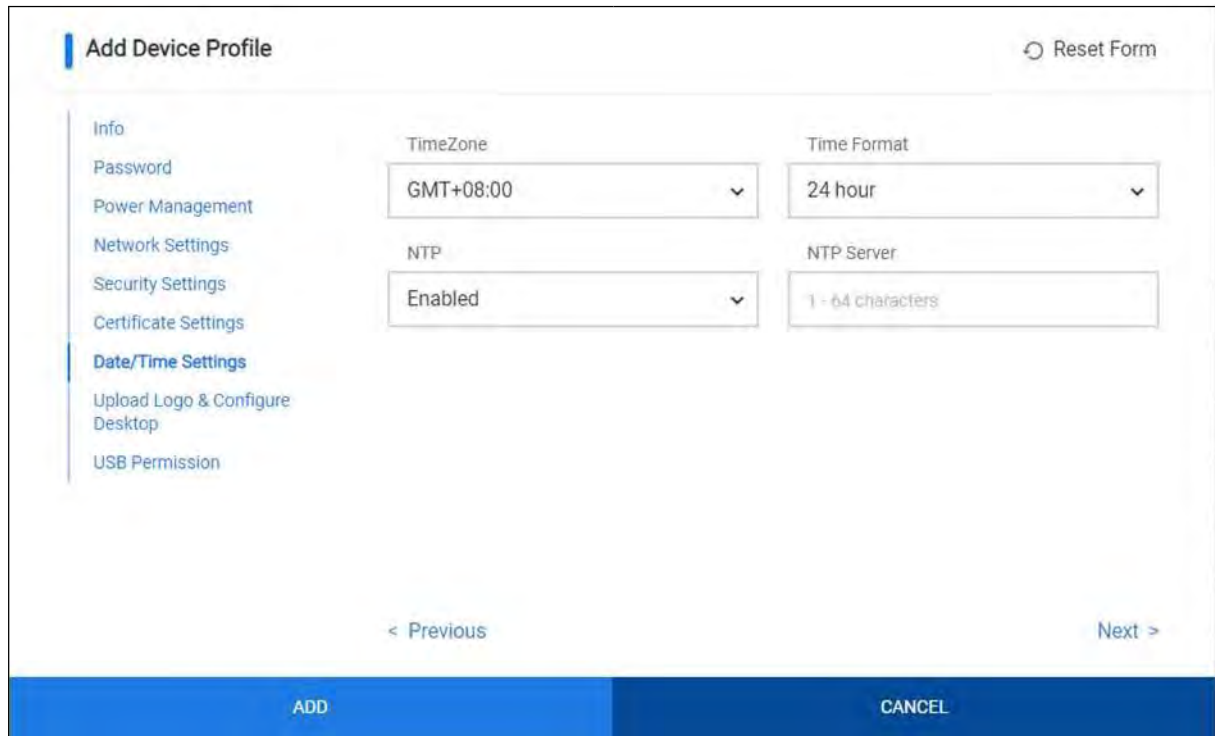


Figure 65 Add Device Profile – Date/Time Settings

The Date/Time Settings window shows time zone, time format, and NTP configuration content. Click **Date/Time Settings** or any tab on the left to switch the setting page at any time during the configuration process.


Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Time Zone: Select a time zone that the devices are located from the drop-down list. This field must be configured.
- Time Format: Select 12 or 24 hour from the drop-down list. This field must be configured.
- NTP: Select Disabled or Enabled from the drop-down list. This field must be configured.
- NTP Server: Enter NTP server address. This field must be configured.
- Click **Next >** or the **Upload Logo & Configure Desktop** tab on the left to move to the next setting page.

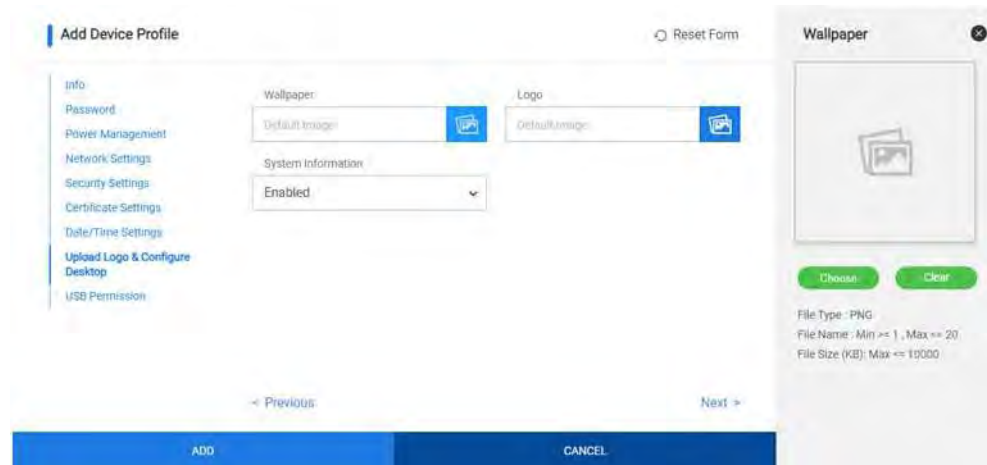
- Click **< Previous** or the **Certificate Settings** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.




Figure 66 Add Device Profile – Upload Logo & Configure Desktop

The Upload Logo & Configure Desktop window allows you to configure wallpaper image, logo and enable/disable system information. Click **Upload Logo & Configure Desktop** or any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured


- Wallpaper: choose the wallpaper image file that you want to upload. It allows uploading a single image file. Click the icon  to extend the wallpaper

preview screen on the right. If you haven't chosen a wallpaper image, the preview screen shows grey image.



- Click the icon  to show the file selection window. After confirming the selected wallpaper file, the image will display in wallpaper preview screen. The **Wallpaper** will show the selected file name. The file format, size, and/or limitation would be different, according the selected device type. Please refer to the file limitation description in the preview screen. Click the icon  to clear selected file. The file preview screen and **Wallpaper** will return to the unedited state. Click  to close the extended file setting screen.

This filed is optional.


- Logo: choose the company logo file that you want to upload. It allows uploading a single logo file. Click the icon  to extend the logo preview screen on the right. If you haven't chosen a logo image, the preview screen shows grey image.

- Click the icon **Choose** to show the file selection window. After confirming the selected logo file, the image will display in logo preview screen. The **Logo** will show the selected file name. The file format, size, and/or limitation would be different, according the selected device type. Please refer to the file limitation description in the preview screen. Click the icon **Clear** to clear selected file. The file preview screen and **Logo** will return to the unedited state. Click **Figure 65** to close the extended file setting screen. This field is optional.
- System Information: Select Disabled or Enabled from the drop-down list to confirm whether or not to show system information on UI. This field must be configured.
- Click **Next >** or the **USB Permission** tab on the left to move to the next setting page.
- Click **< Previous** or the **Date/Time Settings** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

Figure 67 Add Device Profile – USB Permission

The USB Permission window allows you to configure USB permissions and authorize/unauthorize certain USB devices by Class (Device Class, Subclass, Protocol) or ID (Vendor ID, Product ID). The permission settings will be applied after the remote session is established. Click **USB Permission** or any tab on the left to switch the setting page at any time during the configuration process.


Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured

- **USB Permission Rule:** Displays the current number of USB permission rules. If there is no existing rule, it will display blank in the field; otherwise it will display the current quantity in the field. You can add maximum 10 rules of authorized devices and 10 rules of unauthorized devices.
- Click the icon  next to the number of USB permission rules to expand and display the current list of USB permission rules. The USB permission rules have fields such as authorization type and new conditions that can be set. You can use the drop-down menu to switch between Any, Authorized, and

Unauthorized devices. After clicking any item in the list, the selected item will be highlighted and displayed its USB permission rule details. To delete this rule,

Remove

to delete it.

- When adding a new USB authorization entry, click the icon  click the icon


and

select Authorized in Permission. Select one of the following in Add new:


- Class: The USB device is authorized by its device class, sub-class, and protocol information
- ID: The USB device is authorized by its vendor ID and product ID information

Click the ADD icon **ADD** to add this new rule to the list on the

right.

When adding a new USB authorization entry, click the icon  and select Unauthorized in Permission. Select one of the following in Add new:

- Class: The USB device is unauthorized by its device class, subclass, and protocol information
- ID: The USB device is unauthorized by its vendor ID and product ID information

Click the ADD icon  to add this new rule to the list on the right.

- Click **< Previous** or the **Upload Logo & Configure Desktop** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.



- Click the **Reset Form** icon **Figure 16** to reset the page content

back to the default state and the first setting page.


- Click **CANCEL** to restore your previous settings and leave the page.

(2) View Device Profile

View Device Profile [Delete Item](#)

ⓘ This item is used by group.


Info

Device Profile	Device Type
005_DevProfile	29B8C00
Description	
Test Description -- Device Profile : 5	
Group Name (1)	Create Time
001_DevGroup 	2024.04.23 00:05 by 0002
Edit Time	
2024.04.23 00:05 by 0002	

[Next >](#)

EDIT **CANCEL**

Figure 68 View Device Profile - 1

Choose a device profile from the list and click the view icon  in the toolbar or click the left mouse button twice to view device profile configuration information. You can also right-click a device profile from the list to show the **View** option.



The window will show different configuration content according to the selected **Device Type**. Here uses device type “29B8C00” as the example. Click **Info** or any tab on the left to switch the view page at any time during the process.

The window shows Info, Password, Power Management, Network, Security, Certificate, Date/Time Settings, Upload Logo & Configure Desktop, and USB Permission settings.






- If a profile is applied to a group, a message **This item is used by group.** is displayed. Click the Expand icon  to expand and show applied group list. Click the Leave icon  to collapse the expanded group list.
- Click **Next >** to move to the next setting page.
- Click **< Previous** to move back to the previous setting page.
- Click **EDIT** to enter device profile editing window.
- Click **CANCEL** to close the view page.
- Click the **Delete Item** icon  **Delete Item** to delete the device profile item. If the item was applied to a group, you are not allowed to delete it.

Figure 69 View Device Profile - 2

If the viewed device profile is processing tasks, a message **This item is included in processing tasks.** is displayed. You can only view the processing task details but cannot edit or delete it.

If a profile is applied to a group, a message **This item is used by group.** is displayed. Click the Expand icon  to expand and show applied group list.

Click the Leave icon  to collapse the expanded group list.

- Click **Next >** to move to the next setting page.
- Click **< Previous** to move back to the previous setting page.
- Click **CANCEL** to close the view page.


(3) Edit Device Profile

You can only edit a device profile which is not performing a task. If a device profile is applied to one or more groups, and there is no group in performing a task, DMS will



display new task scheduling after completing device profile editing. Performing the task will apply the changed device profile to all devices in the group(s).

Figure 70 Edit Device Profile - Info

Choose a device profile from the list and click the edit icon  in the toolbar to edit device profile configuration. You can also right-click a device profile from the list to show the **Edit** option.

The window will show different configuration content according to the selected **Device Type**. Here uses device type “29B8C00” as the example. Click **Info** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Device Profile:** You must configure the device profile name. The length of the name field is 20 characters. Space is not allowed in device profile name.
- **Device Type:** This field is read only and cannot be modified. The data source is generated when a device is registered to the DMS server or the model name passed through Anyware Trust Center.

- Description: Lets you enter the device profile description. The length of the description is 200 characters. This field is optional.
- Click **Next >** or the **Password** tab on the left to move to the next setting page.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the unedited state.
- Click **CANCEL** to restore your previous settings and leave the page.

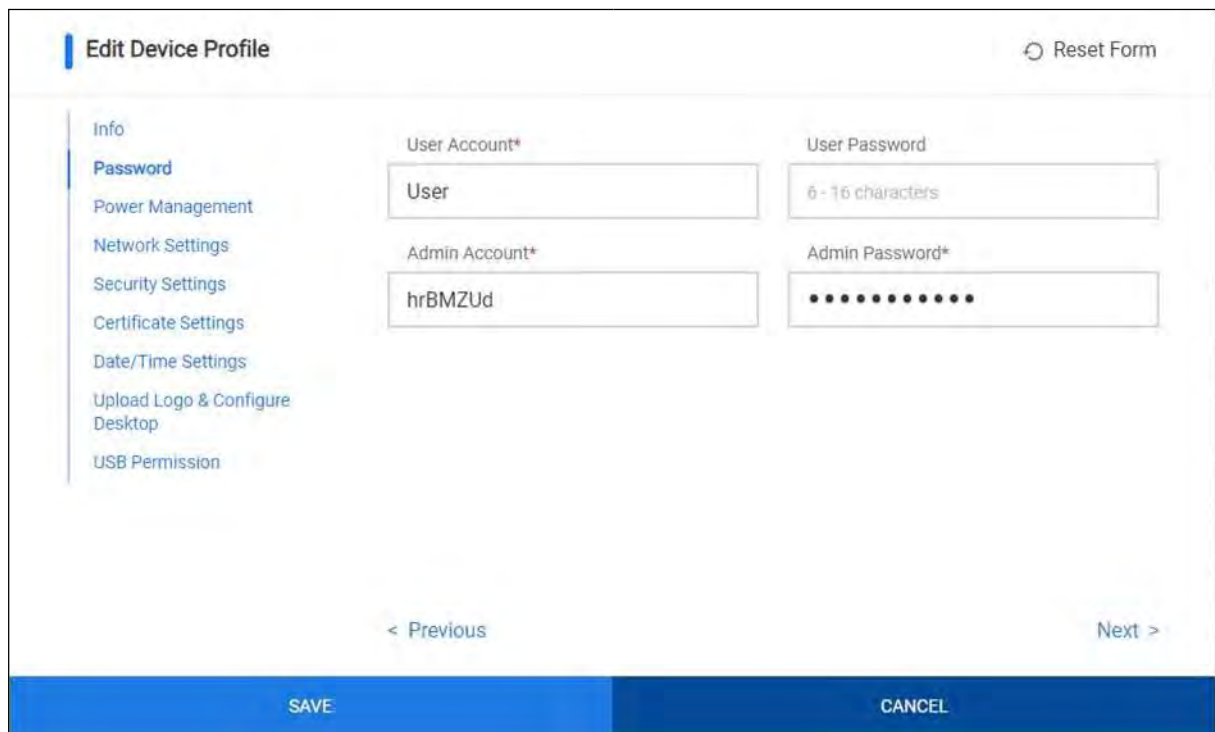


Figure 71 Edit Device Profile - Password

The Password setting window shows user and administrator account/password configuration content. Click **Password** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.








- User Account: When the device is powered on, it will automatically log in with this account. This field must be filled in. Space is not allowed in account field.
- User Password: Configure the user log-in password if it is required. After clicking the field, you can edit the password and display the password icon. Click the Show Password icon  to display the data in the password field; click the Hide Password icon  to hide the data in the password field.
- Admin Account: Configure the administrator account to authorize access to advanced settings. This field must be filled in. Space is not allowed in account field.
- Admin Password: The device's advanced configuration is protected by a password. You have to configure the password to get access to advanced configuration. This field must be filled in. Space is not allowed in password field. After clicking the field, you can edit the password and display the password icon. Click the Show Password icon  to display the data in the password field; click the Hide Password icon  to hide the data in the password field.
- Click **Next >** or the **Power Management** tab on the left to move to the next setting page.
- Click **< Previous** or the **Info** tab on the left to move back to the previous setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

Figure 72 Edit Device Profile – Power Management

The Power Management setting window shows wake-on-LAN, power on after power loss, and power button function configuration content. Click **Power Management** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Wake-on-LAN: Select Disable or Enable from the drop-down list to disable/enable WoLAN in power off state. This field must be configured.
- Power Button Function: Select Ignore, Sleep, Power-Off, or Session Disconnecting from the drop-down list. When set to Ignore, no action is taken regardless of whether the device is in a VDI session; when set to Sleep, the device enters sleep mode regardless of whether the device is in a VDI session; when set to Power-Off, the device is turned off regardless of whether the device is in a VDI session; when set to Session Disconnecting, if the device is in a VDI session, pressing power button would disconnect the session. This field must be configured.

- Click **Next >** or the **Network Settings** tab on the left to move to the next setting page.
- Click **< Previous** or the **Password** tab on the left to move back to the previous setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

Figure 73 Edit Device Profile – Network Settings

The Network Settings window shows wireless network configuration content. Click **Network Settings** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Wireless: Select Disabled or Enabled from the drop-down list. This field must be configured.

- Click **Next >** or the **Security Settings** tab on the left to move to the next setting page.
- Click **< Previous** or the **Power Management** tab on the left to move back to the previous setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

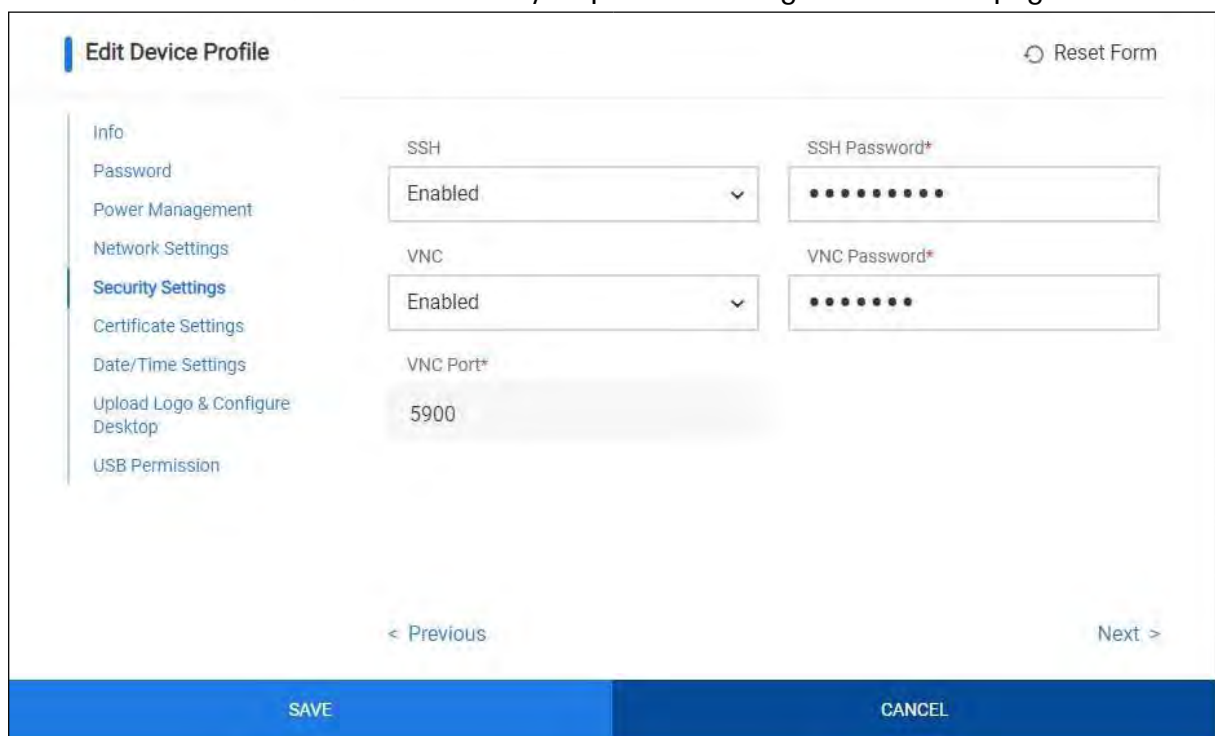


Figure 74 Edit Device Profile – Security Settings

The Security Settings window shows SSH and VNC configuration content. Click **Security Settings** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- SSH: Select Disabled or Enabled from the drop-down list. This field must be configured.








- SSH Password: Enter SSH password when SSH is enabled. This field must be filled in. Space is not allowed in password field. After clicking the field, you can edit the password and display the password icon. Click the Show Password icon  to display the data in the password field; click the Hide Password icon  to hide the data in the password field.
- VNC: Select Disabled or Enabled from the drop-down list. This field must be configured.
- VNC Password: Enter VNC password when VNC is enabled. This field must be filled in. Space is not allowed in password field. After clicking the field, you can edit the password and display the password icon. Click the Show Password icon  to display the data in the password field; click the Hide Password icon  to hide the data in the password field.
- VNC Port: This field is read only and is fixed at 5900.
- Click **Next >** or the **Certificate Settings** tab on the left to move to the next setting page.
- Click **< Previous** or the **Network Settings** tab on the left to move back to the previous setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

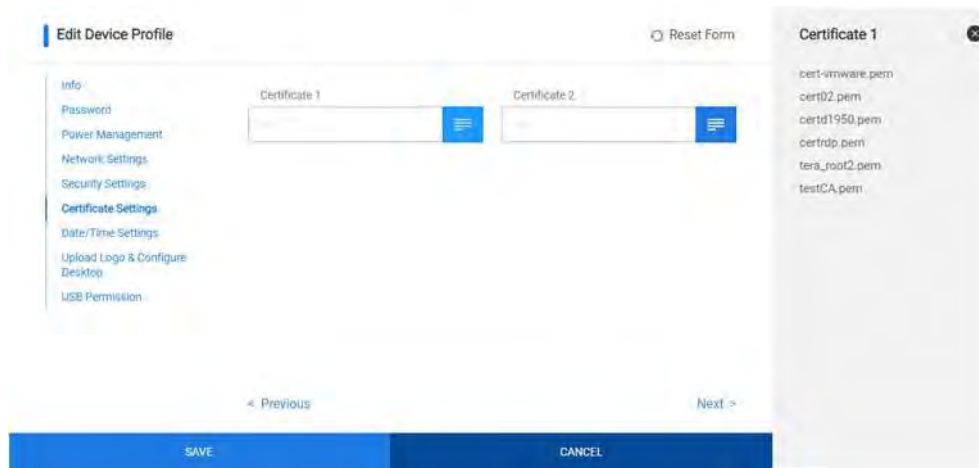
Figure 75 Edit Device Profile – Certificate Settings


The Certificate Settings window shows connection certificate configuration content. The certificate file must have been uploaded and stored in the software. The certificate details can be managed and viewed in Settings -> File

-> Certificate page. If you've configured a certificate previously, the **Certificate Citrix** or **Certificate VMware** will show the previously configured file name. Click **Certificate Settings** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Certificate 1: Select certificate file by clicking the Expand icon  to expand and show the file list that you can choose from. Only one can be selected at a time.



- Certificate 2: Select certificate file by clicking the Expand icon  to expand and show the file list that you can choose from. Only one can be selected at a time.



- Click **Next >** or the **Date/Time Settings** tab on the left to move to the next setting page.
- Click **< Previous** or the **Security Settings** tab on the left to move back to the previous setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

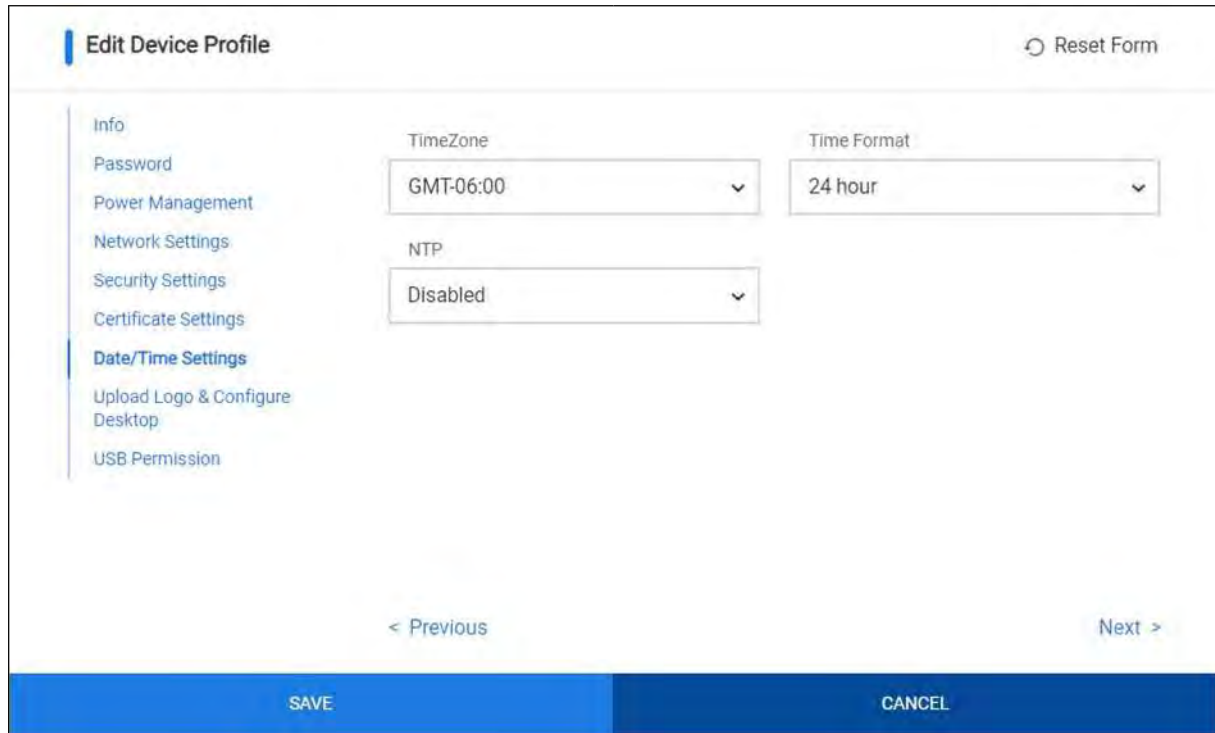


Figure 76 Edit Device Profile – Date/Time Settings

The Date/Time Settings window shows time zone, time format, and NTP configuration content. Click **Date/Time Settings** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.


- Time Zone: Select a time zone that the devices are located from the drop-down list. This field must be configured.
- Time Format: Select 12 or 24 hour from the drop-down list. This field must be configured.
- NTP: Select Disabled or Enabled from the drop-down list. This field must be configured.
- NTP Server: Enter NTP server address. This field must be configured.
- Click **Next >** or the **Upload Logo & Configure Desktop** tab on the left to move to the next setting page.

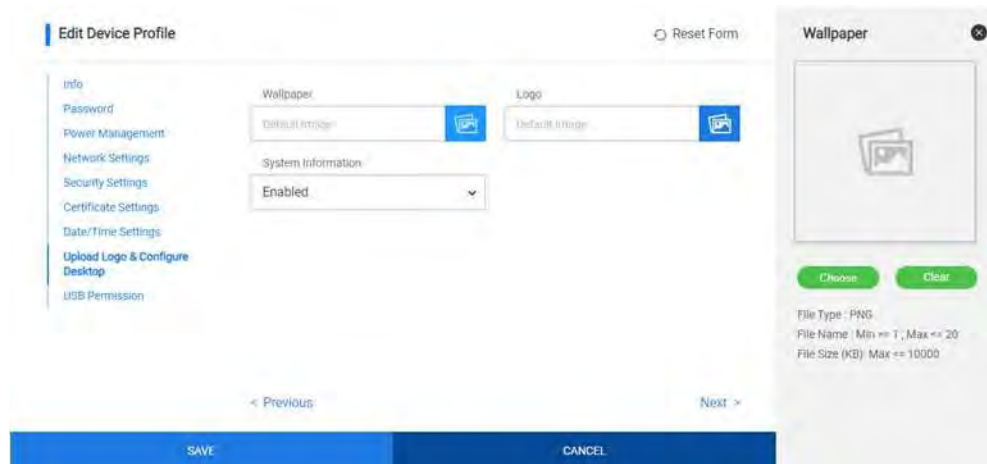
- Click **< Previous** or the **Certificate Settings** tab on the left to move back to the previous setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.







Figure 77 Edit Device Profile – Upload Logo & Configure Desktop

The Upload Logo & Configure Desktop window allows you to configure wallpaper image, logo and enable/disable system information. Click **Upload Logo & Configure Desktop** or any tab on the left to switch the setting page at any time during the configuration process. If you've configured a wallpaper and/or logo image previously, the **Wallpaper** and/or **Logo** will show the previously selected file name.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Wallpaper: choose the wallpaper image file that you want to upload. It allows uploading a single image file. Click the icon  to extend the wallpaper preview screen on the right. If you've chosen a wallpaper file, the preview screen shows the previously selected image. If you haven't chosen a wallpaper image, the preview screen shows grey image.



- If you've chosen a wallpaper file and want to use a new wallpaper image, you can directly click the icon  to change the image or click  to clear the previous setting and then click  to configure a new image.
- Click the icon  to show the file selection window. After confirming the selected wallpaper file, the image will display in wallpaper preview screen. The **Wallpaper** will show the selected file name. The file format, size, and/or limitation would be different, according the selected device type. Please refer to the file limitation description in the preview screen. Click the icon  to clear selected file. The file preview screen and **Wallpaper** will return to the unedited state. Click ^{Figure 65} to close the extended file setting screen.
This filed is optional.
- Logo: choose the company logo file that you want to upload. It allows uploading a single logo file. Click the icon  to extend the logo preview screen on the right. If you've chosen a logo file, the preview screen shows the previously

selected image. If you haven't chosen a logo image, the preview screen shows grey image.



- If you've chosen a logo file and want to use a new logo image, you can directly click the icon **Choose** to change the image or click **Clear** to clear the previous setting and then click **Choose** to configure a new image.
- Click the icon **Choose** to show the file selection window. After confirming the selected logo file, the image will display in logo preview screen. The **Logo** will show the selected file name. The file format, size, and/or limitation would be different, according the selected device type. Please refer to the file limitation description in the preview screen. Click the icon **Clear** to clear selected file. The file preview screen and **Logo** will return to the unedited state. Click **Figure 65** to close the extended file setting screen. This filed is optional.
- System Information: Select Disabled or Enabled from the drop-down list to confirm whether or not to show system information on UI. This field must be configured.
- Click **< Previous** or the **Date/Time Settings** tab on the left to move back to the previous setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content

back to the default state and the first setting page.

- Click **CANCEL** to restore your previous settings and leave the page.

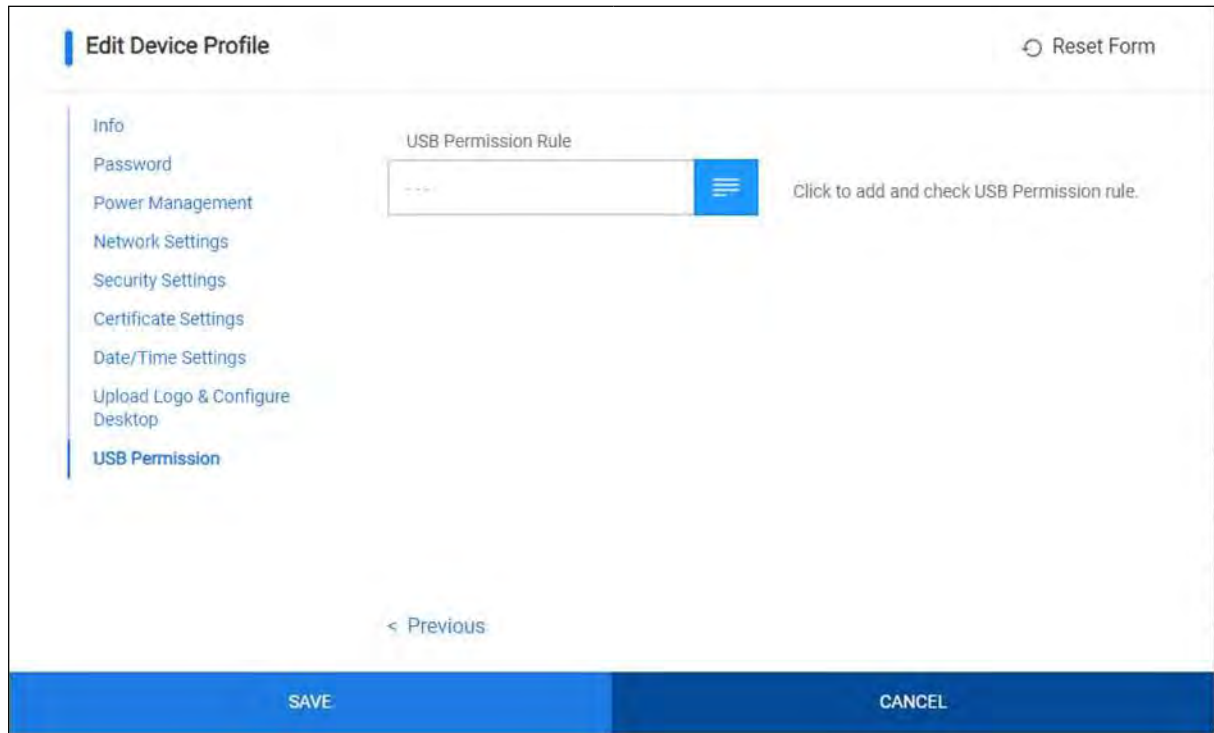



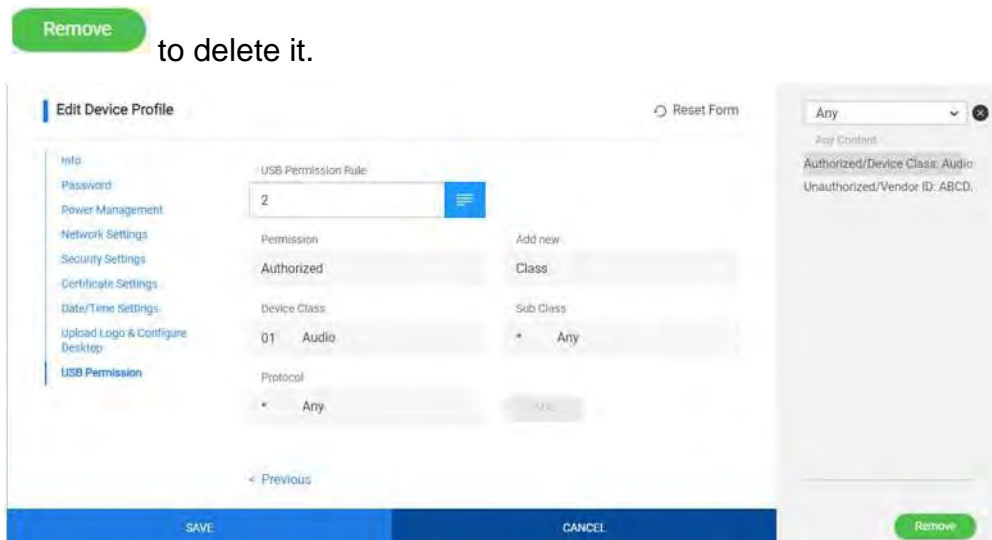
Figure 78 Edit Device Profile – USB Permission


The USB Permission window allows you to configure USB permissions and authorize/unauthorize certain USB devices by Class (Device Class, Subclass, Protocol) or ID (Vendor ID, Product ID). The permission settings will be applied after the remote session is established. Click **USB Permission** or any tab on the left to switch the setting page at any time during the configuration process.


Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured


- **USB Permission Rule:** Displays the current number of USB permission rules. If there is no existing rule, it will display blank in the field; otherwise it will display the current quantity in the field. You can add maximum 10 rules of authorized devices and 10 rules of unauthorized devices.
- Click the icon  next to the number of USB permission rules to expand and display the current list of USB permission rules. The USB permission rules have fields such as authorization type and new conditions that can be set. You


can use the drop-down menu to switch between Any, Authorized, and Unauthorized devices. After clicking any item in the list, the selected item will be highlighted and displayed its USB permission rule details. To delete this rule, click the icon




- When adding a new USB authorization entry, click the icon  and select Authorized in Permission. Select one of the following in Add new:
 - Class: The USB device is authorized by its device class, sub-class, and protocol information
 - ID: The USB device is authorized by its vendor ID and product ID information

Click the ADD icon  to add this new rule to the list on the right.

- When adding a new USB authorization entry, click the icon  and select Unauthorized in Permission. Select one of the following in Add new:
 - Class: The USB device is unauthorized by its device class, subclass, and protocol information
 - ID: The USB device is unauthorized by its vendor ID and product ID information

Click the ADD icon  to add this new rule to the list on the right.

- Click **< Previous** or the **Upload Logo & Configure Desktop** tab on the left to move back to the previous setting page.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  **Figure 16** to reset the page content back to the unedited state.

- Click **CANCEL** to restore your previous settings and leave the page.

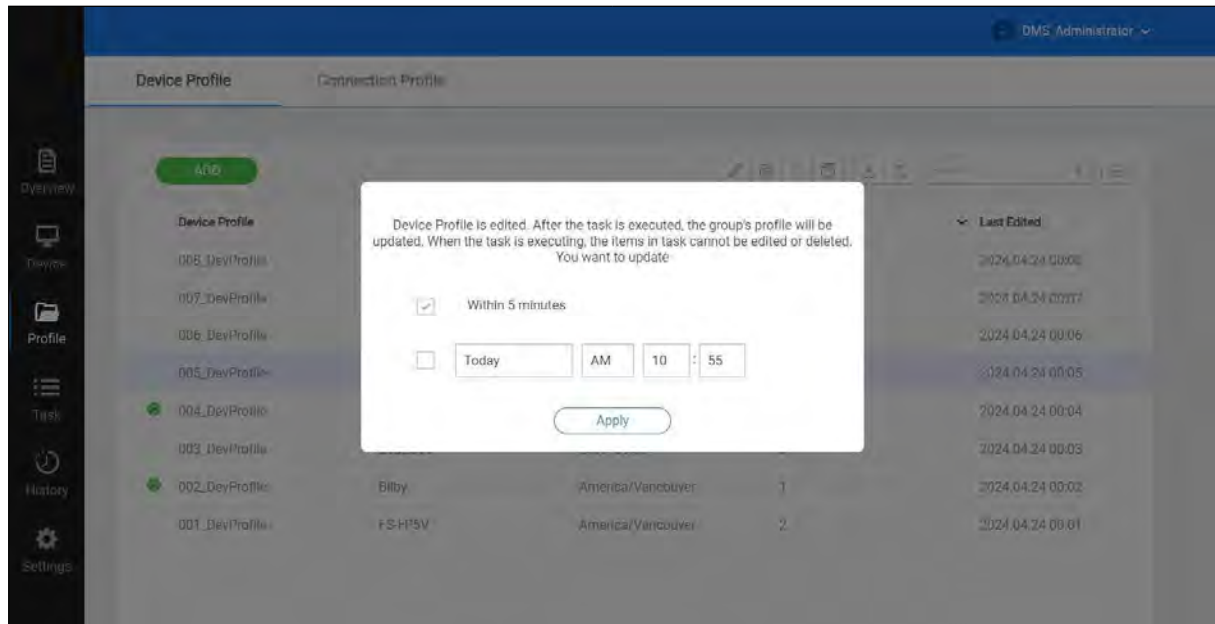


Figure 79 Task scheduling for an edited device profile

If a device profile is applied to one or more groups, and there is no group in performing a task, DMS will display new task scheduling after completing device profile editing. The task must be added and executed. Performing the task will apply the changed device profile to all devices in the group(s).

You can execute the task within 5 minutes or in the future by specifying the date and time. The date can only be configured as Today or Tomorrow. Once you complete the setting, click the **Apply** button to save the changes and close the window.

The new task is displayed in the Task list with a name format of sTask_D9999 (9999 is a randomly generated sequence number). A task of changing device profile or connection profile cannot be edited or deleted.

(4) Delete Device Profile

You can only delete a device profile which is not assigned to any group. When a device profile is assigned to a group, you can only view the device profile information.

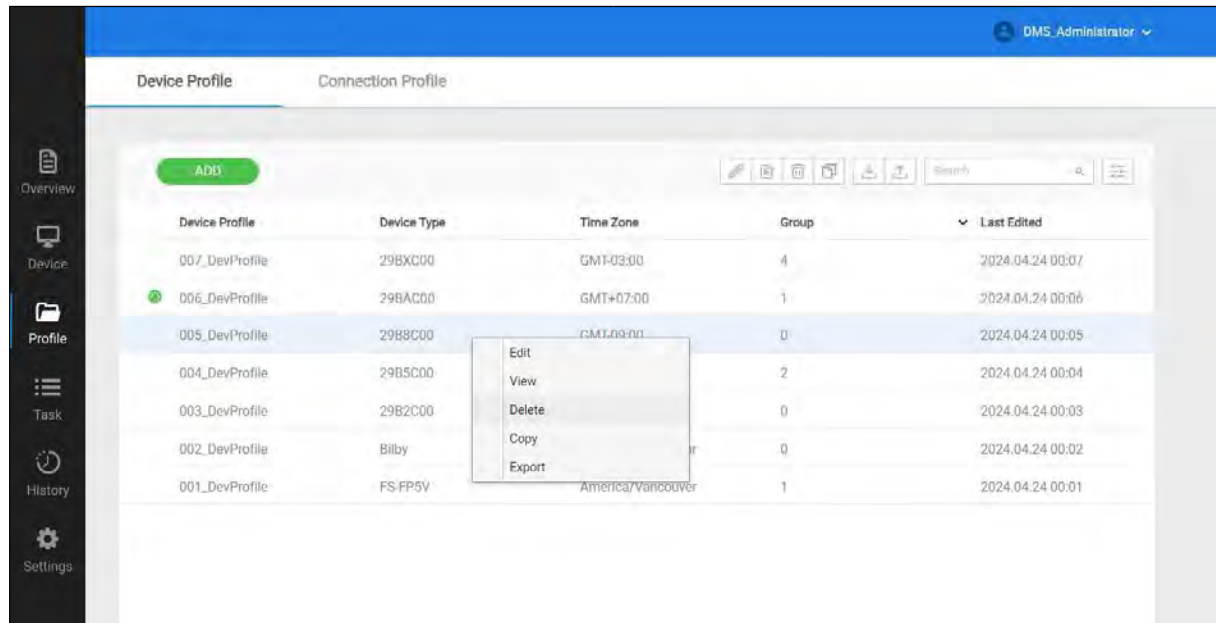



Figure 80 Delete Device Profile

Choose a device profile from the list and click the delete icon  in the toolbar to delete the selected device profile. You can also right-click a device profile from the list to show the **Delete** option.

A confirmation dialogue appears. Click **Cancel** to leave the window without changes or click **Delete** to confirm the deletion.

(5) Export Device Profile

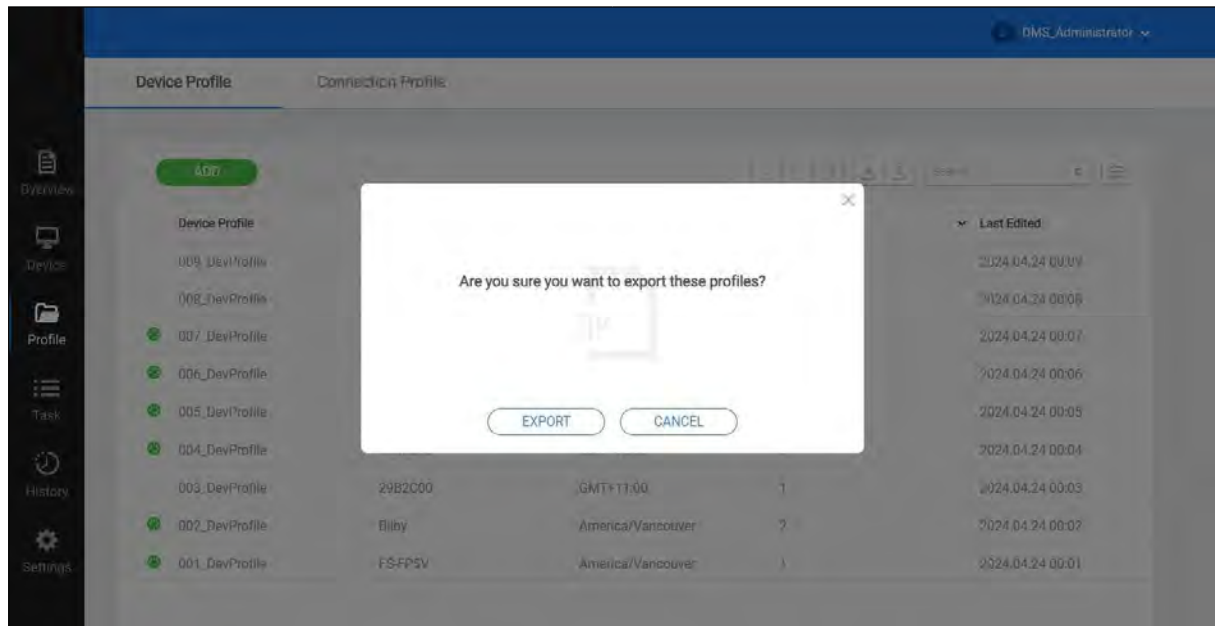



Figure 81 Export Device Profile Confirmation Window

Choose one or multiple device profiles from the device profile list to export the data. Click the export icon  in the toolbar or click **Export** from the shortcut list to export device profile data.

If you didn't click and choose any device profile from the list, it exports all device profile data; if you click and choose a specific device profile from the list, it exports the selected device profile data.

Click **CANCEL** to leave the export window without changes.
Click **EXPORT** to export device profile data. Depending on your browser setting, a window may appear for you to choose the export file location, or the file is exported directly to an assigned download location. If there is any error happening during exporting process, it shows error message.



Figure 82 Export Device Profile Data

The exported format is a compressed file with a file name

DMS DeviceProfile yyyyymmdd hhmmss.zip ("DMS DeviceProfile": fixed characters,

“yyyymmdd”: exported year/month/day, “hhmmss”: exported time – hour/minute/second).

The compressed file includes text files.

The item or data is displayed with quotation marks (" "). Two values are separated with a comma (","). If not specified otherwise, please do not change exported contents, so as to avoid any importing error.

(6) Import Device Profile

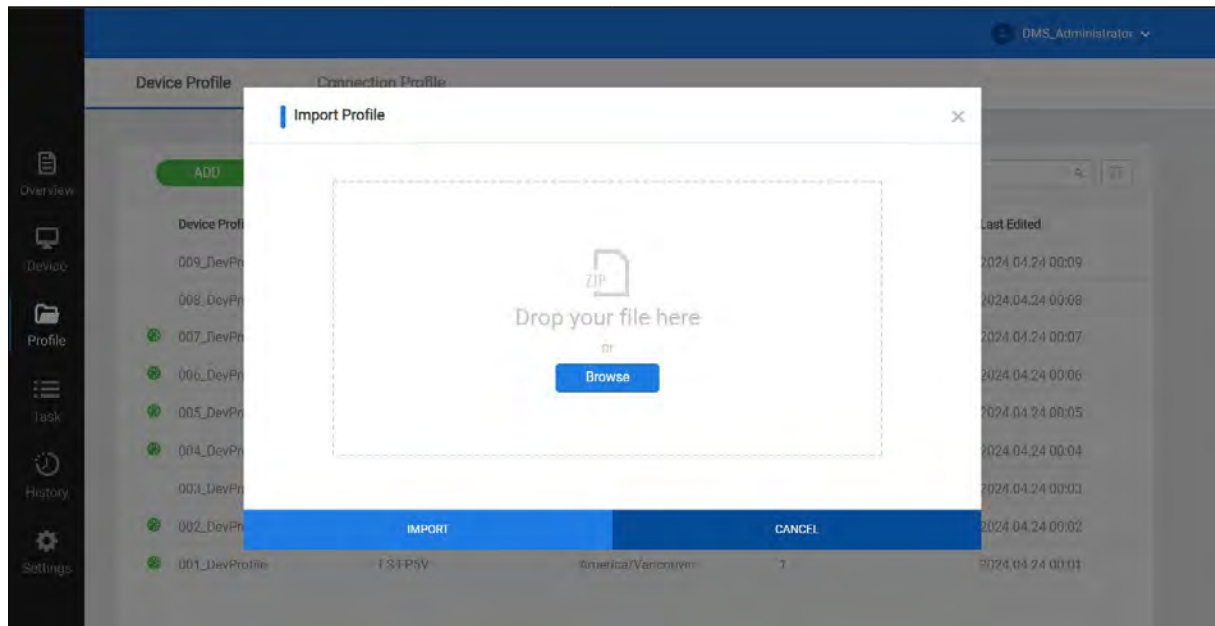



Figure 83 Import Device Profile

In Device Profile main window, click the import icon  in the toolbar to import device profile data. You can drag the file here or click **Browse** and choose the file (*.zip) you want to import. You can only import one file at a time.

Click **CANCEL** to leave the import window without changes.

Click **IMPORT** to import device profile data and then leave the window. If there is any error happening during importing process, it shows error message. You can download and view the error report.

(7) Copy Device Profile

Figure 84 Copy Device Profile

In Device Profile main window, select a device profile item that you want to copy and click the copy icon ^{Figure 59} in the toolbar or click **Copy** from the shortcut list to copy device profile data.

The fields and settings on the screen are all copied from the source's device profile data. You can edit these settings except "**Device Type**", which must be the same as the source's device type.

Click **COPY** to save data and leave the window. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.

Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state.

Click **CANCEL** to leave the copy device profile window without changes.

3.6.2 Connection Profile


Connection Profile	Device Type	Group	Connection	Last Edited
007_ConnProfile	29BXC00	1	5	2024.04.24 00:07
006_ConnProfile	29BAC00	3	6	2024.04.24 00:06
005_ConnProfile	29B8C00	1	3	2024.04.24 00:05
004_ConnProfile	29B5C00	4	10	2024.04.24 00:04
003_ConnProfile	29B2C00	1	11	2024.04.24 00:03
002_ConnProfile	Bilby	3	3	2024.04.24 00:02
001_ConnProfile	FS-FP5V	0	1	2024.04.24 00:01


Figure 85 Connection Profile


Click **Profile** in the left side of the screen. Then click **Connection Profile** page to show connection profile items.

The list shows all created connection profiles, including each connection profile's name, device type, group number, connection number, and the last edited time. The list defaults to the descending order of "Last Edited Time", and the last edited item will be displayed first.


You can view, add, edit, copy, or delete a connection profile.

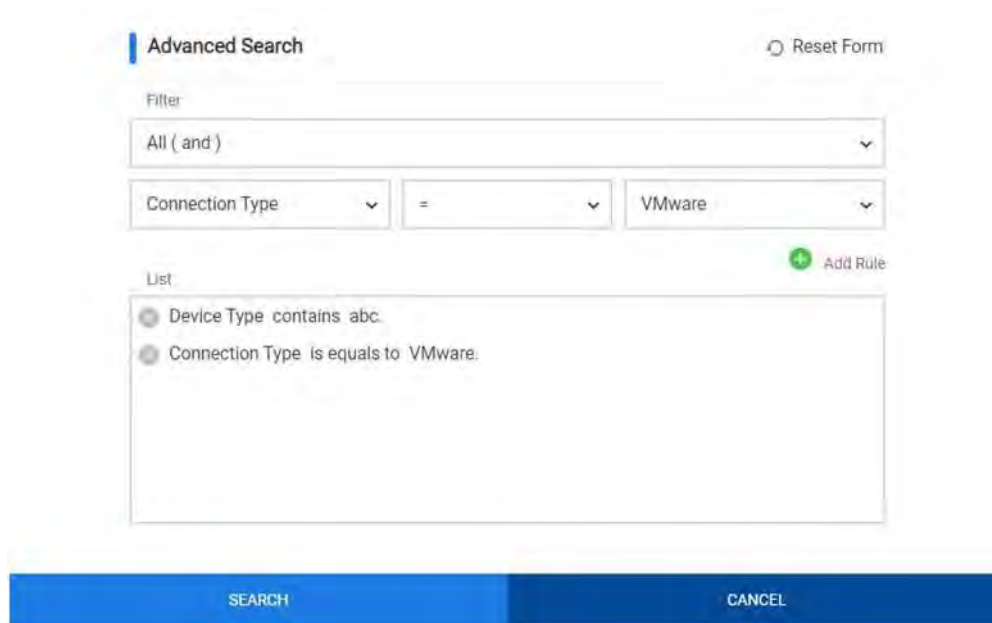
If there is a scheduled profile task being executed, an icon  will be displayed on the left, and when the mouse is moved to the top, a prompt message "Task is running" will be displayed.

In search field , you can search any data that meets your search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.


Click the advanced search icon  to show advanced search screen. You can define search criteria to find particular data in connection profile screen.

After choosing the criteria (e.g. Device Type, Connection Profile, Connection, Connection Type, Description, Used Group, Create User and Create Time) you want to use and entering your search words, click the add rule icon

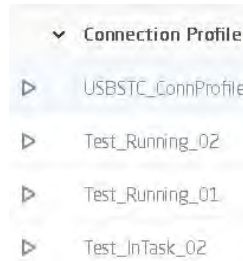
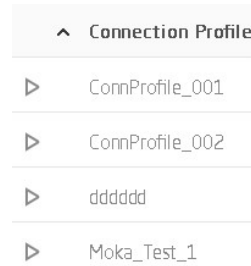
 to add rule in search list. You can add one or several search criteria. After completing the setting, click **SEARCH** to start data searching; click **CANCEL** to close search screen and go back to connection profile screen.



Click the import icon  in the toolbar to import the connection profile.

Click the export icon  in the toolbar to export connection profile. If you didn't choose any connection profile from the list, it exports all connection profiles. If a specific connection profile is selected, it exports the selected data.

Click each column header to sort the data in order of letter or number.



Sort data in ascending order

or descending order

Choose a connection profile in the page and click a toolbar icon at the top of the window



to edit, view, delete, or copy a connection profile.







- Click the edit icon  in the toolbar to edit a connection profile configuration.
- Click the view icon  in the toolbar to view connection profile information.
- Click the delete icon  in the toolbar to delete a connection profile. Click the copy icon  in the toolbar to copy a connection profile.
- Click the expand icon  in the toolbar to expand and show applied connection profiles and the relating connection information.
- Click the collapse icon  in the toolbar to collapse the expanded connection profile list and its relating connection information.

Figure 59

Right-click a connection profile from the list and it will show a shortcut of editing, viewing, deleting, or copying a connection profile, which is the same as the icons in the toolbar.

You can choose one or more connection profiles at the same time. The active functions (i.e. isn't grayed out) in the toolbar or the shortcut list are different in accordance with different choices and applied group states.

(1) Add Connection Profile

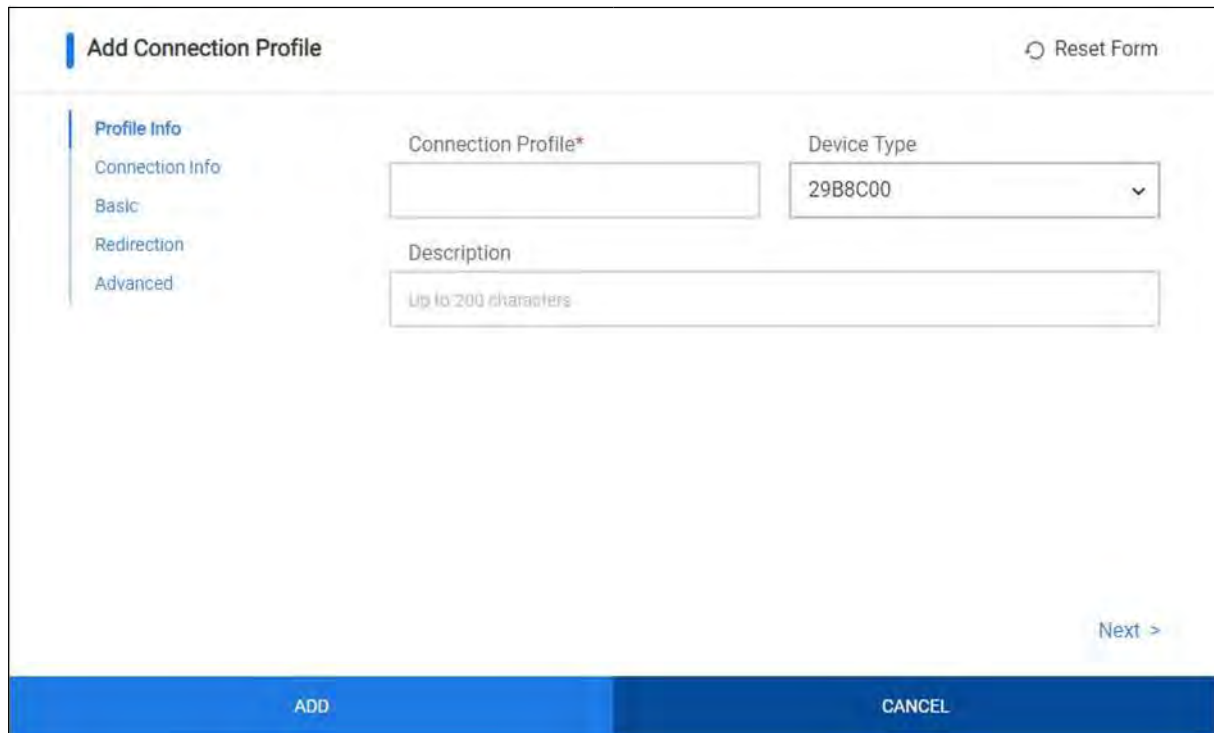



Figure 86 Add Connection Profile – Profile Info

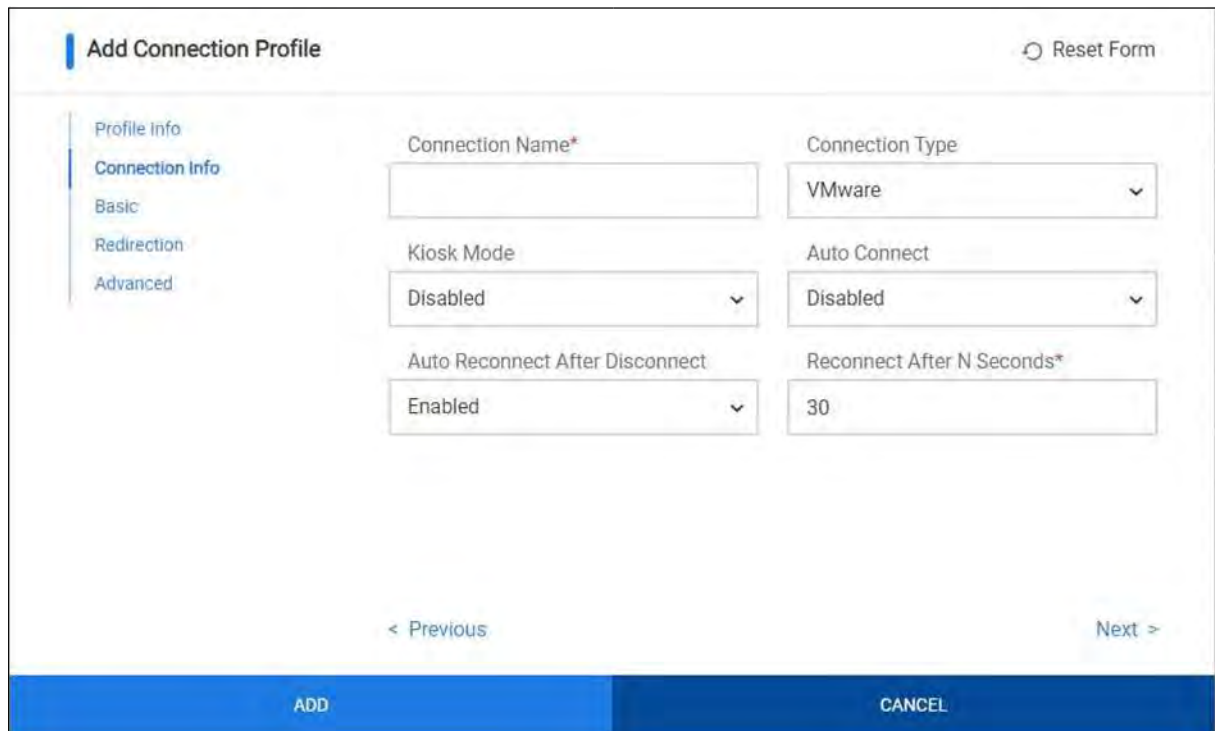
Click the ADD icon  in Connection Profile page to create a new connection profile.

The window will show different configuration content according to the selected **Device Type**. Here uses device type “29B8C00” as the example. Click **Profile Info** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured. If a device type has been established and existed in DMS, it will be displayed in the field in sequence.

- Connection Profile: You must configure the connection profile name.
The length of the name field is 20 characters.
- Device Type: Select a device type from the drop-down list. This field must be filled in. The drop-down list is generated when a device is registered to the DMS server or the model name passed through Anyware Trust Center.

- Description: Lets you enter the connection profile description. The length of the description is 200 characters. This field is optional.
- Click **Next >** or the **Connection Info** tab on the left to move to the next setting page.
- Click **ADD** to add the new connection profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state.
- Click **CANCEL** to restore your previous settings and leave the page.



The screenshot shows the 'Add Connection Profile' form with the 'Connection Info' tab selected. The form contains the following fields and options:

- Connection Name***: A text input field.
- Connection Type**: A dropdown menu with 'VMware' selected.
- Kiosk Mode**: A dropdown menu with 'Disabled' selected.
- Auto Connect**: A dropdown menu with 'Disabled' selected.
- Auto Reconnect After Disconnect**: A dropdown menu with 'Enabled' selected.
- Reconnect After N Seconds***: A text input field with the value '30'.

Navigation and action buttons are located at the bottom of the form:

- < Previous**: A button to navigate to the previous tab.
- Next >**: A button to navigate to the next tab.
- ADD**: A button to save the profile.
- CANCEL**: A button to cancel the operation.

Figure 87 Add Connection Profile – Connection Info

When adding a connection profile, it is required to fill in the connection info. Click **Connection Info** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.



- **Connection Name:** You must configure the connection name. The length of the name field is 20 characters.
- **Connection Type:** Select a connection type from the drop-down list - VMware, Citrix, RDP, and PCoIP. The list shows different configuration content according to the selected device type. This field must be chosen.
- **Kiosk Mode:** Select Disabled or Enabled from the drop-down list to configure Kiosk mode. This field must be chosen.
- **Auto Connect:** Select Disabled or Enabled from the drop-down list to configure automatic connection. When Kiosk mode is enabled, this field is read only. This field must be chosen.
- **Auto Reconnect After Disconnect:** Select Disabled or Enabled from the drop-down list to configure automatic reconnection. When Kiosk mode is enabled, this field is read only. This field must be chosen.
- **Reconnect After N Seconds:** When selecting *Enabled* in field "Auto Reconnect After Disconnect", this setting appears for you to configure a value between 1 and 3600 (seconds). This field must be configured.
- Click **Next >** or **Basic** tab on the left to move to the next setting page.
- Click **< Previous** or the **Profile Info** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new connection profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

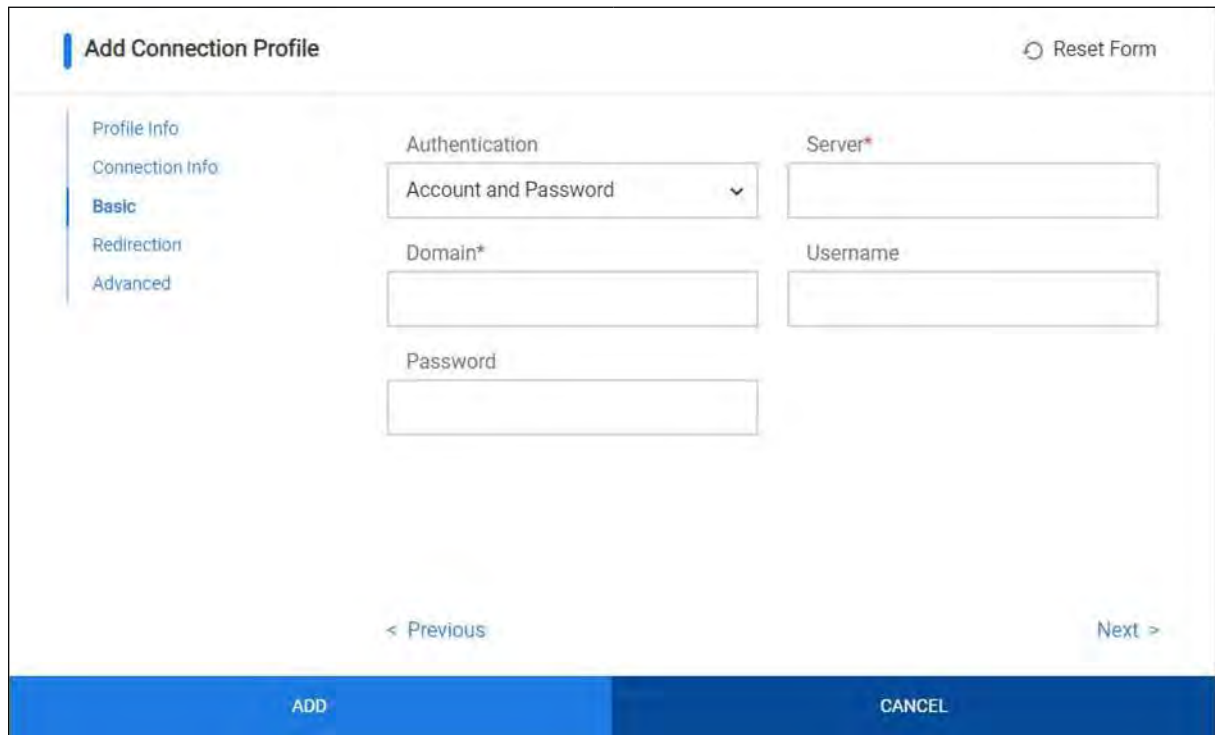




Figure 88 Add Connection Profile – Basic (VMware)

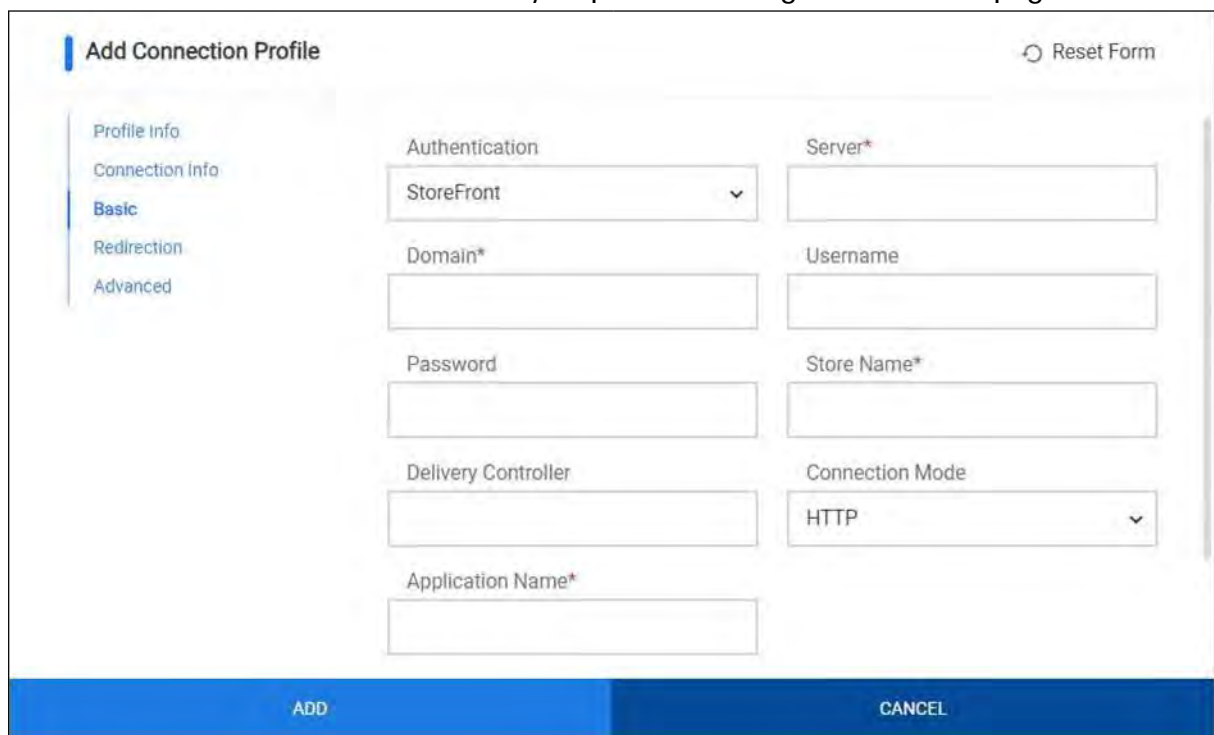
When you choose **VMware** in Connection Info -> Connection Type, the Basic setting window allows you to configure basic connection information:

authentication method, server address, domain, user name and password. Click **Basic** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Authentication: Choose Account and Password or Smart Card from the drop-down list.
- Server: Configure server address. This field must be filled in. Space is not allowed in server address field.
- Domain: Configure the server domain name when you choose Account and Password in Authentication. This field must be filled in.
Space is not allowed in domain name.

- Username: When you choose Account and Password in Authentication, enter connection user name if you would like to configure this setting in advance.
- Password: When you choose Account and Password in Authentication, enter connection password if you would like to configure this setting in advance. After clicking the field, you can edit the password and display the password icon. Click the Show Password icon  to display the data in the password field; click the Hide Password icon  to hide the data in the password field.
- Click **Next >** or the **Redirection** tab on the left to move to the next setting page.
- Click **< Previous** or the **Connection Info** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new connection profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.



Add Connection Profile Reset Form

Profile Info
Connection Info
Basic
Redirection
Advanced

Authentication: StoreFront

Domain*

Password

Delivery Controller

Application Name*

Server*

Username

Store Name*

Connection Mode: HTTP

ADD **CANCEL**

Figure 89 Add Connection Profile – Basic (Citrix)



When you choose **Citrix** in Connection Info -> Connection Type, the Basic setting window allows you to configure basic connection information. Click **Basic** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Authentication: Choose StoreFront, Web or Smart Card from the drop-down list.
- When you choose **StoreFront** in Authentication, these fields are displayed for you to configure: server, domain, username, password, store name, delivery controller, connection mode, and application name

The screenshot shows a configuration window with the following fields:

Authentication StoreFront	Server*
Domain*	Username
Password	Store Name*
Delivery Controller	Connection Mode HTTP
Application Name*	

- When you choose **Web** in Authentication, the field of URL is displayed for you to configure:

The screenshot shows a configuration window with the following fields:

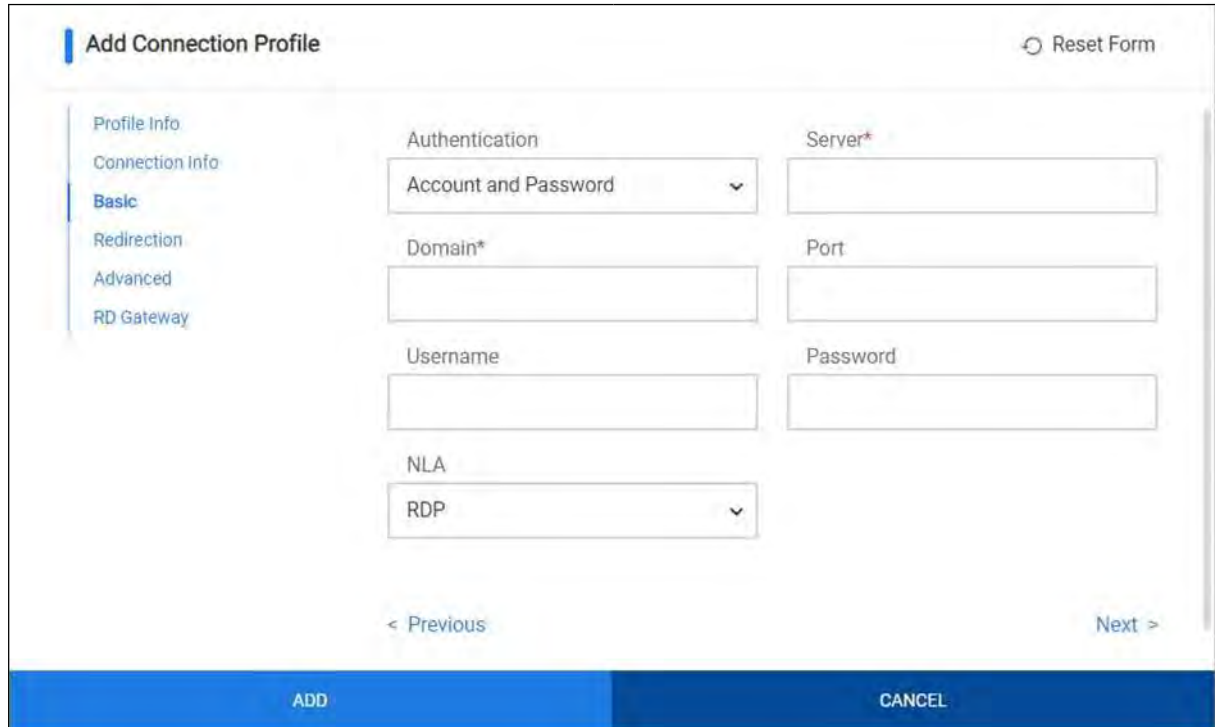
Authentication Web	URL
-----------------------	-----

- When you choose **Smart Card** in Authentication, these fields are displayed for you to configure: server, store name, delivery controller, application name, smart card driver, and smart card removal action.



Authentication	Server*
Smart Card	
Store Name*	Delivery Controller
Connection Mode	Application Name*
HTTPS	
Smart Card Driver	Smart Card Removal Action
Default	No Action

- Click **Next >** or the **Redirection** tab on the left to move to the next setting page.
- Click **< Previous** or the **Connection Info** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new connection profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.



The screenshot shows the 'Add Connection Profile' window with the 'Basic' tab selected. The left sidebar contains links for Profile Info, Connection Info, Basic, Redirection, Advanced, and RD Gateway. The main area contains the following fields:

- Authentication:** A dropdown menu set to 'Account and Password'.
- Server*:** A text input field for the server address.
- Domain*:** A text input field for the domain name.
- Username:** A text input field for the username.
- Password:** A text input field for the password.
- NLA:** A dropdown menu set to 'RDP'.

At the bottom, there are navigation buttons: '< Previous', 'Next >', 'ADD', and 'CANCEL'.

Figure 90 Add Connection Profile – Basic (RDP)

When you choose **RDP** in Connection Info -> Connection Type, the Basic setting window allows you to configure basic connection information:



authentication method, server address, domain, user name, password, and NLA. Click

Basic or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Authentication:** Choose Account and Password or Smart Card from the drop-down list.
- **Server:** Configure server address. This field must be filled in. Space is not allowed in server address field.
- **Domain:** Configure the server domain name when you choose Account and Password in Authentication. This field must be filled in.
Space is not allowed in domain name.
- **Port:** Configure the port. This field must be filled in.



- Username: When you choose Account and Password in Authentication, enter connection user name if you would like to configure this setting in advance.
- Password: When you choose Account and Password in Authentication, enter connection password if you would like to configure this setting in advance. After clicking the field, you can edit the password and display the password icon. Click the Show Password icon  to display the data in the password field; click the Hide Password icon  to hide the data in the password field.
- NLA (Network Level Authentication): Select RDP, TLS, or NLA from the drop-down list. When **Smart Card** is selected in Authentication, NLA will be forced as TLS.
- Click **Next >** or the **Redirection** tab on the left to move to the next setting page.
- Click **< Previous** or the **Connection Info** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new connection profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

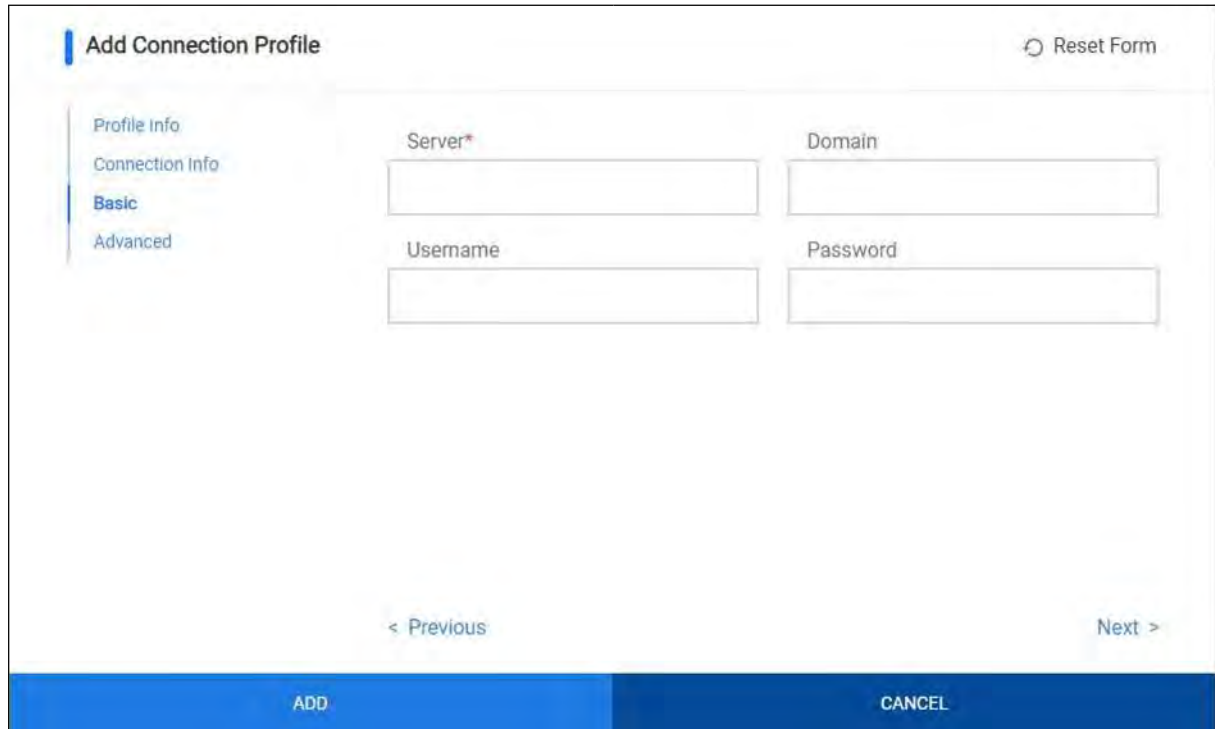




Figure 91 Add Connection Profile – Basic (PCoIP)

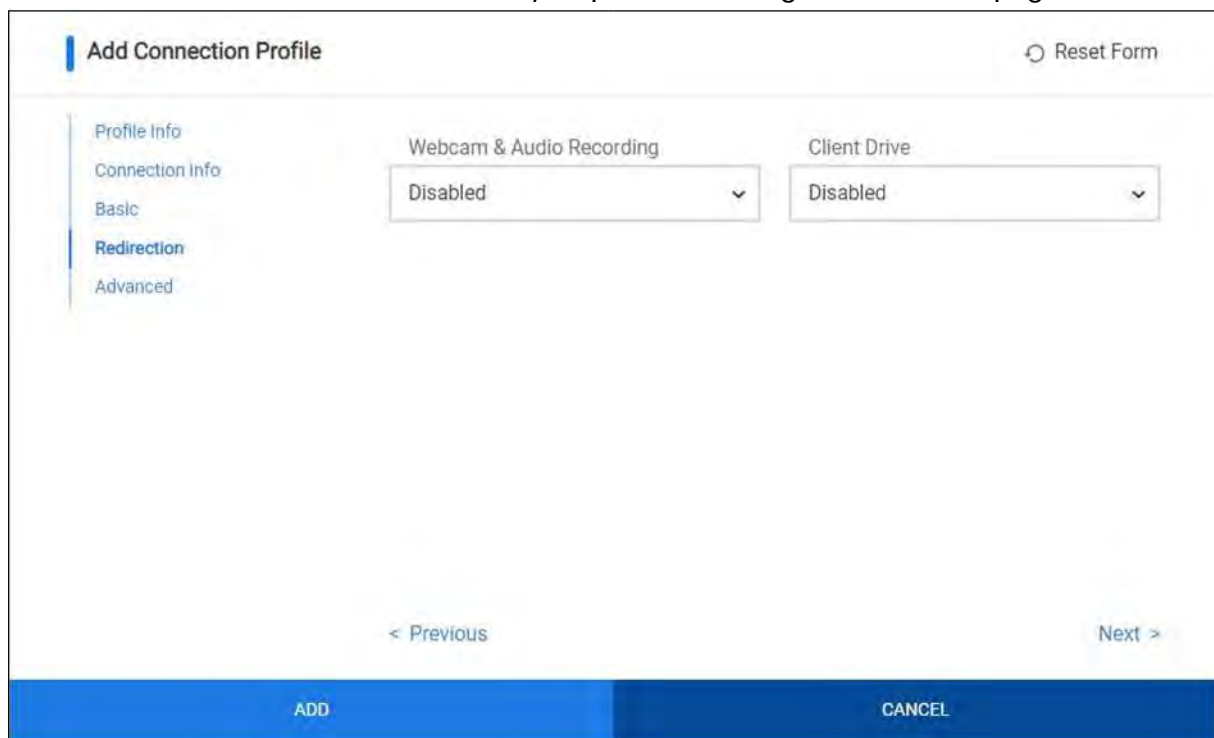
When you choose **Teradici PCoIP** in Connection Info -> Connection Type, the Basic setting window allows you to configure server address. Click **Basic** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Server:** Configure server address. This field must be filled in. Space is not allowed in server address field.
- **Domain:** Configure the server domain name if you would like to set up an automatic connection.
- **Username:** Enter connection user name if you would like to set up an automatic connection.
- **Password:** Enter connection password if you would like to set up an automatic connection. After clicking the field, you can edit the password and display the password icon. Click the Show Password icon  to display the data in the

password field; click the Hide Password icon  to hide the data in the password field.

- Click **Next >** or the **Redirection** tab on the left to move to the next setting page.
- Click **< Previous** or the **Connection Info** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new connection profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.



The screenshot shows the 'Add Connection Profile' window with the 'Redirection' tab selected. On the left, a sidebar lists 'Profile Info', 'Connection Info', 'Basic', 'Redirection', and 'Advanced'. The main area contains two dropdown menus: 'Webcam & Audio Recording' and 'Client Drive', both currently set to 'Disabled'. At the bottom, there are four buttons: '< Previous', 'Next >', 'ADD', and 'CANCEL'. A 'Reset Form' icon is located in the top right corner.

Figure 92 Add Connection Profile - Redirection

When you choose **Teradici PCoIP** in Connection Info -> Connection Type, this page is not displayed. When you choose **VMware** in Connection Info -> Connection Type, the Redirection setting window allows you to configure webcam & audio recording and client drive device redirection.



Webcam & Audio Recording	Client Drive
Disabled ▼	Disabled ▼

When you choose **Citrix** or **RDP** in Connection Info -> Connection Type, the Redirection setting window allows you to configure webcam & smart card, client drive, and serial port device redirection.

Webcam	Smart Card
Disabled ▼	Disabled ▼
Client Drive	Serial Port
Disabled ▼	Disabled ▼

- Click **Next >** or the **Advanced** tab on the left to move to the next setting page.
- Click **< Previous** or the **Basic** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new connection profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

Add Connection Profile Reset Form

Profile Info
Connection Info
Basic
Redirection
Advanced

Protocol: VMware Blast

Preferences of unverifiable connection: Allow

In Session Toolbar: Hide

Ctrl+Alt+Del Confirm Dialog: Disabled

Sharing Folder: Enabled

[< Previous](#)

ADD **CANCEL**

Figure 93 Add Connection Profile - Advanced

When you choose **VMware** in Connection Info -> Connection Type, the Advanced setting window allows you to configure advanced settings: protocol, preferences of unverifiable connection, in session toolbar, Ctrl+Alt+Del confirm dialog, and sharing folder. When Kiosk mode is enabled, in-session toolbar will be set as *Hide*, which can't be changed.

Protocol: VMware Blast

Preferences of unverifiable connection: Allow

In Session Toolbar: Hide

Ctrl+Alt+Del Confirm Dialog: Disabled

Sharing Folder: Enabled

When you choose **Citrix** in Connection Info -> Connection Type, the Advanced setting window allows you to configure advanced settings: in session toolbar.

In Session Toolbar: Hide



When you choose **RDP** in Connection Info -> Connection Type, the Advanced setting window allows you to configure advanced settings: remote application, auto reconnect, speed level, sound, encryption level, wallpaper, font smooth, RemoteFX, window content, keyboard event, compression, and low bandwidth.

Remote Application	Auto Reconnect
<input type="text"/>	Disabled <input type="button" value="v"/>
Speed Level	Sound
Auto <input type="button" value="v"/>	Local <input type="button" value="v"/>
Encryption Level	Wallpaper
None <input type="button" value="v"/>	Enabled <input type="button" value="v"/>
Font Smooth	RemoteFX
Disabled <input type="button" value="v"/>	Disabled <input type="button" value="v"/>
Window Content	Keyboard Event
Disabled <input type="button" value="v"/>	Enabled <input type="button" value="v"/>
Compression	Low Bandwidth
Enabled <input type="button" value="v"/>	Disabled <input type="button" value="v"/>

When you choose **Teradici PCoIP** in Connection Info -> Connection Type, the Advanced setting window allows you to configure preferences of unverifiable connection, PCoIP high performance client, and PCoIP codec indicator settings..

Preferences of unverifiable connection	PCoIP High Performance Client
Warn but allow <input type="button" value="v"/>	Enabled <input type="button" value="v"/>
PCoIP Codec Indicator	
Enabled <input type="button" value="v"/>	

- Click **< Previous** or the **Redirection** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new connection profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

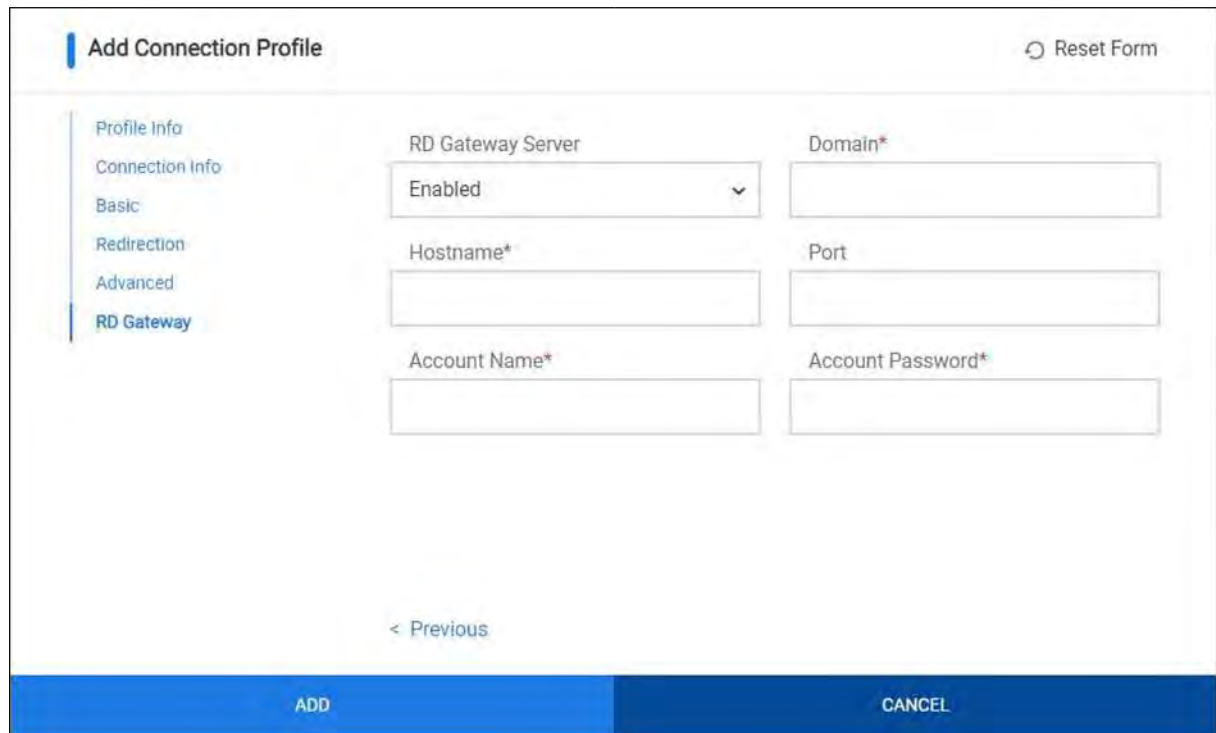




Figure 94 Add Connection Profile – RD Gateway (RDP)

When you choose **RDP** in Connection Info -> Connection Type, the RD Gateway setting allows you to configure your Remote Desktop Gateway server: domain, hostname, port, account name, and account password. Click **RD Gateway** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- RD Gateway Server: Choose Disabled or Enabled from the drop-down list.
- Domain: Configure the server domain name when you enable RD Gateway Server. This field must be filled in. Space is not allowed in domain name.



- Hostname: Configure server hostname. This field must be filled in.
Space is not allowed in server address field.
- Port: Configure the port. This field is optional.
- Account Name: Enter the account name. This field must be filled in.
Space is not allowed in account name.
- Account Password: Enter the account password. This field must be filled in.
Space is not allowed in password. After clicking the field, you can edit the password and display the password icon  to display the data in the password field; click the Hide Password icon  to hide the data in the password field.
- Click **< Previous** or the **Advanced** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new connection profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

(2) View Connection Profile

Connection Profile	Device Type
005_ConnProfile	29B8C00


Description
Test Description -- Connection Profile : 5

Group Name (0)	Connection
No Group Data	10

Create Time	Edit Time
2024.04.24 00:05 by 0006	2024.04.24 00:05 by 0006




EDIT CANCEL

Figure 95 View Connection Profile - 1

Choose a connection profile from the list and click the view icon  in the toolbar to view connection profile configuration information. You can also right click a connection profile from the list to show the **View** option.

The window will show different configuration content according to the selected **Device Type**. Here uses device type “29B8C00” as the example.

The window shows connection profile information, including connection profile name, device type, description, applied group number and list, connection number, added and edited date.

- If a connection profile is applied to a group, a message **This item is used by group.** is displayed. Click the Expand icon  to expand and show applied group list. Click the Leave icon  to collapse the expanded group list.
- Click **EDIT** to enter the connection profile editing window.
Click **CANCEL** to close and return to connection profile window.
- Click the **Delete Item** icon  **Delete Item** to delete the connection

profile item. If the item was applied to a group, you are not allowed to delete it.

View Connection Profile
Delete Item

This item is used by group...
This item is included in processing tasks.


Profile Info

Connection Profile	Device Type
005_ConnProfile	29B8C00
Description	
Test Description - Connection Profile : 5	
Group Name (4)	Connection
001_DevGroup...	8
Create Time	Edit Time
2024.04.24 00:05 by 0010	2024.04.24 00:05 by 0010

EDIT
CANCEL

Figure 96 View Connection Profile - 2

If the viewed connection profile is processing tasks, it will show **This item is included in processing tasks**. You can only view the processing task details but cannot edit or delete it.

If a profile is applied to a group, a message **This item is used by group**. is displayed. Click the Expand icon  to expand and show applied group list.

Click the Leave icon  to collapse the expanded group list.


Click **CANCEL** to close the view page.

(3) Edit Connection Profile


You can only edit a connection profile which is not performing a task. If a connection profile is applied to one or more groups, and there is no group in performing a task, DMS will display the new task in Task window after adding or editing a connection data in a

connection profile. Performing the task will apply the changed connection profile to all devices in the group(s).

Figure 97 Edit Connection Profile

Choose a connection profile from the list and click the edit icon  in the toolbar to edit connection profile configuration. You can also right-click a connection profile from the list to show the **Edit** option.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Connection Profile: You must configure the connection profile name.
The length of the name field is 20 characters.
- Device Type: This field is read only and cannot be modified.
Description: Lets you enter the connection profile description. The length of the description is 200 characters. This field is optional.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  to reset the page content

- back to the unedited state.
- Click **CANCEL** to restore your previous settings and return to the connection profile window.

(4) Delete Connection Profile

You can only delete a connection profile which is not assigned to any group. When a connection profile is assigned to a group, you can only view the connection profile information.

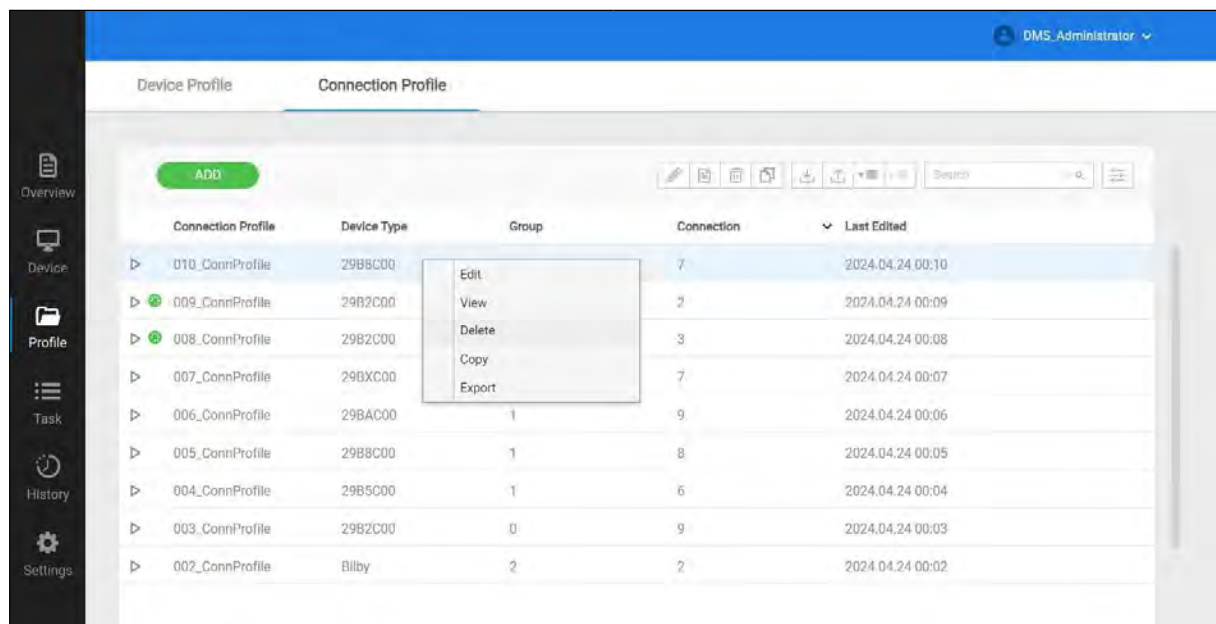


Figure 98 Delete Connection Profile

Choose a connection profile from the list and click the delete icon in the toolbar to delete the selected connection profile. You can also right-click a connection profile from the list to show the **Delete** option.

A confirmation dialogue appears. Click **Cancel** to leave the window without changes or click **Delete** to confirm the deletion.

(5) Connections in Connection Profile

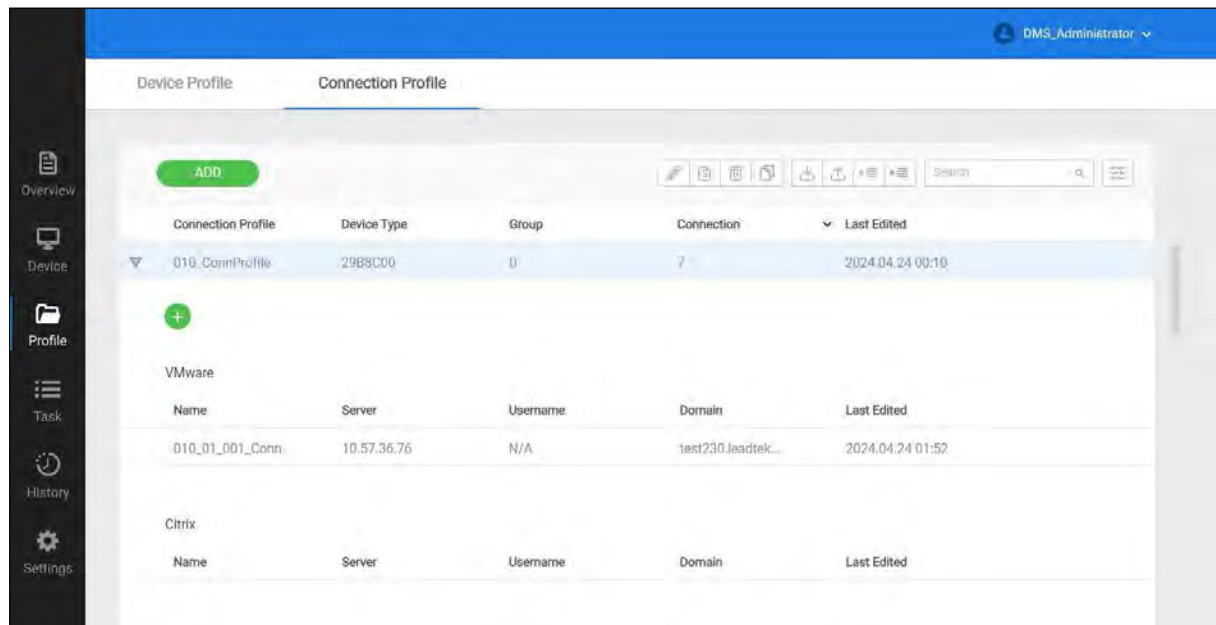



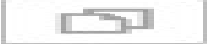






Figure 99 Expand Connection Profile information

Choose a connection profile from the list. Double-click left mouse button or click the icon  on the left to expand and show the connection profile list. Double click left mouse button again or click the icon  on the left to collapse the expanded connection profile list.

Connection profile list shows the details of connection information in the profile, including each connection's type (e.g. VMware, Citrix, RDP, or Teradici PCoIP), corresponding connection name, server address, user name, domain name, and the last edited time.

Click the add icon  in an expanded connection profile to add a new connection in the connection profile.

Choose a connection item in the list and click a toolbar icon at the top of the window  to edit, view, delete, and copy data.

- Click the edit icon  in the toolbar to edit connection data.
- Click the view icon  in the toolbar or click the left mouse button twice to view connection data.
- Click the delete icon  in the toolbar to delete connection data.
- Click the copy icon  in the toolbar to copy connection data. When copying connection data, you can either generate a new connection profile or select an existing connection profile.

Right-click a connection item from the list and it will show a shortcut list of editing, viewing, deleting, or copying connection data, which is the same as the icons in the toolbar.

RDP

Name	Server	User Name	Domain	Last Edited
014_01_003_Conn	105.19.230.76	acc2519	105.19.230.76	2020.08.11 02:23
014_01_002_Conn	139.26.56.150	acc3114		2020.08.11 02:22
014_01_001_Conn	34.20.76.211	acc6677		2020.08.11 02:21

Edit
View
Delete
Copy


Create New Profile
Select One Profile

You can choose one or more connection items in a connection profile. The active functions (i.e. isn't grayed out) in the toolbar or the shortcut list are different in accordance with different choices and applied group states.

The screenshot shows the 'View Connection' window with the following details:

View Connection		Delete Item
Connection Info		
Connection Name	010_01_001_Conn	
Connection Type	VMware	
Kiosk Mode	Auto Connect	
Enabled	Disabled	
Auto Reconnect After Disconnect	Create Time	
Disabled	2024.04.24 01:52 by 40	
Edit Time	2024.04.24 01:52 by 40	
Next >		
EDIT		CANCEL

Figure 100 View Connection – Connection Info

Choose a connection item from the list and click the view icon  in the toolbar or click the left mouse button twice to view connection configuration information. You can also right-click a connection item from the list to show the **View** option.

The window will show different configuration content according to the selected **Connection Type**. Here uses connection type “VMware” as the example.

The window shows profile information, including connection name, connection type, added and edited date.


- Click **Next >** or the **Basic** tab on the left to move to the next setting page.
- Click **EDIT** to enter the connection editing window.
- Click **CANCEL** to close and return to connection window.
- Click the **Delete Item** icon  **Delete Item** to delete the connection item. If the item was applied to a group, at least one connection must be retained.

Figure 101 View Connection - Basic

The window will show configuration content of basic settings.

- Click **Next >** or the **Redirection** tab on the left to move to the next setting page.
- Click **< Previous** or the **Connection Info** tab on the left to move back to the previous setting page.
- Click **EDIT** to enter the connection editing window.
- Click **CANCEL** to close and return to connection window.
- Click the **Delete Item** icon **Delete Item** to delete the connection item. If the item was applied to a group, at least one connection must be retained.

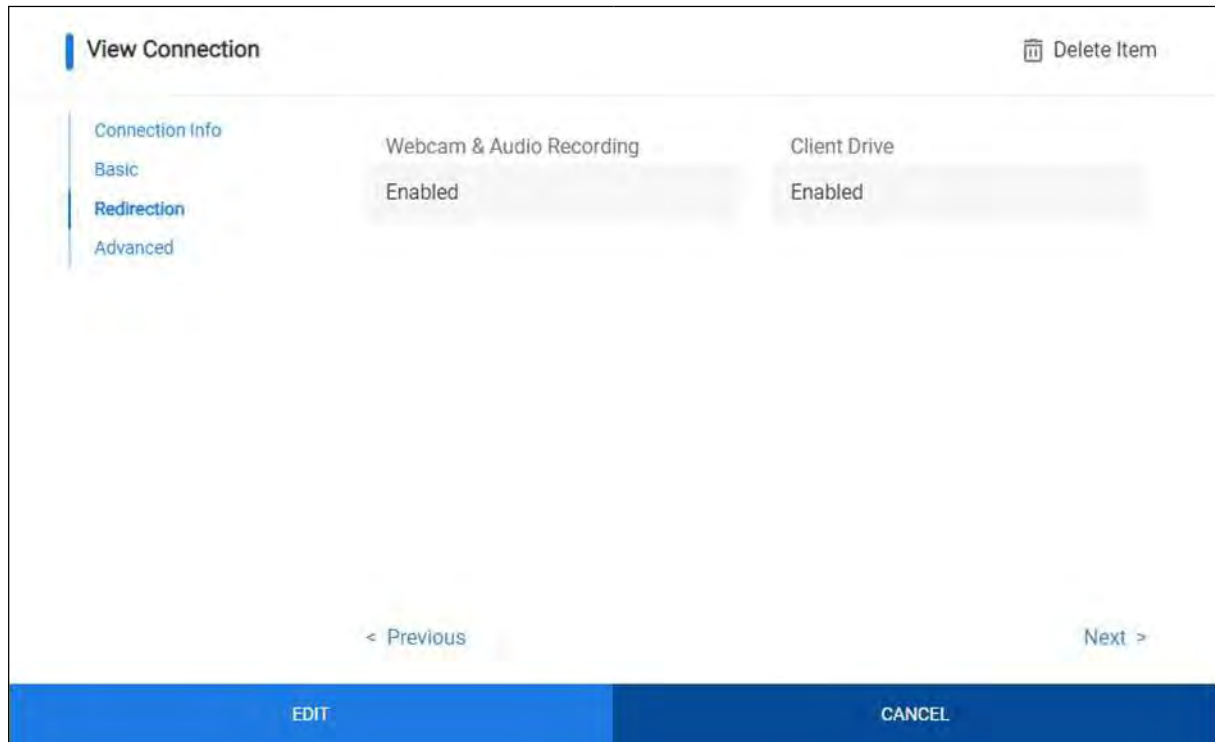



Figure 102 View Connection - Redirection

The window will show configuration content of redirection settings.

- Click **Next >** or the **Advanced** tab on the left to move to the next setting page.
- Click **< Previous** or the **Basic** tab on the left to move back to the previous setting page.
- Click **EDIT** to enter the connection editing window.
- Click **CANCEL** to close and return to connection window.
- Click the **Delete Item** icon  **Delete Item** to delete the connection item. If the item was applied to a group, at least one connection must be retained.

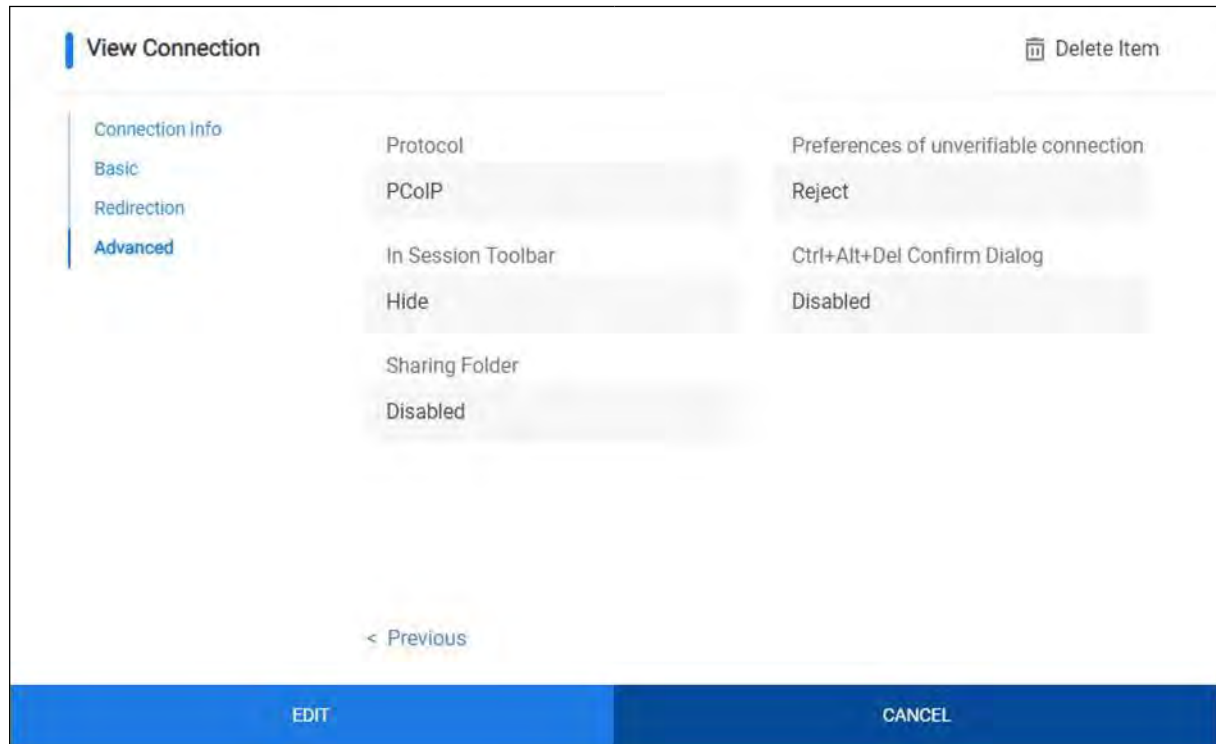



Figure 103 View Connection - Advanced

The window will show configuration content of advanced settings.

- Click **< Previous** or the **Redirection** tab on the left to move back to the previous setting page.
- Click **EDIT** to enter the connection editing window.
- Click **CANCEL** to close and return to connection window.
- Click the **Delete Item** icon **Delete Item** to delete the connection item. If the item was applied to a group, you are not allowed to delete it.

Figure 104 Edit Connection – Connection Info

Choose a connection item from the list and click the edit icon  in the toolbar to edit connection configuration information. You can also right-click a connection item from the list to show the **Edit** option.

The window will show different configuration content according to the selected **Connection Type**. Here uses connection type “VMware” as the example.

Click **Connection Info** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Connection Name: You must configure the connection name. The length of the name field is 20 characters.
- Connection Type: This field is read only and cannot be modified.



- Kiosk Mode: Select Disabled or Enabled from the drop-down list to configure Kiosk mode. This field must be chosen.

Auto Connect: Select Disabled or Enabled from the drop-down list to configure automatic connection. This field must be chosen.



Auto Reconnect After Disconnect: Select Disabled or Enabled from the drop-down list to configure automatic reconnection. This field must be chosen.

- Reconnect After N Seconds: When selecting *Enabled* in field "Auto Reconnect After Disconnect", this setting appears for you to configure a value between 1 and 3600 (seconds). This field must be configured. Click **Next >** or **Basic** tab on the left to move to the next setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the unedited state.
- Click **CANCEL** to close the page and return to the connection profile window.

Figure 105 Edit Connection - Basic

Click **Basic** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Authentication: Select Account and Password or Smart Card from the drop-down list to configure authentication method.
- Server: Configure server address. This field must be filled in. Space is not allowed in server address.
- Domain: When selecting **Account and Password** in Authentication, this field appears for you to configure the server domain name. This field must be filled in. Space is not allowed in domain name. Username: When selecting **Account and Password** in Authentication, enter connection user name if you would like to configure this setting in advance.
- Password: When selecting **Account and Password** in Authentication, enter connection password if you would like to configure this setting in advance. After clicking the field, you can edit the password and display the password icon. Click the Show Password icon  to display the data in the password field; click the Hide Password icon  to hide the data in the password field.
- Click **Next >** or the **Redirection** tab on the left to move to the next setting page.
- Click **< Previous** or the **Connection Info** tab on the left to move back to the previous setting page.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.

Click the **Reset Form** icon **Figure 16** to reset the page content back to the unedited state.

Click **CANCEL** to restore your previous settings and leave the page.

The screenshot shows the 'Edit Connection' window with the 'Redirection' tab selected. On the left, there is a sidebar with tabs: 'Connection Info', 'Basic', 'Redirection' (selected), and 'Advanced'. The main area contains two dropdown menus: 'Webcam & Audio Recording' and 'Client Drive', both currently set to 'Enabled'. At the top right is a 'Reset Form' button. At the bottom are navigation buttons: '< Previous', 'Next >', 'SAVE', and 'CANCEL'.

Figure 106 Edit Connection - Redirection

Click **Redirection** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Webcam & Audio Recording: Select Disabled or Enabled from the drop-down list. This field must be configured.
- Client Drive: Select Disabled or Enabled from the drop-down list. This field must be configured.
- Click **Next >** or the **Advanced** tab on the left to move to the next setting page.

- Click **< Previous** or the **Basic** tab on the left to move back to the previous setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the unedited state.
- Click **CANCEL** to restore your previous settings and leave the page.

Figure 107 Edit Connection - Advanced

Click **Advanced** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Protocol: Select VMware Blast, PCoIP, or Microsoft RDP from the drop-down list. This field must be configured.

Preferences of unverifiable connection: Select Allow, Warning, or Reject from the drop-down list. This field must be configured.


In Session Toolbar: Select Hide or Show from the drop-down list. When Kiosk mode is enabled, in-session toolbar will be set as Hide, which can't be changed.

- Ctrl+Alt+Del Confirm Dialog: Select Disabled or Enabled from the drop-down list. This field must be configured.
- Sharing Folder: Select Disabled or Enabled from the drop-down list. This field must be configured.
- Click < **Previous** or the **Redirection** tab on the left to move back to the previous setting page.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the unedited state.
- Click **CANCEL** to restore your previous settings and leave the page.

The screenshot shows the 'Add Connection' dialog box with the 'Connection Info' tab selected. The form contains the following fields and controls:

- Connection Name***: A text input field.
- Connection Type**: A dropdown menu with 'VMware' selected.
- Kiosk Mode**: A dropdown menu with 'Disabled' selected.
- Auto Connect**: A dropdown menu with 'Disabled' selected.
- Auto Reconnect After Disconnect**: A dropdown menu with 'Enabled' selected.
- Reconnect After N Seconds***: A text input field with the value '30'.
- Next >**: A button to proceed to the next step.
- ADD** and **CANCEL**: Buttons at the bottom of the dialog.

Figure 108 Add Connection - Connection Info

Click the add icon  in a expanded connection profile to create a new connection in this particular connection profile.



●

●

The window will show different configuration content according to the selected **Connection Type**. Here uses connection type “VMware” as the example.

Click **Profile Info** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Connection Name:** You must configure the connection name. The length of the name field is 20 characters.
- **Connection Type:** Select a connection type from the drop-down list - VMware, Citrix, RDP, and Teradici PCoIP. Different options are available depending on the device type you select. This field must be chosen.
- **Kiosk Mode:** Select Disabled or Enabled from the drop-down list to configure Kiosk mode. This field must be chosen.
- **Auto Connect:** Select Disabled or Enabled from the drop-down list to configure automatic connection. When Kiosk mode is enabled, this field is read only. This field must be chosen.
- **Auto Reconnect After Disconnect:** Select Disabled or Enabled from the drop-down list to configure automatic reconnection. When Kiosk mode is enabled, this field is read only. This field must be chosen.
- **Reconnect After N Seconds:** When selecting *Enabled* in field “Auto Reconnect After Disconnect”, this setting appears for you to configure a value between 1 and 3600 (seconds). This field must be configured.
- Click **Next >** or the **Basic** tab on the left to move to the next setting page.

- Click **ADD** to add the new connection info and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the Reset Form icon **Figure 16** to reset the page content back to the unedited state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

Figure 109 Add Connection - Basic

Click **Basic** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Authentication: Select Account and Password or Smart Card from the drop-down list to configure connection method.
- Server: Configure server address. This field must be filled in. Space is not allowed in server address.





- Domain: When selecting **Account and Password** in Authentication, this field appears for you to configure the server domain name. This field must be filled in. Space is not allowed in domain name. Username: When selecting **Account and Password** in Authentication, enter connection user name if you would like to configure this setting in advance.
- Password: When selecting **Account and Password** in Authentication, enter connection password if you would like to configure this setting in advance. After clicking the field, you can edit the password and display the password icon. Click the Show Password icon  to display the data in the password field; click the Hide Password icon  to hide the data in the password field.
- Click **Next >** or the **Redirection** tab on the left to move to the next setting page.
- Click **< Previous** or the **Connection Info** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new connection info and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the Reset Form icon **Figure 16** to reset the page content back to the unedited state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

Figure 110 Add Connection - Redirection

Click **Redirection** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Webcam & Audio Recording: Select Disabled or Enabled from the drop-down list. This field must be configured.
- Client Drive: Select Disabled or Enabled from the drop-down list. This field must be configured.
- Click **Next >** or the **Advanced** tab on the left to move to the next setting page.
- Click **< Previous** or the **Basic** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new connection info and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the Reset Form icon **Figure 16** to reset the page content back to the unedited state and the first setting page.

- Click **CANCEL** to restore your previous settings and leave the page.

Figure 111 Add Connection - Advanced

Click **Advanced** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Protocol: Select VMware Blast, PCoIP, or Microsoft RDP from the drop-down list. This field must be configured.
- Preferences of unverifiable connection: Select Allow, Warning, or Reject from the drop-down list. This field must be configured.
- In Session Toolbar: Select Hide or Show from the drop-down list. When Kiosk mode is enabled, in-session toolbar will be set as Hide, which can't be changed.
- Ctrl+Alt+Del Confirm Dialog: Select Disabled or Enabled from the drop-down list. This field must be configured.
- Sharing Folder: Select Disabled or Enabled from the drop-down list. This field must be configured.

- Click **< Previous** or the **Redirection** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new connection info and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the Reset Form icon **Figure 16** to reset the page content back to the unedited state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

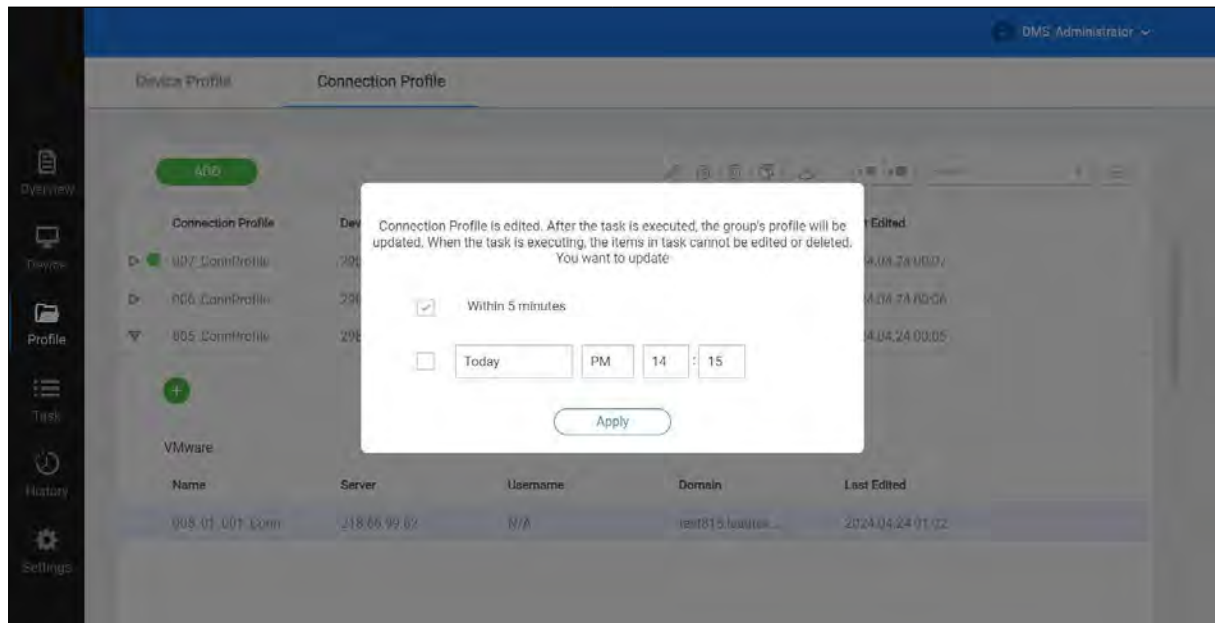


Figure 112 Task scheduling for an added or edited connection

If a connection profile is applied to one or more groups, and there is no group in performing a task, DMS will display new task scheduling after adding or editing connection in connection profile. The task must be added and executed. Performing the task will apply the changed connection profile to all devices in the group(s).

You can execute the task within 5 minutes or in the future by specifying the date and time. The date can only be configured as Today or Tomorrow. Once you complete the setting, click the **Apply** button to save the changes and close the window.

The new task is displayed in the Task list with a name format of sTask_C9999 (9999 is a randomly generated sequence number). A task of changing device profile or connection profile cannot be edited or deleted.

(6) Export Connection Profile

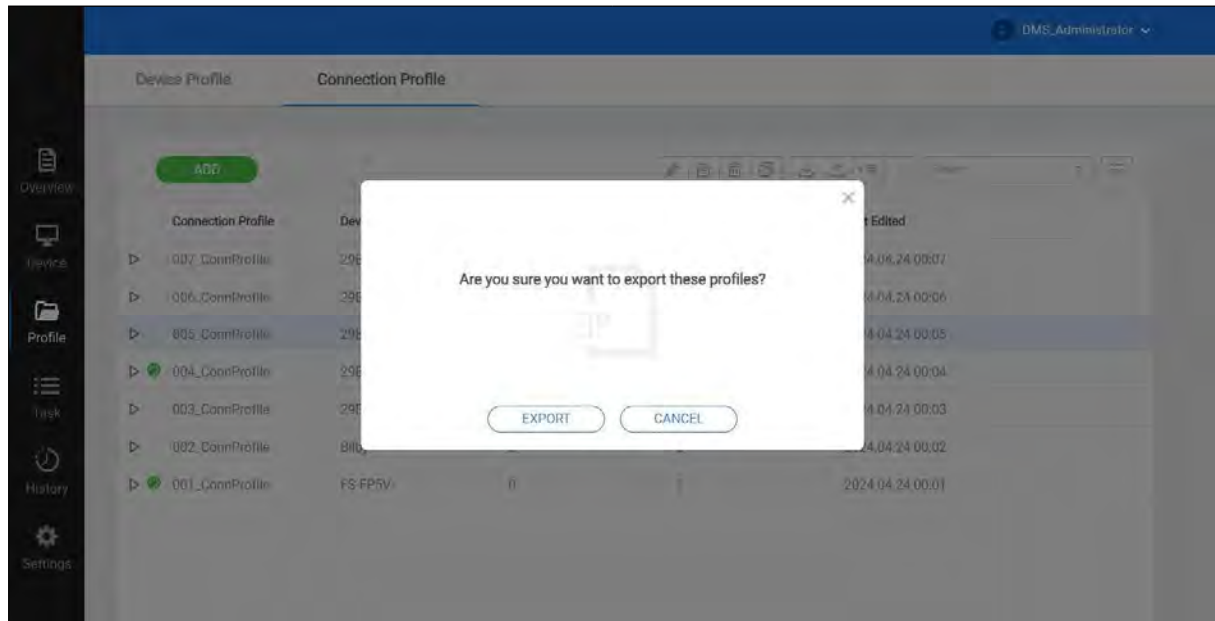


Figure 113 Export Connection Profile Confirmation Window

Choose one or multiple connection profiles from the connection profile list to export the data. Click the export icon ^{Figure 41} in the toolbar or click **Export** from the shortcut list to export connection profile data.

If you didn't click and choose any connection profile from the list, it exports all connection profile data; if you click and choose a specific connection profile from the list, it exports the selected connection profile data.

Click **CANCEL** to leave the export window without changes.

Click **EXPORT** to export connection profile data. Depending on your browser setting, a window may appear for you to choose the export file location, or the file is exported directly to an assigned download location. If there is any error happening during exporting process, it shows error message.



Figure 114 Export Connection Profile Data

DMS_ConnectionProfile_yyyymmdd_hhmmss.zip ("DMS_ConnectionProfile": fixed characters, "yyymmdd": exported year/month/day, "hhmmss": exported time - hour/minute/second). The compressed file includes text files.

The item or data is displayed with quotation marks (" "). Two values are separated with a comma (","). If not specified otherwise, please do not change exported contents, so as to avoid any importing error.

(7) Import Connection Profile

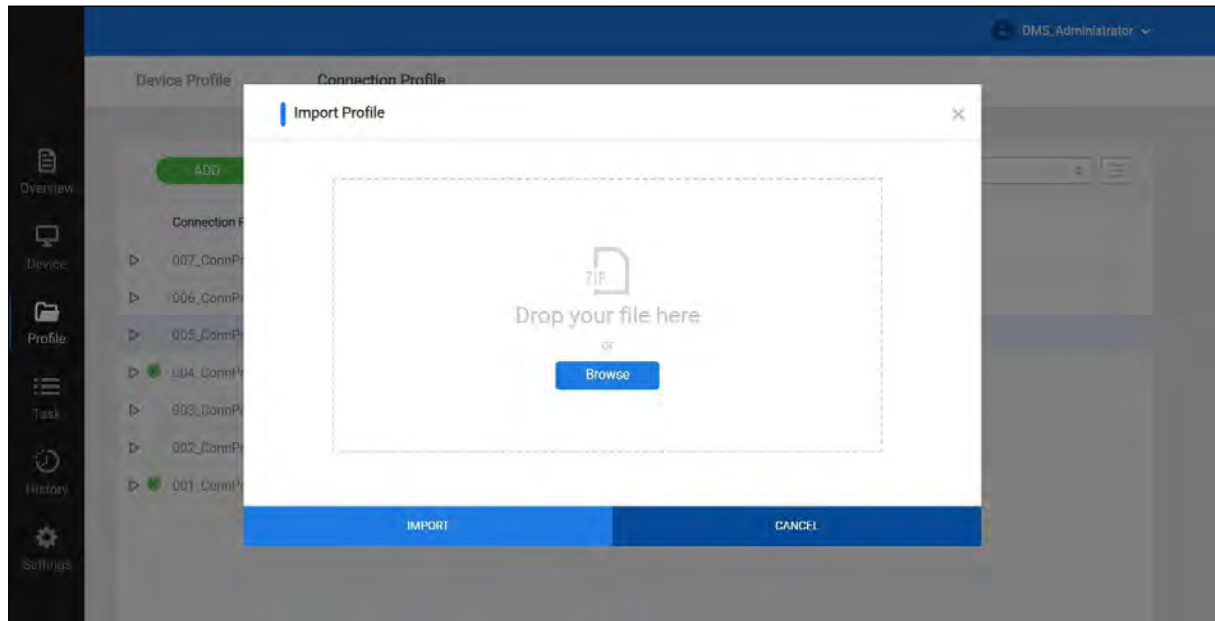




Figure 115 Import Connection Profile

In Connection Profile main window, click the import icon  in the toolbar to import connection profile data. You can drag the file here or click **Browse** and choose the file (*.zip) you want to import. You can only import one file at a time.

Click **CANCEL** or icon  to leave the import window without changes.

Click **IMPORT** to import connection profile data and then leave the window. If there is any error happening during importing process, it shows error message.

You can download and view the error report.

(8) Copy Connection Profile

Figure 116 Copy Connection Profile – Profile Info

In Connection Profile main window, select a connection profile item that you want to copy and click the copy icon ^{Figure 59} in the toolbar or click **Copy** from the shortcut list to copy connection profile data.

The fields and settings on the screen are all copied from the source's connection profile data. You can then edit these settings.

Click **Next >** or the **Connection** tab on the left to move to the next setting page.

Click **COPY** to save data and leave the window. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.

Click the **Reset Form** icon ^{Figure 16} to reset the page content back to the default state.

Click **CANCEL** to leave the copy connection profile window without changes.

Copy Connection Profile Reset Form

Profile Info
Connection

4 Connection Selected, 005_01_001_Conn / 005_02_001_Conn...

29B8C0D Deselect All

Connection	Connection Type	Server
005_01_001_Conn	VMware	56.92.60.197
005_02_001_Conn	Citrix	247.49.114.151
005_03_001_Conn	RDP	86.98.153.234
005_04_001_Conn	Teradici PCoIP	216.108.254.108

[< Previous](#)

COPY **CANCEL**

Figure 117 Copy Connection Profile – Connection

The page allows you to select the connection items you want to copy into connection profile. All items are copied by default, but you can edit them.

Click **Deselect All** to deselect all chosen items. Click **Select All** to choose all items.

Click **< Previous** or the **Profile Info** tab on the left to move back to the previous setting page.

Click **COPY** to save data and leave the window. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.

Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state.

Click **CANCEL** to leave the copy connection profile window without changes.

(9) Copy Connection

Figure 118 Copy Connection – Create New Profile

If you select copying a connection item to a new connection profile, this window appears for you to configure connection profile details except **Device Type**, which must be the same as the source's device type.

The fields and settings on the screen are all copied from the source's connection data. You can then edit these settings.

Figure 119 Copy Connection – Select One Profile

If you select copying an existing connection profile, this window appears for you to select a connection profile from all connection profiles which have the same device type as the copy source.

The fields and settings on the screen are all copied from the source's connection data. You can then edit these settings.

3.7 Task

The DMS can schedule the profile to be written to the devices. You can add, view, or delete a scheduling task. In Group or Profile window, any changes of device profile or connection profile will be shown in Task overview window. You can only view a changing profile task but cannot edit or delete the task.


When a task is executing, if a group receives more than one task at the same time, the executing order is based on the task creating time. If a task is created earlier, that task will be executed first.



Task Name	Command	From	Due	Specify Condition
002_DevTask_Weekly	Factory Reset	2024.05.10 15:30	2024.05.15	Every 10 Weeks / Mon, Tue, Thu
004_DevTask_Mont...	Power On	2024.05.01 15:30	Repeat 10 Times	EveryMonth / 1
006_DevTask_Daily	Connection Profile ...	2024.05.19 15:30	Never	EveryDay
007_DevTask_Weekly	BIOS Update	2024.05.22 16:00	Repeat 4 Times	EveryWeek / Fri, Sat
008_DevTask_Once	SW Update	2024.05.15 16:00	N/A	Once
015_DevTask_Daily	Factory Reset	2024.04.29 16:30	2024.05.01	Every 9 Days
005_DevTask_Once	Power Off	2024.04.07 15:30	N/A	Once
011_DevTask_Weekly	Reboot	2024.03.31 16:00	2024.04.04	Every 4 Weeks / Sat, Sun
014_DevTask_Daily	Factory Reset	2024.04.11 16:30	2024.04.15	Every 2 Days

Figure 120 Task Overview

Click **Task** in the left side of the screen. You will see the overview of the created and configured tasks, including each task's name, executing command, executing frequency, starting time, due plan, and the specify condition.

The Task overview list is displayed according to the scheduling time. A task in processing or in the queue is shown on the top of the list. A finished task is shown next. An invalid task is shown last.

In search field , you can search any data that meets your search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.

Click the advanced search icon  to show advanced search screen. You can define search criteria (e.g. Task, Command, Frequency, Status, Start Time, End Type, Device Type, Device Profile, Connection Profile, Group, MAC Address, Create User and Create Time) to find particular data in task screen. After choosing the criteria you want to use and entering your search words, click the add rule icon  to add rule in search list. You can add one or several search criteria.

After completing the setting, click **SEARCH** to start data searching; click **CANCEL** to close search screen and go back to task screen.

Click each column header to sort the data in order of letter or number.

Task Name	Task Name
033_DevTask_Week...	010_DevTask_Month...
034_DevTask_Month...	009_SysTask_Month...
035_DevTask_Once	008_DevTask_Month...
036_DevTask_Once	007_DevTask_Month...





Sort data in ascending order

or descending order

Choose a task from the list and click a toolbar icon at the top of the window



to interrupt, edit, view, or delete the task.

- Click the edit icon  in the toolbar to interrupt the task.
- Click the edit icon  in the toolbar to edit the task.
- Click the view icon  in the toolbar or click the left mouse button twice to view the task configuration.
- Click the delete icon  in the toolbar to delete the task.

Right-click a task from the list to show a shortcut list of editing, viewing, and deleting a task, which is the same as the icons in the toolbar.

The status of a task is shown on the left side of each task name. When the mouse is moved above the icon, the prompt message of the task status will be displayed. The following marking indicates the task status:






Task Status	Marking
Valid but haven't executed task	None
Processing task	
Executed task	
Overdue and not performed task	
Invalid task	

Table 3 Task status and marking

To execute a task, if the device is in power off mode, DMS will send a power on command to the device first and then perform the further task command. If the task is a power off command, the device remains in power off mode without any action.

If DMS cannot execute a task, an error message **Task service is error. Please reboot or check the service.** appears on the screen. You can click the execute task icon  on the left side of the message to re-execute the task and see if the issue would be fixed. If the error still exists, make sure the current DMS operating state and confirm the server and service work fine.


3.7.1. Add Task

Before adding a task, ensure Device Type and Group data has been created and configured in DMS.

When a client device is registered to DMS server, it will upload device type it belongs to. You don't need to manually add the device type. If there isn't any device being registered in DMS, a message **No Device exist.** appears when adding a task.

Group can be created and configured in Device -> Grouped.

Figure 121 Add Task - Info

Click the **ADD** icon  in Task page to create a new task. Click **Info** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Task Name: You must configure the task name. The length of the name field is 1-20 characters. Space is not allowed in task name.
- Command: Select a command from the drop-down list - power on, power off, reboot, factory reset, SW update, connection profile update, device profile update, and BIOS update. This field must be chosen.
- Click **Next >** or the **Group** tab on the left to move to the next setting page.
- Click **ADD** to add the new task and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page back to

the default state and the first setting page.

- Click **CANCEL** to cancel the changes and leave the page.

Figure 122 Add Task - Group

Click **Group** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

The second step is to assign a group to perform the task. The upper right corner of the window shows the default device type, e.g. . You can choose a device type from the drop-down list. The group list below shows the groups being sorted by device type.

In search field , you can search any data that meets your group search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.

- You can choose one or multiple groups from the list. Then click **NEXT**

- > or the **Condition** tab on the left to enter the next setting page.
- Click < **Previous** or the **Info** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new task and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page back to the default state and the first setting page.
- Click **CANCEL** to cancel the changes and leave the page.

Figure 123 Add Task - Condition

Click **Condition** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

The third step is to set the executing frequency of the task. Set up frequency of task execution from the drop-down list – once, daily, weekly, or monthly. An expanded section of



time setting is shown according to the frequency option you select. All executing time can only be set a day after the configuration date.

This field must be chosen.

When **Once** is selected in Frequency, the task executes one time only.

When **Daily** is selected in Frequency, the expanded section shows frequency interval setting for you to set the number of days in which the task should be started. Select every 1 to 30 days to repeat the task. The default value is 1.

Frequency	Repeat Every N Day(s)
Daily	1

When **Weekly** is selected in Frequency, the expanded section shows frequency interval option. Select every 1 to 30 weeks to repeat the task. The default value is 1. Then select one or multiple weekdays to perform the task (The starting day of each week is Sunday).

Frequency	Repeat Every N Week(s)
Weekly	1

<input type="checkbox"/> Mon	<input type="checkbox"/> Tue	<input type="checkbox"/> Wed	<input type="checkbox"/> Thu
<input type="checkbox"/> Fri	<input type="checkbox"/> Sat	<input type="checkbox"/> Sun	

ⓘ ※The starting day of the week is Sunday.

When **Monthly** is selected in Frequency, the expanded section shows frequency interval option. Select every 1 to 30 months to repeat the task. The default value is 1. Then select a day from the calendar to perform the task.



Frequency	Repeat Every N Month(s)																																			
Monthly	1																																			
Specify Type	Specify Day of Month																																			
Date	<table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr><tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr><tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr><tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr><tr><td>29</td><td>30</td><td>31</td><td colspan="4">The Last Day</td></tr></table>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	The Last Day			
1	2	3	4	5	6	7																														
8	9	10	11	12	13	14																														
15	16	17	18	19	20	21																														
22	23	24	25	26	27	28																														
29	30	31	The Last Day																																	

Or you can select a day of a specific week in a month to perform the task (The starting day of each week is Sunday).

Frequency	Repeat Every N Month(s)
Monthly	1
Specify Type	Specify Ordinal Numbers
Day Of Week	1st
Specify Day of Week	
Mon	

※The starting day of the week is Sunday.

When the selected condition doesn't exist, the system will display an error message **The selected condition does not exist**. You can re-configure the schedule condition.

- Click **Next >** or the **Start Time** tab on the left to move to the next setting page.
- Click **< Previous** or the **Group** tab on the left to move back to the previous setting page.


- Click **ADD** to add the new task and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page back to the default state and the first setting page.
- Click **CANCEL** to cancel the changes and leave the page.


Figure 124 Add Task – Start Time

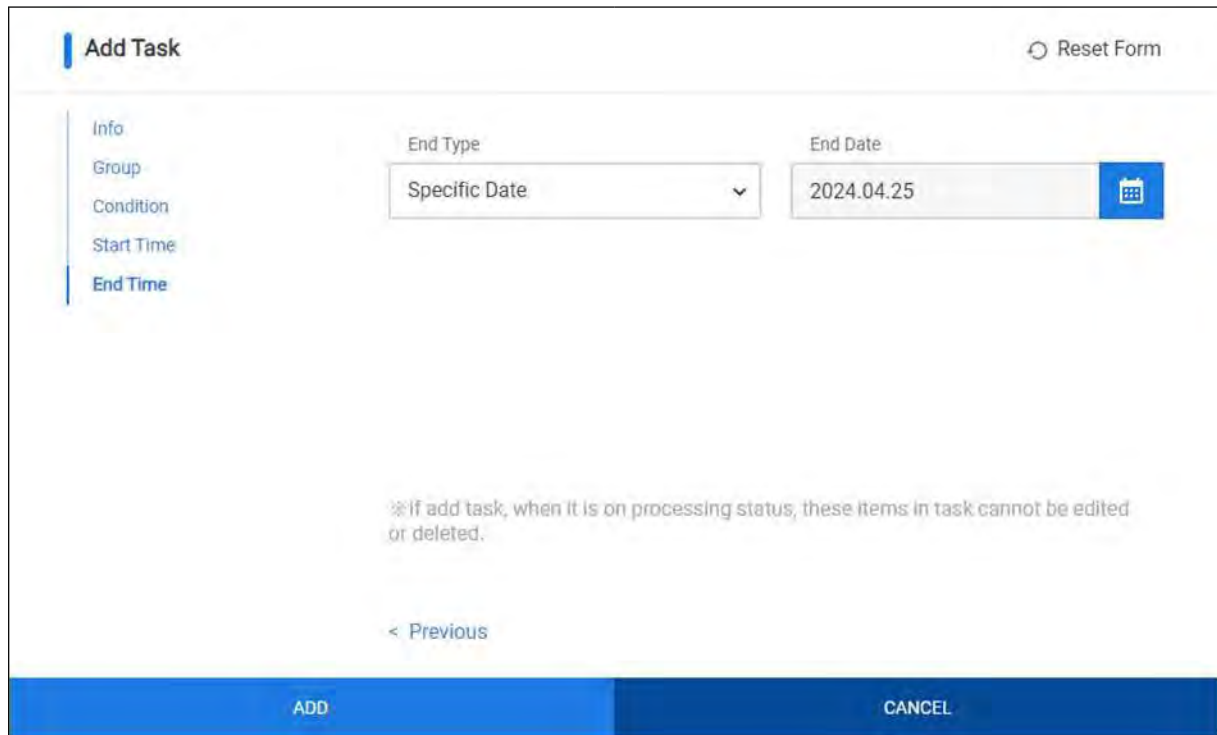
Click **Start Time** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

If **Once** is selected in Frequency, the Set Start Time page appears for you to configure the starting time of the task.

- Start Date: Click the calendar icon  to set a task starting date.
This field must be chosen.

- Start Time: Click the clock icon  to set a task starting time. This field must be chosen.
- Click < **Previous** or the **Condition** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new task and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page back to the default state and the first setting page.
- Click **CANCEL** to cancel the changes and leave the page.



Add Task Reset Form

Info
Group
Condition
Start Time
End Time

End Type
Specific Date

End Date
2024.04.25

※ If add task, when it is on processing status, these items in task cannot be edited or deleted.





< Previous

ADD CANCEL

Figure 125 Add Task – End Time

Click any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

If **Daily**, **Weekly** or **Monthly** is selected in Frequency, the Set End Time page appears for you to configure the ending time of the task.

- End Type: Select an ending type from the drop-down list - **Specific Date**, **Repeat Times**, or **Never**. This field must be chosen.
- When **Specific Date** is selected in End Type, an expanded section appears on the right side of the page to configure the ending date
. Click the calendar icon  to set a task ending date.
- When **Repeat Times** is selected in End Type, an expanded section appears on the right side of the page to configure the times of repeating . Click the icon  to set how many times you want to repeat the task. You can set at most 20 times of repeating.
- When **Never** is selected in End Type, the task will be executed without stopping.
- Click **< Previous** or the **Start Time** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new task and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page back to the default state and the first setting page.
- Click **CANCEL** to cancel the changes and leave the page.

Add Task Reset Form

Info
Group
SW
Condition
Start Time

Select from list below to assign

29B8C00

File Name	Description
OS_29B8C00_1.1.21_20231102	
OS_29B8C00_1.2.5_20240110	
OS_29B8C00_1.2.9_20230722	
OS_29B8C00_1.4.67_20230511	

< Previous Next >

ADD **CANCEL**

Figure 126 Add Task – SW

Click any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

If **SW Update** is selected in Command, this page appears for you to configure an OS or firmware file after completing the Assign Group configuration. The file list shows all available OS and firmware file information, including file name and description.

In search field , you can search any data that meets your firmware search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.

Click the column header with **File Name** to sort the data in order of letter or number. The default setting is listed in ascending order.



Sort data in ascending order

File Name

OS_29B8C00_1.1.38_20200204

OS_29B8C00_1.3.24_20200824

OS_29B8C00_1.4.11_20201016

OS_29B8C00_1.4.35_20200730

Sort data in descending order

File Name

OS_29B8C00_1.6.49_20200318

OS_29B8C00_1.4.35_20200730

OS_29B8C00_1.4.11_20201016

OS_29B8C00_1.3.24_20200824

You can only select one file for SW update choose multiple files.

and cannot

● Click **NEXT >** or the **Condition** tab on the left to enter the next setting page.

● Click **< Previous** or the **Group** tab on the left to move back to the previous setting page.

● Click **ADD** to add the new task and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.

● Click the **Reset Form** icon **Figure 16** to reset the page back to the default state and the first setting page.

● Click **CANCEL** to cancel the changes and leave the page.

Figure 127 Add Task - BIOS

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Click any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

If **BIOS Update** is selected in Command, this page appears for you to configure a BIOS file after completing the Assign Group configuration. The file list shows all available BIOS file information, including file name and description.

In search field , you can search any data that meets your firmware search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.

Click the column header with **File Name** data in order of letter or number. The data is listed in ascending order.

Sort data in ascending order

File Name
BIOS_29B8C00_1.4.77_20191218
BIOS_29B8C00_1.4.92_20200401
BIOS_29B8C00_1.6.32_20200408
BIOS_29B8C00_1.6.77_20200730
File Name
BIOS_29B8C00_1.6.77_20200730
BIOS_29B8C00_1.6.32_20200408
BIOS_29B8C00_1.4.92_20200401
BIOS_29B8C00_1.4.77_20191218

highlighted

to sort the
default setting

Sort data in descending order

You can only select one file for BIOS update and cannot choose multiple files.

- Click **NEXT >** or the **Condition** tab on the left to enter the next setting page.
- Click **< Previous** or the **Group** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new task and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page back to the default state and the first setting page.
- Click **CANCEL** to cancel the changes and leave the page.

3.7.2. View Task


The screenshot shows a 'View Task' window with a sidebar on the left containing tabs: Info, Group, File, Condition, Start Time, and End Time. The 'Info' tab is selected. The main area displays task details in a table-like format:

Task Name	Command
007_DevTask_Weekly	BIOS Update

Create Time	Edit Time
2024.04.25 14:49 by 7411	2024.04.25 14:49 by 7411

At the top right, there is a 'Delete Item' button. At the bottom right, there is a 'Next >' button. At the bottom, there are two large buttons: 'EDIT' and 'CANCEL'.

Figure 128 View Task - 1


Choose a task from the list and click the view icon  in the toolbar to view task configuration information. You can also right-click a task from the list to show the **View** option.

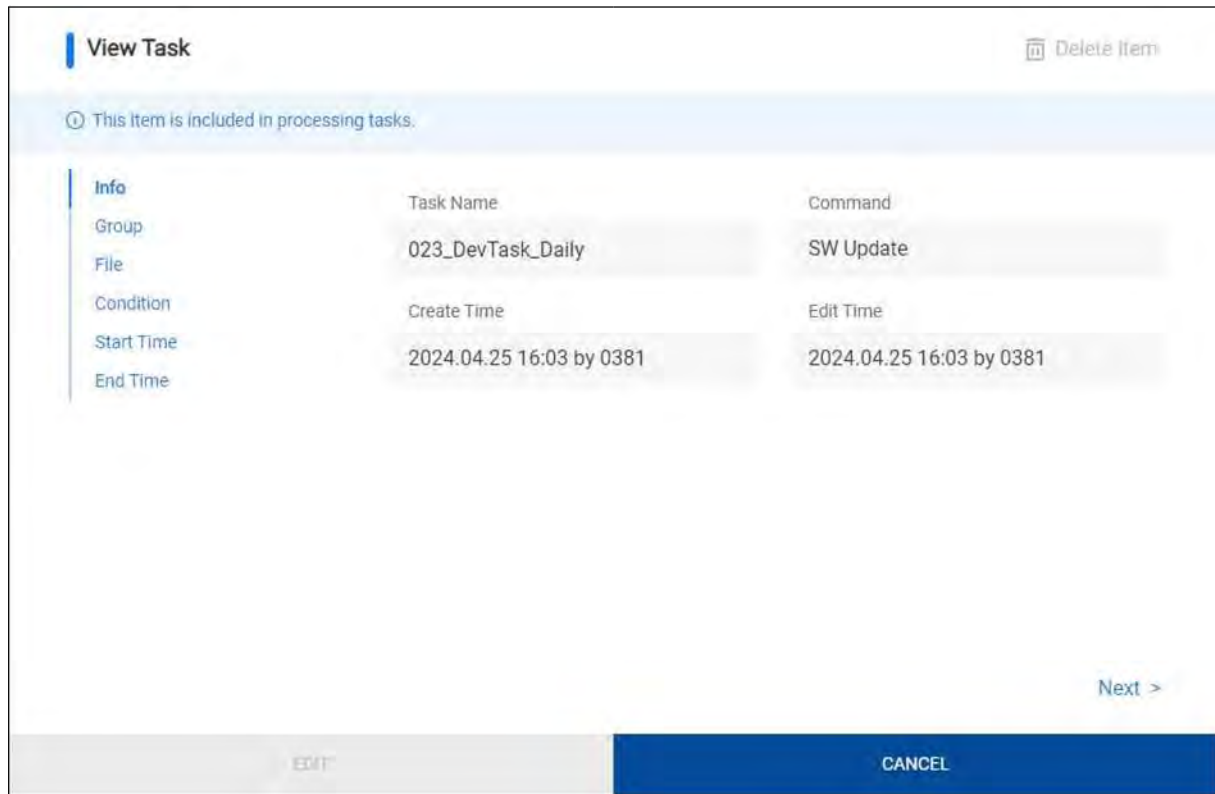
Click any tab on the left, including info, group, file, condition, start time and end time, to switch the setting page at any time during the configuration process.

The window shows task information, including task name, command, executing frequency, applied group number, starting date and time, ending type, specify condition, added and edited date.

If the entire applied groups are deleted, a message **Some groups have been deleted.** is displayed.

- Click **NEXT >** to enter the next setting page.
- Click **< Previous** to move back to the previous setting page.
- Click **EDIT** to enter the task editing window.

- Click **CANCEL** to close the view page.
- Click the **Delete Item** icon  **Delete Item** to delete the task item.



Info	Task Name	Command
Group	023_DevTask_Daily	SW Update
File		
Condition	Create Time	Edit Time
Start Time	2024.04.25 16:03 by 0381	2024.04.25 16:03 by 0381
End Time		

Next >

EDIT CANCEL


Figure 129 View Task - 2

If the viewed task is in processing or the task is shown in Group or Profile window, indicating a device or connection profile change, a message **This item is included in processing tasks.** or **This item is created by DMS.** is displayed. You can only view the task details but cannot edit or delete it.

- Click **NEXT >** to enter the next setting page.
- Click **< Previous** to move back to the previous setting page.
- Click **CANCEL** to close the view page.

3.7.3. Edit Task

Figure 130 Edit Task - Info

Choose a task from the list and click the edit icon  in the toolbar to edit task configuration. You can also right-click a task from the list to show the **Edit** option.

Click any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.


- Task Name: You must configure the task name. The length of the name field is 1-20 characters. Space is not allowed in task name.
- Command: This field is read only and cannot be modified.
- Click **Next >** or the **Group** tab on the left to move to the next setting page.
- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  to reset the page content back to the unedited state.
- Click **CANCEL** to cancel the changes and leave the editing page.

Figure 16

Figure 131 Edit Task - Group

Click **Group** or any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

The Device Type field is read only (e.g.) and cannot be modified. The list below is the corresponding group data after filtering according to the device type.

In search field , you can search any data that meets your group search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.

- You can choose one or many groups from the list. Then click **NEXT >** or the tab **Condition** on the left to enter the next editing page.
- Click **< Previous** or the **Info** tab on the left to move back to the previous setting page.

- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state.
- Click **CANCEL** to restore your previous settings and leave the editing page.

Figure 132 Edit Task - Condition

Click **Condition** or any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

The third step is to set the executing frequency of the task. The window shows the selected frequency setting and you can change the setting, if you like. The Frequency setting is a drop-down list with options once, daily, weekly, and monthly. An expanded section of time setting is shown according to the frequency option you select. All executing time can only be set a day after the configuration date. This field must be chosen.



When **Once** is selected in Frequency, the task executes one time only.

When **Daily** is selected in Frequency, the expanded section shows frequency interval setting for you to set the number of days in which the task should be started. Select every 1 to 30 days to repeat the task.

Frequency	Repeat Every N Day(s)
Daily	1

When **Weekly** is selected in Frequency, the expanded section shows frequency interval option. Select every 1 to 30 weeks to repeat the task. Then select one or multiple weekdays to perform the task (The starting day of each week is Sunday).

Frequency	Repeat Every N Week(s)
Weekly	1

<input type="checkbox"/> Mon	<input type="checkbox"/> Tue	<input type="checkbox"/> Wed	<input type="checkbox"/> Thu
<input type="checkbox"/> Fri	<input type="checkbox"/> Sat	<input type="checkbox"/> Sun	

❗ ※The starting day of the week is Sunday.

When **Monthly** is selected in Frequency, the expanded section shows frequency interval option. Select every 1 to 30 months to repeat the task. Then select a day from the calendar to perform the task.

Frequency	Repeat Every N Month(s)																																			
Monthly	1																																			
Specify Type	Specify Day of Month																																			
Date	<table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr><tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr><tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr><tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr><tr><td>29</td><td>30</td><td>31</td><td></td><td>The Last Day</td><td></td><td></td></tr></table>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		The Last Day		
1	2	3	4	5	6	7																														
8	9	10	11	12	13	14																														
15	16	17	18	19	20	21																														
22	23	24	25	26	27	28																														
29	30	31		The Last Day																																

Or you can select a day of a specific week in a month to perform the task (The starting day of each week is Sunday).

Figure 124

When the selected condition doesn't exist, the system will display an error message **The selected condition does not exist**. You can re-configure the schedule condition.



- Click **Next >** or the **Start Time** tab on the left to move to the next setting page.
- Click **< Previous** or the **Group** tab on the left to move back to the previous setting page.


- Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page back to the default state.
- Click **CANCEL** to cancel the changes and leave the page.

Figure 133 Edit Task – Start Time

Click any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

If **Once** was selected in Frequency, the Set Start Time page appears for you to configure the starting time of the task.

- **Start Date:** Click the calendar icon  to set a task starting date.
This field must be chosen.
- Start Time:** Click the clock icon  to set a task starting time. This field must be chosen.

-
- Click **< Previous** or the **Condition** tab on the left to move back to the previous setting page.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page back to the default state.
- Click **CANCEL** or icon  to cancel the changes and leave the page.

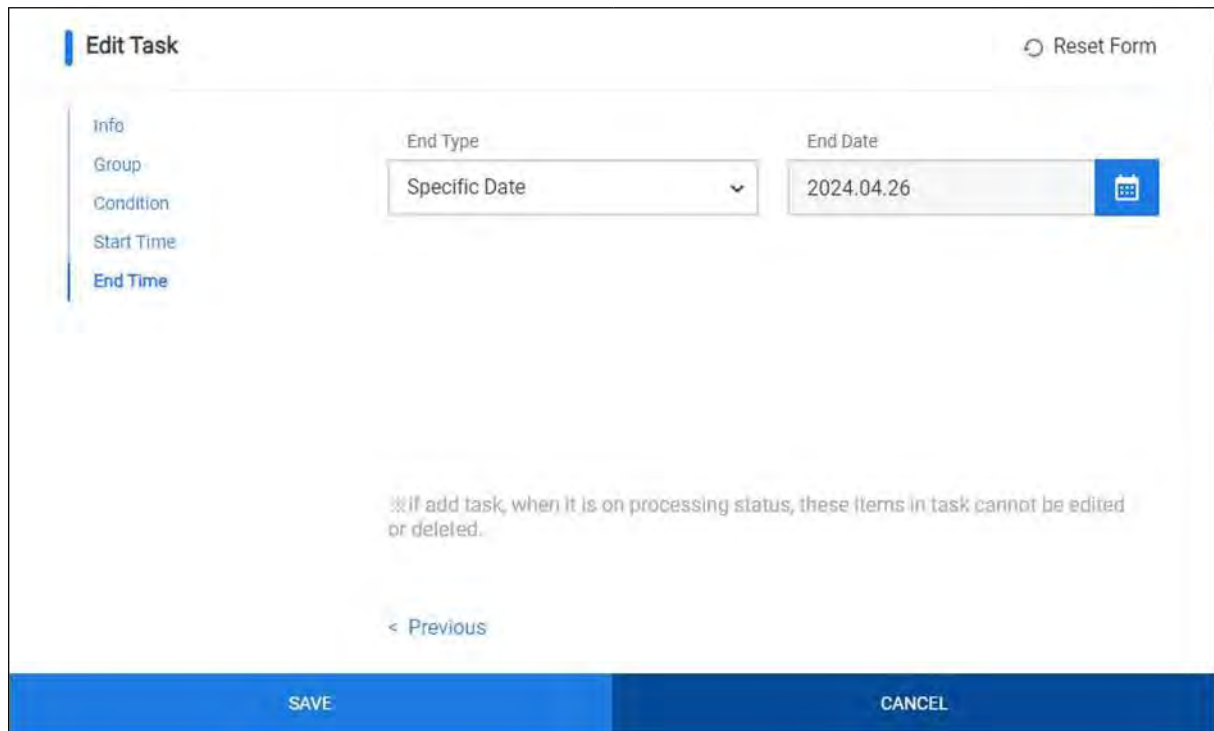


Figure 134 Edit Task – End Time


Click any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

If **Daily**, **Weekly** or **Monthly** was selected in Frequency, the Set End Time page appears for you to configure the ending time of the task.

End Type: Select an ending type from the drop-down list - Specific Date, Repeat Times, or Never. This field must be chosen.


-
- When **Specific Date** is selected in End Type, an expanded section appears on the right side of the page to configure the ending date



Click the calendar icon  to set a task ending date.

- When **Repeat Times** is selected in End Type, an expanded section appears on the right side of the page to configure the times of



repeating. Click the icon  to set how many times you want to repeat the task. You can set at most 20 times of repeating.

- When **Never** is selected in End Type, the task will be executed without stopping.
- Click **< Previous** or the **Start Time** tab on the left to move back to the previous setting page.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page back to the default state.
- Click **CANCEL** to cancel the changes and leave the editing page.

Edit Task Reset Form

Info
Group
File
Condition
Start Time
End Time

1 File Selected, OS_29B8C00_1.6.70_20230501.

29B8C00

File Name	Description
OS_29B8C00_1.2.8_20230522	
OS_29B8C00_1.3.1_20230804	
OS_29B8C00_1.6.70_20230501	
OS_29B8C00_1.9.22_20240212	

< Previous Next >

SAVE **CANCEL**

Figure 135 Edit Task - File

Click any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

If **SW Update** or **BIOS Update** is selected in Command, this page appears for you to configure a file after completing the Assign Group configuration. The firmware list shows all available file information for this device type, including file name and description.

In search field , you can search any data that meets your firmware search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.

Click the column header with **File Name** to sort the data in order of letter or number. The default setting is listed in ascending order.



Sort data in ascending order

File Name
OS_29B8C00_1.1.6_20200115
OS_29B8C00_1.2.28_20200610
OS_29B8C00_1.2.66_20200430
OS_29B8C00_1.5.76_20200901

Sort data in descending order

File Name
OS_29B8C00_1.9.1_20200709
OS_29B8C00_1.5.76_20200901
OS_29B8C00_1.2.66_20200430
OS_29B8C00_1.2.28_20200610

You can only select one file for file update choose multiple files.

and cannot

tab on the left

- Click **NEXT >** or the **Condition** to enter the next setting page.
- Click **< Previous** or the **Group** tab on the left to move back to the previous setting page.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page back to the default state.

- Click **CANCEL** to cancel the changes and leave the editing page.
- ### 3.7.4. Delete Task

If a task is in processing or the task is shown in Group or Profile window, indicating a device or connection profile change, you cannot delete the task.

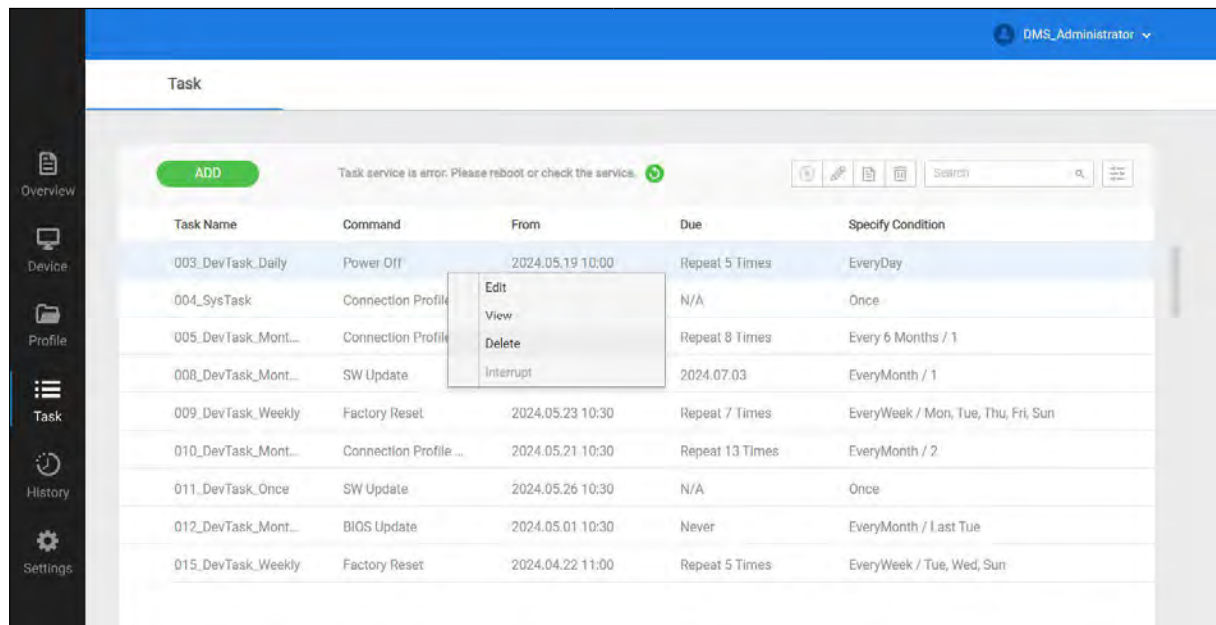



Figure 136 Delete Task

Choose a task from the list and click the delete icon  in the toolbar to delete the selected task. You can also right-click a task from the list to show the **Delete** option.

A confirmation dialogue appears. Click **Cancel** to leave the window without changes or click **Delete** to confirm the deletion.

3.7.5. Interrupt Task

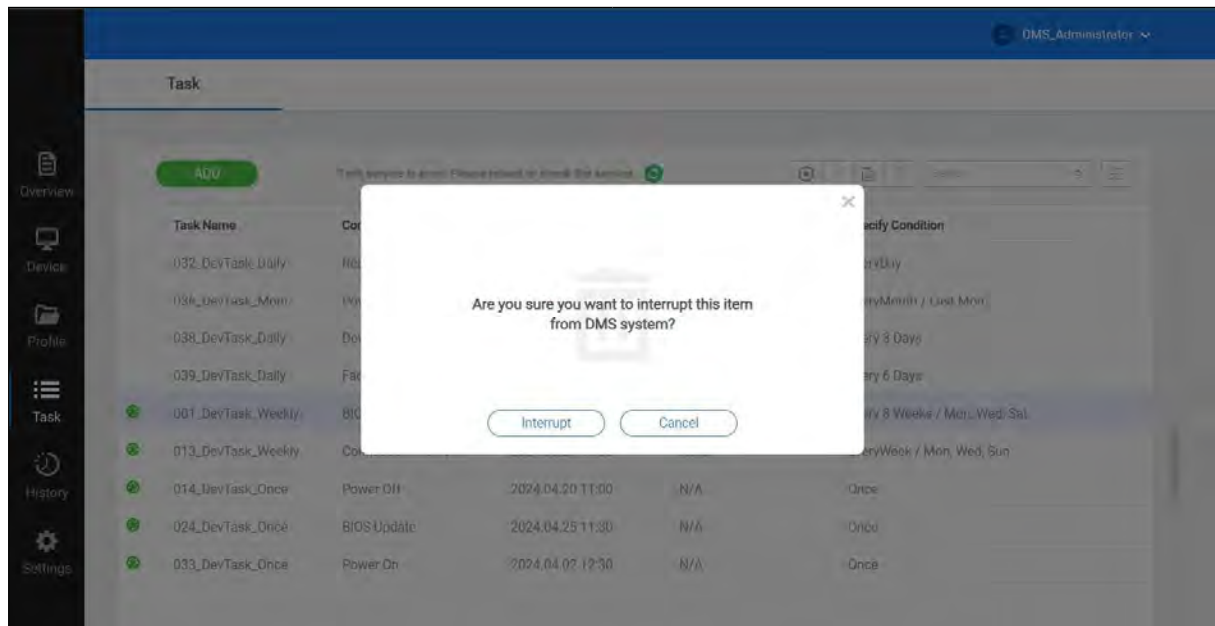



Figure 137 Interrupt Task

Choose a proceeding task from the list and click the interrupt icon  in the toolbar to stop the selected task. You can also right-click a proceeding task from the list to show the **Interrupt** option.

A confirmation dialogue appears. Click **Cancel** to leave the window without changes or click **Interrupt** to confirm the interruption.

3.8 History

The History Overview screen shows major device management activities in the past. It includes adding, editing, or deleting records, as well as task executing results. Except showing on the history window, you can also export the history records as a file for archives.

Time	Type	Result	Description
2024.04.27 09:13	Setting / Certificate	Done	7174 added 044_CertFile.pem.
2024.04.27 09:12	Setting / Certificate	Done	7174 edited 068_CertFile.pem.
2024.04.27 09:01	Setting / Asset	Done	7174 added 091_asset.svg.
2024.04.27 08:51	Profile / Device Profile	Done	2515 deleted 002_DevProfile, 004_DevProfile, 005_DevProfile.
2024.04.27 08:30	Setting / File	Done	5957 added BIOS_Bilby_1.1.5_20230516.
2024.04.27 08:03	Profile / Device Profile	Failed	7174 imported 005_DevProfile, 007_DevProfile, 003_DevProfile, 001_De...
2024.04.27 08:03	Setting / File	Done	2515 edited OS_29BAC00_1.9.56_20231001.
2024.04.27 07:47	Device / Ungrouped	Warning	Errors occurred while importing process. 11:F3:51:A3:31:57, 49:84:F0:1C:...
2024.04.27 07:08	Setting / Certificate	Done	2515 edited 041_CertFile.pem.

Figure 138 History Overview

Click **History** in the left side of the screen to show the history overview window. You will see the history records of editing activities and task executed results by any DMS users.


The overview page shows history record information, including date/time, record type, executed result, and description. The list defaults to the descending order of "Time", and the latest data will be displayed first.

The overview list is sorted in order of date/time. The latest item is shown on the top of the list.


Click each column header to sort the data in order of letter or number.

Time	Time
2017.05.10 10:18	2017.05.12 15:32
2017.05.10 18:56	2017.05.12 15:24
2017.05.10 23:45	2017.05.12 10:37
2017.05.11 00:19	2017.05.12 03:51

Sort data in ascending order or descending order

Click the **Export** icon  to export history records. You can save the records as a file with PDF, Excel, or text format.



Click the **Clear All** icon  to clear all of the history records. The task items in Task window will be cleared up as well.

The History Overview shows all of the history records by default. If the record items go beyond the limit of rows allowed on the screen, a **Load More** icon

 appears at the bottom of the list. Click it to show more history

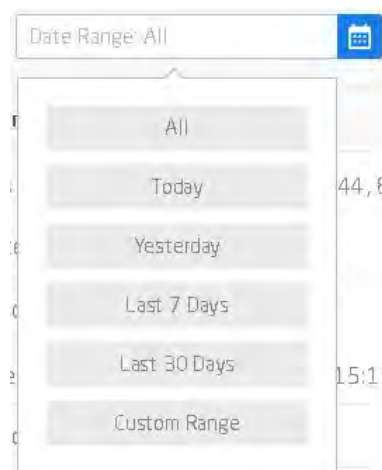
records. When all items are shown, the bottom icon will change to **Bottom of**

List 

. Click the calendar icon 

Date Range: All

to apply a date filter, including all, today, yesterday, last 7 days, last 30 days, and custom range, on the history records. When choosing a custom range, you will need to choose the starting and ending dates.



The History Overview shows all of the record types by default. Click the type

filter icon 

to apply a record type filter, including all,

device, profile, task, or settings, on the history records.

Select ...

▼



All

Device

Profile

Task

Settings

Click the advanced search icon  to show advanced search screen. You can define search criteria (Start Time, End Time, Type, Result, etc.) to find particular data in history screen. After choosing the criteria you want to use and entering your search words, click the add rule icon  **Add Rule** to add rule in search list. You can add one or several search criteria. After completing the setting, click **SEARCH** to start data searching; click **CANCEL** to close search screen and go back to history overview screen.

Advanced Search

Reset Form

Filter

All (and)

▼

Result

▼

=

▼

Done

▼

List

+

Add Rule


Start Time is equals to 2024.04.26 09:00.

Result is equals to Done.

SEARCH

CANCEL

If having **Fail** or **Warning** in the task result, you can click the task name with underline marking in Description to show the task details. If the task was deleted, the task name doesn't have an underline for you to click and see detailed information.

If the Description text goes beyond the cell width, it shows more info icon  on the right side. Click it to show the full text, including date/time, record type, executed activity, executed result, and description.


An activity failure of adding, editing, or deleting an item in DMS is not recorded in history.

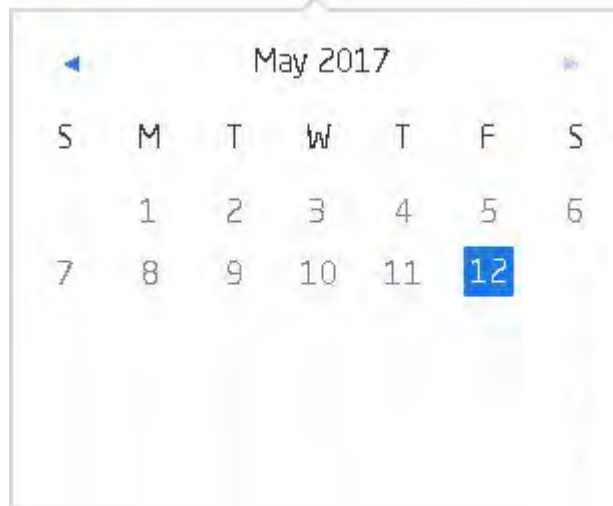
3.8.1. Export History

Figure 139 Export History

Click the Export icon  to show history export setting page.

Configure file format and history type, and then configure the time period. The supported file formats are PDF, Excel, and text. The supported history types are device, profile, settings, and task. You can choose one or several history types at the same time.

Then configure the date filter. Click the calendar icon  on the From and To date to select a filter range.



After selecting the from/to date, click **EXPORT** to export history records.

Click **CANCEL** to cancel this action and return to history overview window.

3.8.2. Supported Export File Formats

Device Management Software V24.03.0			
History Report			
This is an overview of all the event in Device Management Software.			
Time	Type	Result	Description
2024.04.24 09:54	Device / Grouped	Done	admin ungrouped 00:05:82:53:EC:68 of b8-111.
2024.04.24 09:54	Device / Ungrouped	Done	admin moved 00:05:82:53:EC:68 , 00:05:82:53:D8:0C to b8-111.
2024.04.23 13:49	Device / Grouped	Success	admin imported b8-111.
2024.04.23 13:48	Device / Grouped	Done	admin deleted b8-111.
2024.04.23 13:48	Device / Grouped	Done	admin added b8-111.
2024.04.23 13:48	Profile / Connection Profile	Done	admin added fs-cp-11.
2024.04.23 13:47	Profile / Device Profile	Success	admin imported fs-dp-11(1).
2024.04.23 13:47	Profile / Device Profile	Done	admin deleted fs-dp-11(1).
2024.04.23 13:47	Profile / Device Profile	Done	admin added fs-dp-11(1).
2024.04.23 13:47	Profile / Device Profile	Done	admin added fs-dp-11.
2024.04.19 16:34	Task / Device Profile Update	Warning	Errors occurred in 1. 00:30:04:1B:1B:BE , 00:30:04:00:00:02 was not implemented.
2024.04.19 16:19	Task / Added	Done	admin added 1.
2024.04.19 11:48	Device / Ungrouped	Done	admin moved 00:30:04:1B:A9:42 to DX-TEST.
2024.04.19 11:48	Device / Grouped	Done	admin ungrouped 00:30:04:1B:A9:42 of DX-TEST.
2024.04.19 11:19	Device / Grouped	Done	admin moved 00:30:04:00:00:02 to BB-ConnVDI.
2024.04.19 09:57	Profile / Device Profile	Done	admin added BB-ServerCert.
2024.04.19 09:55	Profile / Device Profile	Done	admin edited 2222.
2024.04.19 09:54	Profile / Device Profile	Done	admin added 2222.
2024.04.19 09:54	Profile / Device Profile	Done	admin added 1111.
2024.04.19 09:54	Profile / Device Profile	Done	admin deleted 0000.
2024.04.19 09:53	Profile / Device Profile	Done	admin added 000.
2024.04.19 09:41	Device / Ungrouped	Done	admin moved 00:30:04:00:00:02 , 00:30:04:1B:1B:BE to BB-TEST.

Figure 140 Export history file format - PDF

If **PDF** is selected in File Format, it exports a .pdf format file.



The exported file includes several sections. The DMS version and copyright information is shown on the upper right corner of the page. The major section shows all exported history records, including date/time, record type, executed result, and description. The latest item is shown on the top of the list.

The exported date and time is shown on the bottom left corner of the page. The current page number and the total number of pages are shown on the bottom right corner of the page.

	A	B	C	D
1	Time	Type	Result	Description
2	2017.05.11 17:00	Task	Done	1708 edited Test_InTask_Once.
3	2017.05.11 16:59	Task	Done	1708 edited Test_InTask_Once.
4	2017.05.11 16:12	Task	Done	1708 edited Test_InTask_Once.
5	2017.05.11 16:12	Task	Fail	Test_InTask_Once_3>0 was Failed. Invalid group.
6	2017.05.11 15:39	Task	Done	1708 added sTask_0_1494488400000.
7	2017.05.11 15:39	Device / Grouped	Done	1708 edited Test_InTask_01_A7.
8	2017.05.11 15:25	Task	Done	1708 added sTask_0_1494487800000.
9	2017.05.11 15:25	Device / Grouped	Done	1708 edited Test_InTask_01_A7.
10	2017.05.11 09:48	Task	Fail	sTask_1_1494553813553 was Failed. Invalid group.
11	2017.05.11 08:31	Task	Successfully	Test192_WR2_FR implemented Successfully.
12	2017.05.11 08:01	Task	Successfully	Test192_WS_Reboot_0 implemented Successfully.
13	2017.05.11 06:03	Task	Successfully	Test192_Once_FW_0 implemented Successfully.
14	2017.05.11 04:01	Task	Successfully	Test192_MR3_Off implemented Successfully.
15	2017.05.11 03:02	Task	Successfully	Test192_MR1_FW implemented Successfully.
16	2017.05.10 22:15	Task	Fail	Test192_Once_FS_NoG was Failed. Invalid group.
17	2017.05.10 22:01	Task	Warning	Some errors in Test192_MS_UpDev: 0030040DB30C , 0030040DB309 , 0030040DB30C , 0030040DB309 was not implemented.
18	2017.05.10 22:01	Task	Successfully	Test192_MS_UpConn implemented Successfully.
19	2017.05.10 22:01	Task	Successfully	Test192_MS_FW implemented Successfully.
20	2017.05.10 22:01	Task	Successfully	Test192_MS_FS implemented Successfully.
21	2017.05.10 20:30	Task	Successfully	N/A implemented Successfully.
22	2017.05.10 18:35	Device / Grouped	Done	1708 edited Test_InGroup_48.
23	2017.05.10 18:34	Device / Grouped	Done	1708 edited Test_InGroup_48.
24	2017.05.10 18:34	Device / Grouped	Done	1708 edited Test_InGroup_48.
25	2017.05.10 18:30	Task	Done	1708 added sTask_2_1494498605746.
26	2017.05.10 18:29	Profile / Connection Profile	Done	1708 edited Test_InGroup.
27	2017.05.10 18:29	Device / Grouped	Done	1708 added Test_InGroup_47.
28	2017.05.10 18:26	Task	Done	1708 added sTask_2_1494412252087.
29	2017.05.10 18:26	Profile / Connection Profile	Done	1708 edited Test_InGroup.
30	2017.05.10 18:24	Task	Done	1708 added sTask_1_1494498342956.
31	2017.05.10 18:24	Profile / Device Profile	Done	1708 edited Test_InGroup_A7.
32	2017.05.10 18:23	Device / Grouped	Done	1708 edited Test_InTask_01_A7.

Figure 141 Export history file format - Excel

If **EXCEL** is selected in File Format, it exports an excel format file.

The exported file includes four columns: date/time, record type, executed result, and description. The latest item is shown on the top of the list.



```
"Time","Type","Result","Description"
"2017.05.11 17:00","Task","Done","1708 edited Test_InTask_Once."
"2017.05.11 16:59","Task","Done","1708 edited Test_InTask_Once."
"2017.05.11 16:12","Task","Done","1708 edited Test_InTask_Once."
"2017.05.11 16:12","Task","Fail","Test_InTask_Once_3>0 was Failed. Invalid group."
"2017.05.11 15:39","Task","Done","1708 added sTask_0_1494488400000."
"2017.05.11 15:39","Device / Grouped ","Done","1708 edited Test_InTask_01_A7."
"2017.05.11 15:25","Task","Done","1708 added sTask_0_1494487800000."
"2017.05.11 15:25","Device / Grouped ","Done","1708 edited Test_InTask_01_A7."
"2017.05.11 09:48","Task","Fail","sTask_1_1494553813553 was Failed. Invalid group."
"2017.05.11 08:31","Task","Successfully","Test192_WR2_FR implemented Successfully."
"2017.05.11 08:01","Task","Successfully","Test192_WS_Reboot_0 implemented Successfully."
"2017.05.11 06:03","Task","Successfully","Test192_Once_FW_0 implemented Successfully."
"2017.05.11 04:01","Task","Successfully","Test192_MR3_Off implemented Successfully."
"2017.05.11 03:02","Task","Successfully","Test192_MR1_FW implemented Successfully."
"2017.05.10 22:15","Task","Fail","Test192_Once_FS_NoG was Failed. Invalid group."
"2017.05.10 22:01","Task","Warning","Some errors in Test192_MS_UpDev. 0030040DB30C , 0030040DB30C , 0030040DB30C , 0030040DB309 was not implemented."
"2017.05.10 22:01","Task","Successfully","Test192_MS_UpConn implemented Successfully."
"2017.05.10 22:01","Task","Successfully","Test192_MS_FW implemented Successfully."
"2017.05.10 22:01","Task","Successfully","Test192_MS_FS implemented Successfully."
"2017.05.10 20:30","Task","Successfully","N/A implemented Successfully."
"2017.05.10 18:35","Device / Grouped ","Done","1708 edited Test_InGroup_48."
"2017.05.10 18:34","Device / Grouped ","Done","1708 edited Test_InGroup_48."
"2017.05.10 18:34","Device / Grouped ","Done","1708 edited Test_InGroup_48."
"2017.05.10 18:30","Task","Done","1708 added sTask_2_1494498605746."
"2017.05.10 18:29","Profile / Connection Profile","Done","1708 edited Test_InGroup."
"2017.05.10 18:29","Device / Grouped ","Done","1708 added Test_InGroup_47."
"2017.05.10 18:26","Task","Done","1708 added sTask_2_1494412252087."
"2017.05.10 18:26","Profile / Connection Profile","Done","1708 edited Test_InGroup."
"2017.05.10 18:24","Task","Done","1708 added sTask_1_1494498342956."
```

Figure 142 Export history file format - Text

If **TEXT** is selected in File Format, it exports a text format file.

Each exported data is put within inverted commas “ ”. A comma mark (,) separates two exported data.

The exported file includes four items of information: date/time, record type, executed result, and description. The latest item is shown on the top of the list.

3.9 Settings

The Settings page lets you configure and manage device firmware, connection certificate file, asset image, DMS user account, and server. Only administrators can configure the settings. The account and DMS setting are configured with defaulted values. You can change the settings depending on the actual circumstances.

3.9.1. File


(1) BIOS/SW

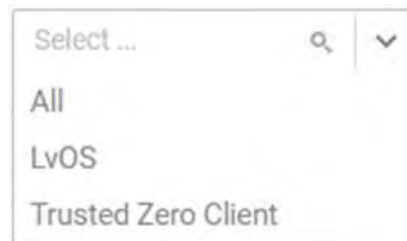
Name	Version	Client	Last Edited
BIOS_Bilby_1.2.35_20240315	1.2.35	Trusted Zero Client	2024.04.25 01:01
BIOS_FS-FP5V_1.7.54_20230701	1.7.54	Trusted Zero Client	2024.04.25 01:00
OS_29BAC00_1.8.9_20230924	1.8.9	Trusted Zero Client	2024.04.25 00:57
BIOS_29B5C00_1.5.81_20240405	1.5.81	Trusted Zero Client	2024.04.25 00:54
OS_29BAC00_1.1.57_20240104	1.1.57	Trusted Zero Client	2024.04.25 00:52
OS_FS-FP5V_1.7.43_20230915	1.7.43	Trusted Zero Client	2024.04.25 00:51
BIOS_29B8C00_1.2.82_20231223	1.2.82	Trusted Zero Client	2024.04.25 00:50
OS_29B5C00_1.3.82_20230514	1.3.82	Trusted Zero Client	2024.04.25 00:49
OS_29BXC00_1.7.81_20240108	1.7.81	Trusted Zero Client	2024.04.25 00:47


Figure 143 Device BIOS/OS/Certificate Setting

Click **Settings** in the left side of the screen. The default window is on BIOS/OS setting page, which shows device file information, including BIOS, OS and Certificate.

The BIOS/SW page shows BIOS/SW list supported by LvOS devices and Trusted Zero Client devices. The list will be retrieved again each time you enter the page and sorted in descending order of "Last Edited Time". The last edited item will be displayed first.

DMS displays the list for all types of client devices by default. Administrators can click the icon  to select the displayed types, including: All, LvOS and Trusted Zero Client.



In search field , you can search any data that meets your search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.



Click each column header to sort the data in order of letter or number.

Sort data in ascending order

^ Name
BIOS_29B2C00_1.2.58_20230527
BIOS_29B2C00_1.2.62_20231015
BIOS_29B2C00_1.4.62_20230505
BIOS_29B2C00_1.5.12_20230228

Sort data in descending

^ Name
OS_FS-FP5V_1.6.45_20230413
OS_FS-FP5V_1.6.19_20230730
OS_FS-FP5V_1.5.82_20231023
OS_Bilby_1.6.70_20230824




order

Choose a file from the list and click a toolbar icon at the top of the window




to edit, view, or delete the file. For Trusted Zero Client, the files are

sourced from Anyware Trust Center, so it can only obtain the list and cannot perform other actions such as editing, viewing, and deletion.

- Click the edit icon  in the toolbar to edit the file data.
- Click the view icon  in the toolbar or click the left mouse button twice to view the file information.
- Click the delete icon  in the toolbar to delete the file.

Right-click a file from the list to show a shortcut list of editing, viewing, and deleting a file, which is the same as the icons in the toolbar.

Name	Version	Client	^ Last Edited
OS_FS-FP5V_1.1.45_20231031	1.1.45	LvOS	2023.11.01 00:01
OS_29BAC00_1.6.47_20230118	1.6.47	Zero Client	2023.11.01 00:02
 BIOS_29BXC00_1.7.10_20221115	1.7.10	Zero Client	2023.11.01 00:03

Edit

View


Delete

A. Add BIOS/SW





Before adding a file, ensure Device Type data has been created and configured in DMS.

Currently DMS only support BIOS and OS update for thin clients installed with LvOS operating system.

Figure 144 Add BIOS/SW

Click the ADD icon  in File setting page to create a new file item.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- In Info page, there are several items which include file upload, file type, device type, file version, build date, and description. Only the fields file upload and description can be edited. Others are read-only fields.
- File (X): Select the file you would like to upload. You can select one or many files. Click the upload icon  to show the file selection page.
After confirming, this field shows the file name and file number (X). The upload file icon  is changed to the view file icon . Click the icon to expand and show the file list you want to upload. Click the leave icon  to collapse the expanded file list. This field must be chosen.
- DMS will check the uploaded file name. The file name rule is: **file type_device type_version_build date**. The **File Type** is BIOS or OS.

The **Device Type** must exist in DMS beforehand. For instance:

29B8C00. **Version** only allows numbers (0-9) and periods (.). **Build Date** is an 8-digit number representing the date (yyyymmdd) of releasing the file. The date cannot be greater than the uploading date (no future date is allowed).

- DMS will check the uploaded file and automatically fill its relevant information in read-only fields, such as file type, device type, version, and build date.
- Description: Lets you enter the file description. The length of the description is 200 characters. This field is optional.
- Click **ADD** to add the new file and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.


B. View BIOS/SW

The screenshot shows a web interface titled "View BIOS/SW". On the left, there is a sidebar with a "Info" tab. The main content area displays the following information:

File(1)	
BIOS_29B8C00_1.7.80_20230607.zip	
File Type	Device Type
BIOS	29B8C00
Version	Build Date
1.7.80	2023.06.07
Description	
N/A	
Create Time	Edit Time
2024.04.25 01:18 by 0008	2024.04.25 01:18 by 0008



At the bottom of the interface, there are two buttons: "EDIT" and "CANCEL".

Figure 145 View BIOS/SW - 1

Choose a file from the list and click the view icon  in the toolbar or click the left mouse button twice to view file configuration information. You can also right click a file from the list to show the **View** option.



The window shows file information, including file name and number (X), file type, device type, version, build date, description, created and edited time.

Click the expand icon  to expand and show uploaded file list. Click the Leave icon  to collapse the expanded file list. Figure 65

Click **EDIT** to enter file editing page.

Click **CANCEL** to close the page and return to file overview window.

Click the **Delete Item** icon  **Delete Item** to delete the file item.

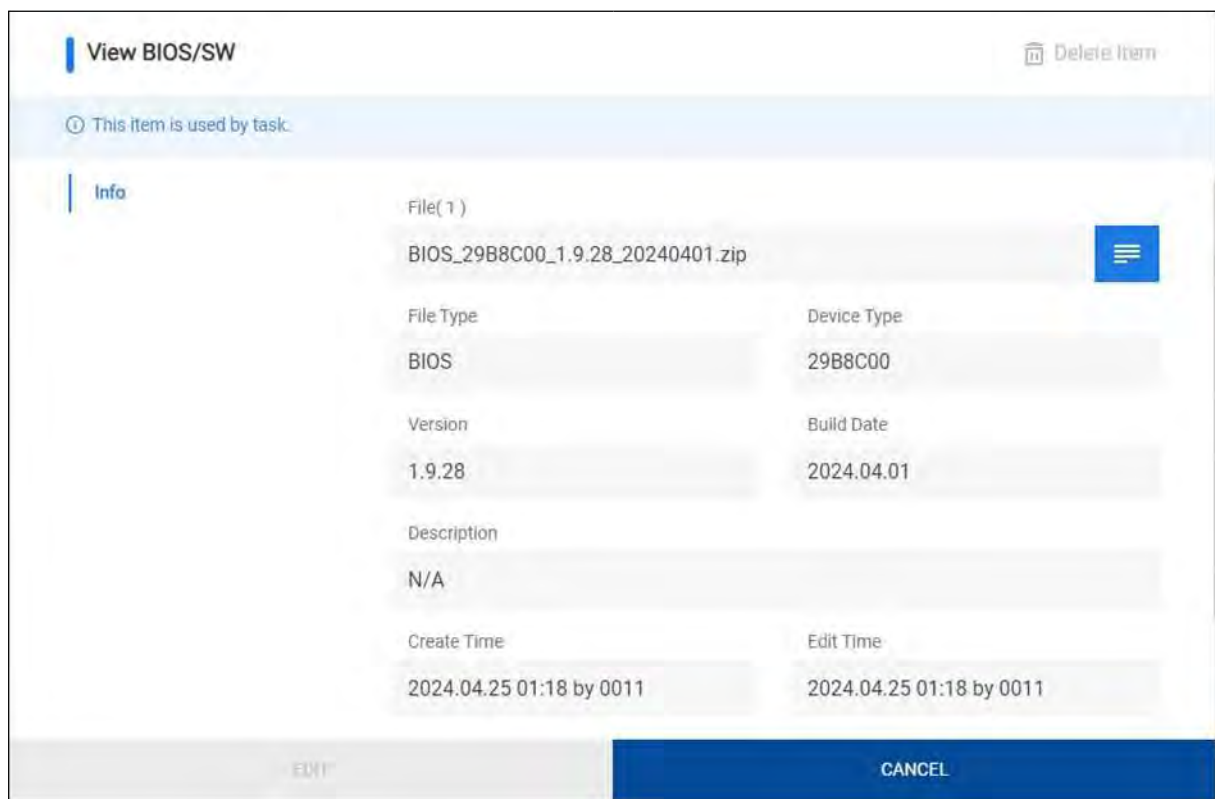



Figure 146 View BIOS/SW - 2


If the viewing file was assigned in a task, a message **This item is used by task.** appears on the View File window. You can only view a scheduled file and its details but cannot edit or delete it.

Click **CANCEL** to leave the View File window.

C. Edit BIOS/SW

Figure 147 Edit BIOS/SW

Choose a file from the list and click the edit icon  in the toolbar to edit file configuration. You can also right-click a file from the list to show the **Edit** option. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- In Info page, there are several items which include file upload, file type, device type, file version, build date, and description. Only the field **Description** can be edited. Others are read-only fields.
- **Note:** DMS version 2.3.0 and above only support firmware (OS) uploading feature. Due to the change of file format and verifying mechanism in newer DMS versions, you are not able to save older firmware files successfully, when the older files are edited and saved.
- Device Type: This field is read only and cannot be modified.
- File (X): This field is read only and cannot be modified. This field shows the file name and file number (X means the number). Click the view file icon  to expand and show the applied file list. Click the

Leave icon ^{Figure 65} to collapse the expanded file list.

- File Type, device type, version and build date are read only and cannot be modified.
- Description: Lets you enter the file description. The length of the description is 200 characters. This field is optional.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page back to the default state.
- Click **CANCEL** to cancel the changes and leave the editing page.

D. Delete BIOS/SW

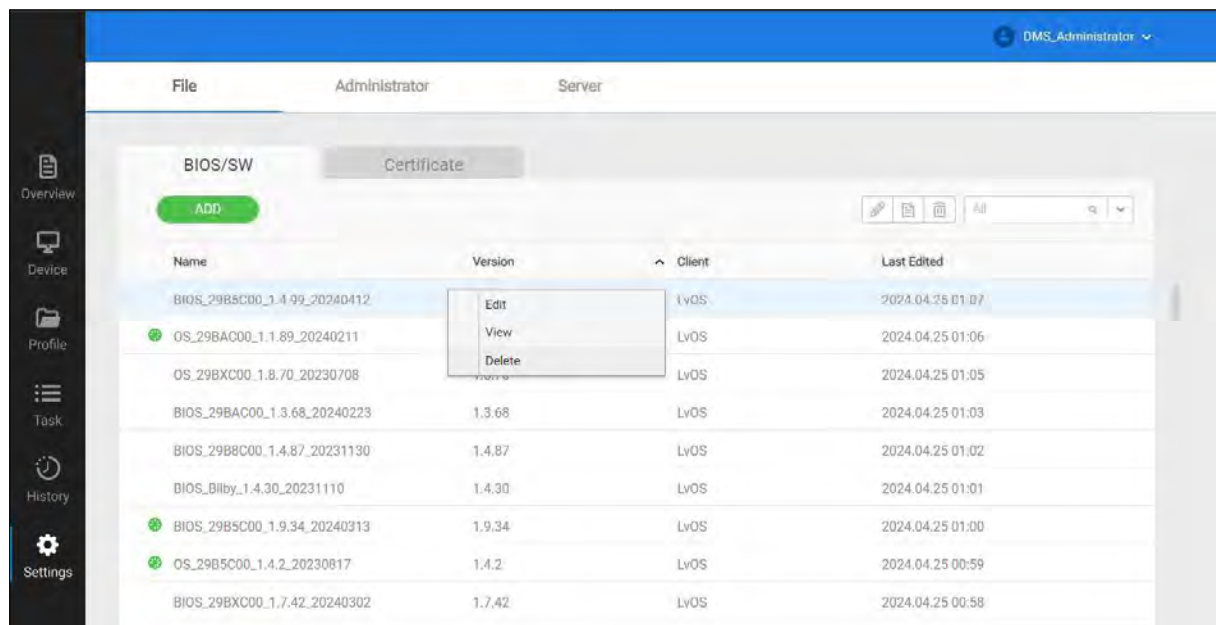



Figure 148 Delete BIOS/SW

Choose a file from the list and click the delete icon  in the toolbar to delete the selected file. You can also right-click a file from the list to show the **Delete** option.

A confirmation dialogue appears. Click **Cancel** to leave the window without changes or click **Delete** to confirm the deletion.


When a file updating task is processing on some devices, the file cannot be deleted.
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(2) Certificate


Certificate File	Issue to	Issue by	Expiration Date	Last Edited
077_CertFile.pem	LR_077_U	29B_0_CA	2026.12.13 00:00	2024.04.25 01:17
076_CertFile.pem	LR_076_U	29B_3_CA	2026.02.08 00:00	2024.04.25 01:16
075_CertFile.pem	LR_075_U	29B_3_CA	2027.04.21 00:00	2024.04.25 01:15
074_CertFile.pem	LR_074_U	29B_1_CA	2026.01.27 00:00	2024.04.25 01:14
073_CertFile.pem	LR_073_U	29B_1_CA	2026.08.29 00:00	2024.04.25 01:13
072_CertFile.pem	LR_072_U	29B_2_CA	2023.11.19 00:00	2024.04.25 01:12
071_CertFile.pem	LR_071_U	29B_0_CA	2025.08.23 00:00	2024.04.25 01:11
070_CertFile.pem	LR_070_U	29B_1_CA	2023.06.24 00:00	2024.04.25 01:10
069_CertFile.pem	LR_069_U	29B_3_CA	2027.01.23 00:00	2024.04.25 01:09

Figure 149 Certificate Setting

Click **Settings** in the left side of the screen and then click **Certificate** page, which shows previously uploaded certificate information, including file name, issue to/by, expiration date, and the last edited time. The list defaults to the descending order of "Last Edited Time", and the last edited item will be displayed first.

In search field , you can search any data that meets your search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.

Click the advanced search icon  to show advanced search screen. You can define search criteria (e.g. Certificate File, Issue to, Issue by and Expiration Date) to find particular data in file setting screen. After choosing the criteria you want to use and

 **Add Rule** search words, click the add rule icon

to add rule in search list. You can add one or several search

criteria. After completing the setting, click **SEARCH** to start data searching; click **CANCEL** to close search screen and go back to certificate setting screen.



Click each column header to sort the data in order of letter or number.





^ Certificate File	Certificate File
001_CertFile.pem	066_CertFile.pem
002_CertFile.pem	065_CertFile.pem
003_CertFile.pem	064_CertFile.pem
004_CertFile.pem	063_CertFile.pem

Sort data in ascending order or descending order

Choose a file from the list and click a toolbar icon at the top of the window



to edit, view, extend, or delete the certificate file.

- Click the edit icon  in the toolbar to edit the certificate.
- Click the view icon  in the toolbar or click the left mouse button twice to view the certificate details.
- Click the extend icon  in the toolbar to extend the certificate period.
- Click the delete icon  in the toolbar to delete the certificate.

Right-click a file from the list to show a shortcut list of editing, viewing, extending, and deleting a certificate, which is the same as the icons in the toolbar.

Certificate File	Issue to	Issue by	Expiration Date	Last Edited
091_CertFile.pem	<div>Edit</div>	29B_3_CA	2022.12.05 00:00	2023.11.08 01:31
090_CertFile.pem	<div>View</div>	29B_1_CA	2025.07.30 00:00	2023.11.08 01:30
089_CertFile.pem	<div>Extend</div>	29B_3_CA	2024.11.09 00:00	2023.11.08 01:29
088_CertFile.pem	<div>Delete</div>	29B_3_CA	2025.06.30 00:00	2023.11.08 01:28
	LR_088_U			

A. Add Certificate

Add Certificate

Reset Form

Info

Upload Certificate File

No File Selected

Issue To

Issue By

Expiration Date


Description

Up to 255 characters



ADD



CANCEL

Figure 150 Add Certificate


Click the ADD icon  in Certificate setting page to create a new certificate item. Please fill out or choose from all fields marked by asterisk (*).

These fields must be filled in or configured.

- In Info page, there are several items which include upload certificate file, issue to/by, expiration date, and description. Only the fields **Upload Certificate File** and **Description** can be edited. Others are read-only fields.
- Upload Certificate File: Select the certificate file you would like to upload. You can only select one file with file format .pem. If your certificate uses other format, you have to use openssl software or other software to transfer it to .pem before uploading. Click the upload icon  to show the file selection page. After confirming, this field shows the file name. The upload file icon  is

changed to the view file icon . Click the icon to expand and show the file list you want to upload. Click the leave icon  to collapse the expanded file list.

This field must be chosen.

- DMS will check the uploading file format and content. If the certificate was expired or cannot interpret the certificate content, the upload will fail and show an error message. Also, an existing certificate cannot be uploaded again.
- DMS will check the uploaded file and automatically fill its relevant information in read-only fields, such as issue to, issue by, and expiration date.
- Description: Lets you enter the certificate description. The length of the description is 200 characters. This field is optional.
- Click **ADD** to add the new certificate file and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

B. View Certificate

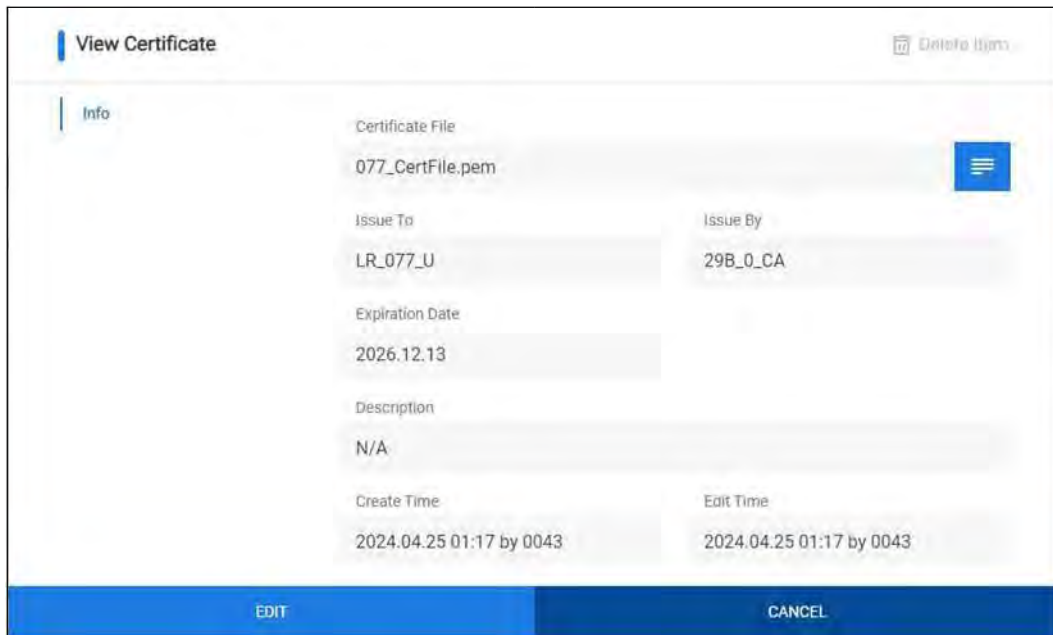





Figure 151 View Certificate

Choose a file from the list and click the view icon  in the toolbar or click the left mouse button twice to view certificate information. You can also right-click a file from the list to show the **View** option.

The window shows previously uploaded certificate information, including file name, issue to/by, expiration date, description, and the added/edited date.

Click the expand icon  to expand and show uploaded certificate list. Click the Leave icon  to collapse the expanded file list.


Click **EDIT** to enter file editing page.



Click **CANCEL** to close the page and return to file overview window.

Click the **Delete Item** icon  **Delete Item** to delete the file item.

C. Edit Certificate

Figure 152 Edit Certificate


Choose a certificate from the list and click the edit icon  in the toolbar to edit certificate configuration. You can also right-click a file from the list to show the **Edit** option. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.



- In Info page, there are several items which include upload certificate file, issue to/by, expiration date, and description. Only the field **Description** can be edited. Others are read-only fields.
- Upload Certificate File: This field is read only and cannot be modified. This field shows the certificate name. Click the view file icon  to expand and show the applied file list. Click the Leave icon  to collapse the expanded file list.
- Issue To, Issue By, and Expiration Date are read only and cannot be modified.
- Description: Lets you enter the certificate description. The length of the description is 200 characters. This field is optional.
- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.



- Click the **Reset Form** icon **Figure 16** to reset the page back to the default state.
- Click **CANCEL** to cancel the changes and leave the editing page.


D. Extend Certificate

Figure 153 Extend Certificate

Choose an expired certificate from the list and click the extend icon  in the toolbar to extend certificate. You can also right-click the expired certificate from the list to show the **Extend** option. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- In Info page, there are two display blocks: original file and extend file. The original file shows read-only fields: issue to, issue by, and expiration date.
- Upload Certificate File: In extend file, select the certificate file you would like to upload. You can only select one file with file format .pem. If your certificate uses other format, you have to use openssl software or other software to transfer it to .pem before uploading. Click the upload icon  to show the file selection page. After confirming, this field shows the file name. The upload file icon  is

changed to the view file icon . Click the icon to expand and show the file list you want to upload. Click the leave icon  to collapse the expanded file list. This field must be chosen.

- DMS will check the uploading file format and content. If the certificate was expired or cannot interpret the certificate content, the upload will fail and show an error message. Also, if the extend certificate file doesn't match the original issuing unit and the issuer, the new certificate cannot be successfully uploaded.
- DMS will check the uploaded file and automatically fill its relevant information in read-only fields, such as issue to, issue by, and expiration date.
- Click **EXTEND** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon  to reset the page back to the default state.
- Click **CANCEL** to cancel the changes and leave the extending page.

E. Delete Certificate

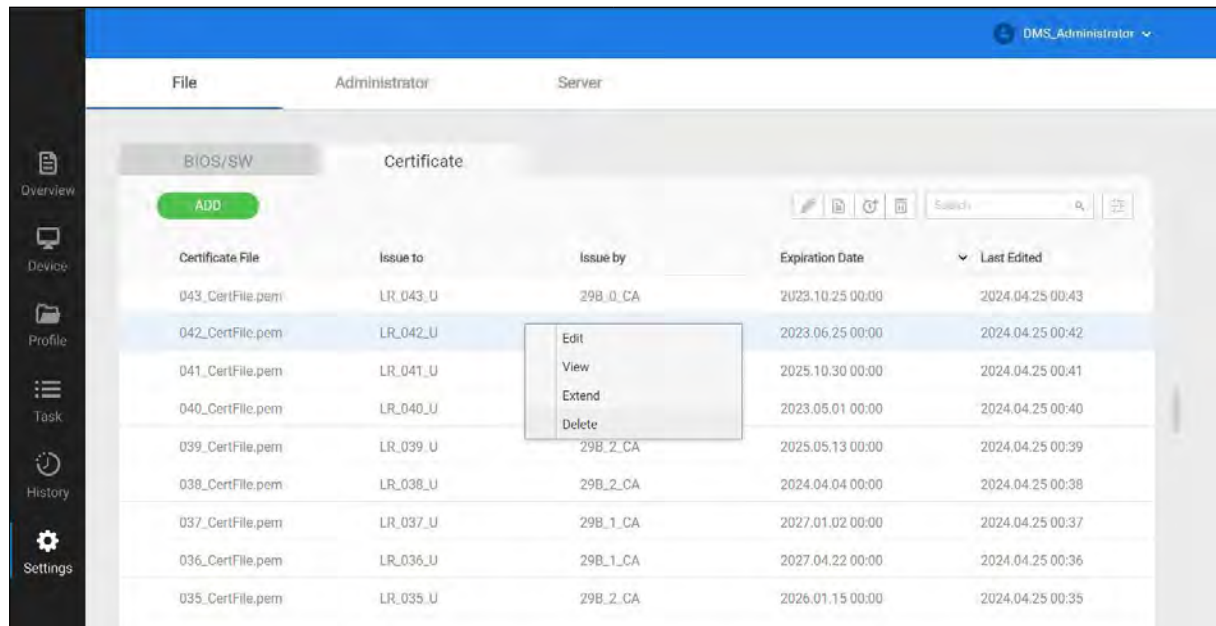



Figure 154 Delete Certificate

Choose a file from the list and click the delete icon  in the toolbar to delete the selected certificate. You can also right-click a file from the list to show the **Delete** option.

A confirmation dialogue appears. Click **Cancel** to leave the window without changes or click **Delete** to confirm the deletion.

When a certificate is applied to a group, the file cannot be deleted.


3.9.2. Administrator


User ID	Access Level	Name	Department	Title	Extension
0761	Admin	Linda	RD Team	Engineer	381
1777	Admin	Barbara	RD Team	Engineer	140
2833	Admin	Jennifer	DV Team	Engineer	595
5750	Admin	Maria	RD Team	Section Manager	517
7225	Viewer	Patricia	UI Team	Section Manager	166
8881	Viewer	Elizabeth	RD Team	Section Manager	391

Figure 155 Administrator Setting

Click **Settings** in the left side of the screen and move to **Administrator** page. It shows DMS user information.

The Administrator page shows established DMS user information, including user ID, access level, user name, department, job title, and phone extension. The list defaults to the descending order of "User ID". Data with smaller numbers, letters arranged in front or characters with fewer strokes will be displayed first.

In search field , you can search any data that meets your search criteria. The system compares your entry to the data in the current list and displays matching data with a highlighted color above the list.

Click the advanced search icon  to show advanced search screen. You can define search criteria (e.g. Access Level, User ID, Name, Department, Title, Extension, Create User and Create Time) to find particular data in administrator setting screen. After choosing the criteria you want to use and entering your search words, click the add rule icon



to add rule in search list. You can add one or several search criteria. After



completing the setting, click **SEARCH** to start data searching; or click **CANCEL** to close search screen and go back to administrator setting screen.

Advanced Search Reset Form

Filter

All (and)

User ID contains

List

- Access Level is equals to Admin
- User ID contains 123

+ Add Rule

SEARCH CANCEL




Click each column header to sort the data in order of letter or number.




^ User ID
1708
1852
admin
viewer



Sort data in ascending order or descending order

Choose a user from the list and click a toolbar icon at the top of the window

   to edit, view, or delete the user data.

- Click the edit icon  in the toolbar to edit the user data.
- Click the view icon  in the toolbar or click the left mouse button twice to view the user information.
- Click the delete icon  in the toolbar to delete the user.


Right-click a user from the list to show a shortcut list of editing, viewing, and deleting a user, which is the same as the icons in the toolbar.

User ID	Access Level	Name	Department	Title	Extension
001	Admin	<div>Edit</div>	RD2	N/A	230
002	Admin	<div>View</div>	RD2	N/A	231
Admin_01	Admin	<div>Delete</div>	N/A	N/A	N/A

You can choose one or more users at the same time. The active functions (i.e. isn't grayed out) in the toolbar or the shortcut list are different in accordance with different choices.

(1) Add Administrator




Figure 156 Add Administrator

Click the ADD icon  in Administrator setting page to create a new administrator account. Please fill out or choose from all fields marked by asterisk (*).


These fields must be filled in or configured.

- Access Level: Select an access level from the drop-down list – Admin or Viewer.
An **Admin** (Administrator) has the full authority to view, add, edit, and delete data. A **Viewer** only has partial authority to view data.
This field must be chosen.
- User ID: You must configure a user ID, which is identified as DMS log-in account name. The length of the name field is 4-20 characters.

Space is not allowed in user ID.

- **Name:** Configure the user name. The length of the field is 1-20 characters. This field must be filled in. Space is not allowed in user name.
- **Department:** Configure department information. This field is optional.
Space is not allowed in department name.
- **Title:** Configure job title information. The length of the field is 20 characters. This field is optional. Space is not allowed in job title.
- **Extension:** Configure phone extension number. The length of the field is 20 characters. This field is optional. Space is not allowed in extension field.
- **Password:** Configure password, which is identified as DMS log-in password. The password must be at least 6 but no more than 16 characters in length. This field must be configured. Space is not allowed in password. After clicking the field, you can edit the password and display the password icon. Click the Show Password icon  to display the data in the password field; click the Hide Password icon  to hide the data in the password field.
- If user information is imported from user account system LDAP, click the icon  to expand and show LDAP account data. If account data is imported from LDAP, the **User ID**, **Name**, **Department**, **Title**, and **Extension** data are read only and cannot be modified.

Note: The field data must be set first before expanding LDAP data. After expanding LDAP data, click account item from the list or search the account you want to add with the criteria of **User ID**, **Name**, **Department**, **Title**, or

Extension. With search criteria of **Department** or **Title**, the list is shown in group. Click the group name will show staffs in that department or title. Click the icon  to collapse the expanded account list.

Note: Configure **Directory Service** in **Settings** -> **Server** first, before importing account data from LDAP.

- Click **ADD** to add the account data and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- If the added account is imported from LDAP, only the user ID is required to log in DMS.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first page.
- Click **CANCEL** to close the page and return to administrator overview window.

(2) View Administrator

View Administrator Delete Item

① This account is created by LDAP.

Info	Access Level	User ID
	Admin	1777
	Name	Department
	Barbara	RD Team
	Title	Extension
	Engineer	140
	Create Time	
	2024.04.25 00:03 by 0017	

EDIT **CANCEL**

Figure 157 View Administrator

Choose an administrator from the list and click the view icon in the toolbar or click the left mouse button twice to view user information. You can also right click an administrator from the list to show the **View** option.

If account data is imported from LDAP, a message **This account is created by LDAP.** is displayed on the screen.

The window shows administrator information, including access level, user ID, user name, department, job title, extension, created and edited time.

Click **EDIT** to enter administrator editing page.

Click **CANCEL** to close the page and return to administrator overview window.

Click the **Delete Item** icon  **Delete Item** to delete the administrator item.

(3) Edit Administrator

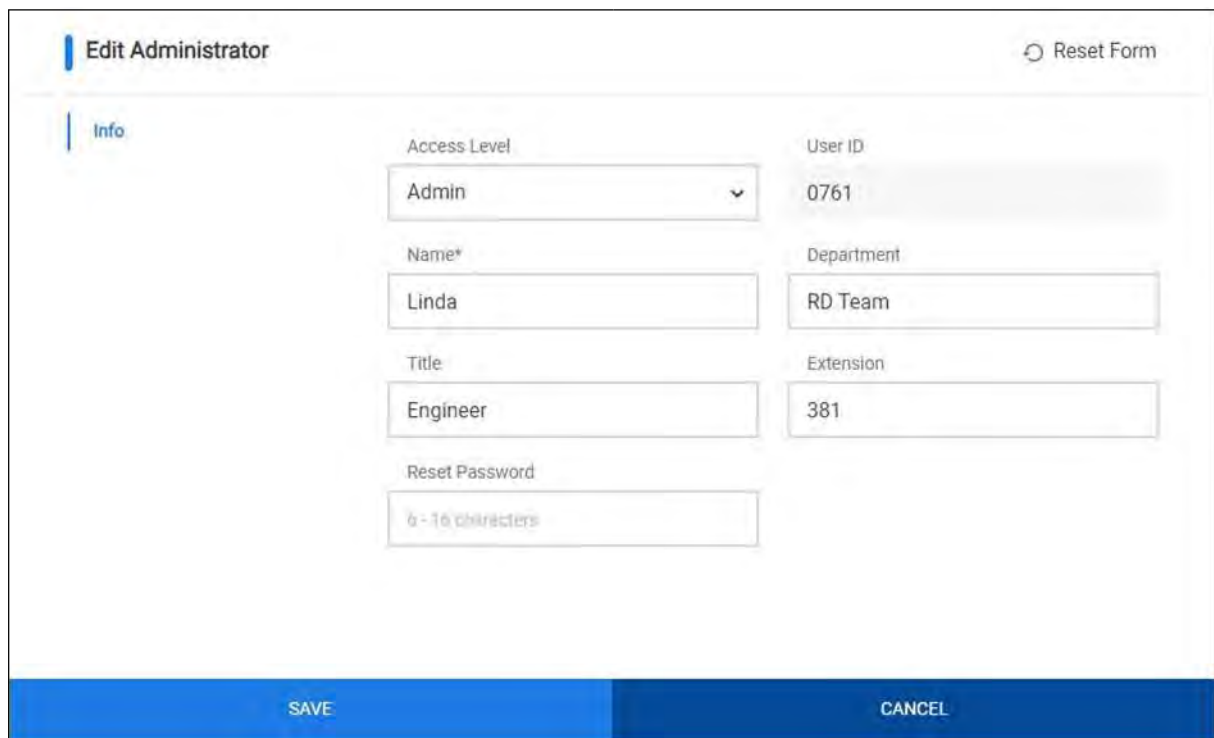



Figure 158 Edit Administrator



Choose an administrator from the list and click the edit icon  in the toolbar to edit administrator data. You can also right-click an administrator from the list to show the **Edit** option. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Access Level: Select an access level from the drop-down list – Admin or Viewer.

An **Admin** (Administrator) has the full authority to view, add, edit, and delete data. A **Viewer** only has partial authority to view data.

This field must be chosen.



- User ID: The user ID data is read only and cannot be modified.
- Name: Configure the user name. The length of the field is 4-20 characters. This field must be filled in. Space is not allowed in user name.
- Department: Configure department information. This field is optional. Space is not allowed in department name.
- Title: Configure job title information. The length of the field is 20 characters. This field is optional. Space is not allowed in job title.
- Extension: Configure phone extension number. The length of the field is 20 characters. This field is optional. Space is not allowed in extension field.
- Reset Password: Configure your password, which is identified as DMS log-in password. The password must be at least 6 but no more than 16 characters in length. This field must be configured. Space is not allowed in password. After clicking the field, you can edit the password and display the password icon.
Click the Show Password icon  to display the data in the password field;
click the Hide Password icon  to hide the data in the password field.

Note: If account data is imported from LDAP, the **User ID, Name, Department, Title,** and **Extension** data are read only and cannot be modified. You can only configure **Access Level**.

- Click **SAVE** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the unedited state.
- Click **CANCEL** to cancel the changes and leave the editing page.

(4) Delete Administrator

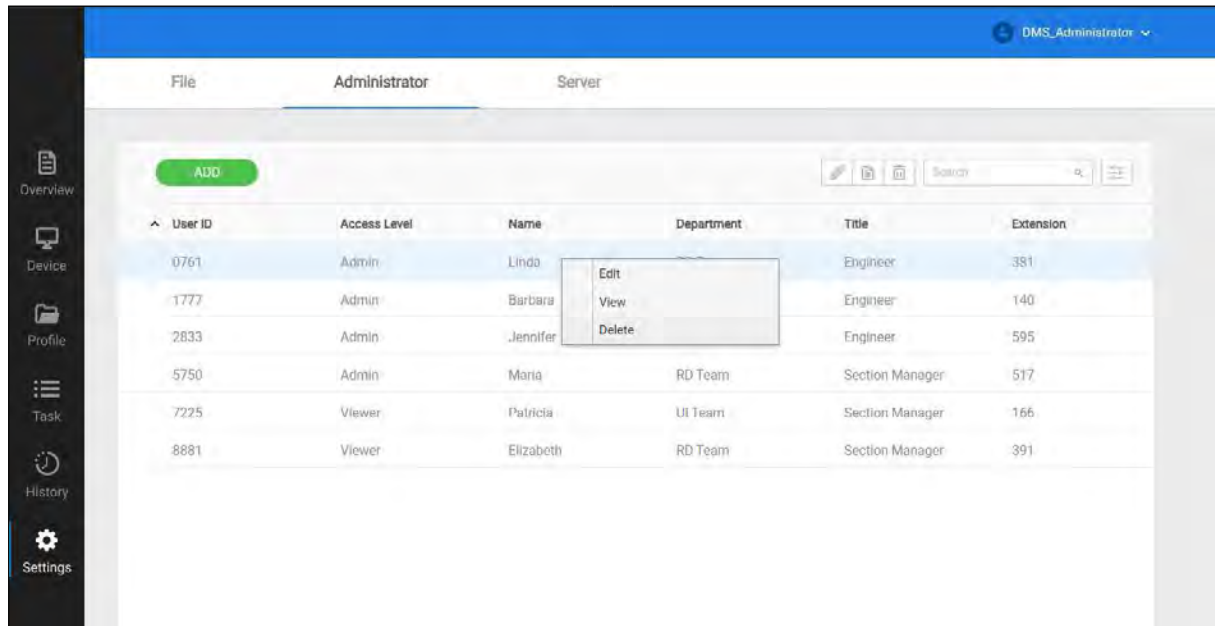



Figure 159 Delete Administrator

Choose an administrator from the list and click the delete icon  in the toolbar to delete the selected administrator. You can also right-click an administrator from the list to show the **Delete** option.

The DMS has a default user account **administrator** for you to log in and configure settings. There is at least one user with **Admin** access level to perform DMS management. The default user cannot be deleted.

If the deleted user stays in DMS, any further activity will force the user to log out and return to log in window.

A confirmation dialogue appears. Click **Cancel** to leave the window without changes or click **Delete** to confirm the deletion.

3.9.3. Server

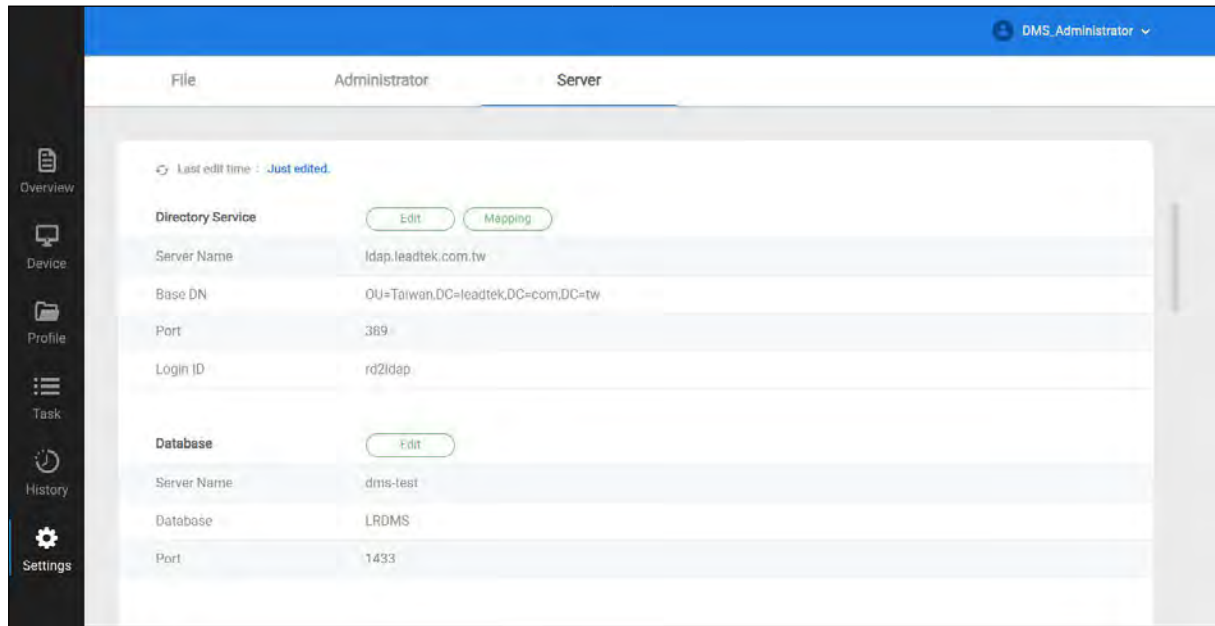



Figure 160 Server Overview

Click **Settings** in the left side of the screen and move to **Server** page. It shows DMS server information.

The Server page shows **Directory Service**, **Database**, **File Store Area**, **Anywhere Trust Center** settings and server information. If you would like to integrate user account system LDAP, change database, or update file store area, click the **Edit** icon  on the item that you would like to change to edit the settings. **Database** and **File Store Area** are included in DMS package by default. If you have no specific needs, you do not need to change any settings.

In the upper side of the screen, it shows the last edited date and time.

(1) Directory Service

The Directory Service page lets you configure directory service server settings. It supports Microsoft Active Directory and LDAP. The DMS log-in account can be integrated in user directory service account.

Edit Directory Service

Reset Form

Info

Search Filter

Type

LDAP

Base DN*

dc=hp,dc=com

Server Name*

hp-svcs01.com

Port*

389

Login ID*

admin

Reset Password*


☒ Append Base DN to User DN

Next >



SAVE

CANCEL

Figure 161 Edit LDAP settings

Click the Edit icon  at the side of Directory Service to edit directory service settings.

Click **Info** or any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Type: a drop-down menu for you to choose a directory service type, including LDAP and Microsoft Active Directory (Microsoft AD). This field must be chosen. The default setting is LDAP for you to configure LDAP relating settings.
- Base DN: The distinguished name of the search base object defines the location in the directory from which the directory service search begins. This field must be configured. Space is not allowed in base DN.
- Server Name: Configure server name, which is the location of directory service. This field must be filled in. Space is not allowed in server name.
- Port: Configure server port. This field must be filled in. Space is not allowed in port field.
- Login ID: Configure log-in ID, which is the LDAP user account. The account must have the authority to search LDAP data and LDAP search base. This field must be configured. Space is not allowed in login ID.
- Reset Password: Configure password, which is the LDAP user password. This field must be filled in. Space is not allowed in password. After clicking the field, you can edit the password and display the password icon. Click the Show Password icon  to display the data in the password field; click the Hide Password icon  to hide the data in the password field.
- Append Base DN to User DN: The checkbox is checked by default, which saves User DN under Base DN. If User DN isn't located under Base DN, you can uncheck this field.
- Click **Next >** or the **Search Filter** tab on the left to move to the next setting page. Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the unedited state.
- Click **CANCEL** to cancel the changes and leave the editing page.

Edit Directory Service Reset Form

Info
Search Filter

Type: Microsoft Active Directory

Base DN*:

Server Name*:

Port*:

Login ID*:

Reset Password*:


☒ Append Domain to Login ID

Domain*:

Next >

SAVE CANCEL

Figure 162 Microsoft Active Directory settings - Info

Click the Edit icon  by the side of Directory Service to edit directory service settings.

Click **Info** or any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*).

These fields must be filled in or configured.

- **Type:** a drop-down menu for you to choose a directory service type, including LDAP and Microsoft Active Directory (Microsoft AD). This field must be chosen. The default setting is LDAP. Choose **Microsoft Active Directory** to configure Microsoft AD relating settings.

Base DN: The distinguished name of the search base object defines the location in the directory from which the directory service search begins. This field must be configured. Space is not allowed in base DN.

- **Server Name:** Configure server name, which is the location of directory service. This field must be filled in. Space is not allowed in server name.



-
- Port: Configure server port. This field must be filled in. Space is not allowed in port field.
- Login ID: Configure log-in ID, which is the Active Directory user account. The account must have the authority to search AD data and LDAP search base. This field must be configured. Space is not allowed in login ID.
- Reset Password: Configure password, which is the Active Directory user password. This field must be filled in. Space is not allowed in password. After clicking the field, you can edit the password and display the password icon. Click the Show Password icon  to display the data in the password field; click the Hide Password icon  to hide the data in the password field.
- Domain: Configure the Active Directory domain name. This field must be filled in. Space is not allowed in domain name.
- Append Domain to Login ID: The checkbox is checked by default. When the field is checked, except login ID, AD login account will also include domain information, e.g. domain\Login ID. If you don't need to add domain information, you can uncheck this field.
- Click **Next >** or the **Search Filter** tab on the left to move to the next setting page. Click **Save** to save the changes and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the unedited state.
- Click **CANCEL** to cancel the changes and leave the editing page.

Figure 163 Search Filter setting

The LDAP or Microsoft AD accounts may include some employees that have left your organization. When adding a DMS user account, you can use search filter to sift your data down to just the account information you need.

Click **Search Filter** or any tab on the left to switch the setting page at any time during the configuration process. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.


The Search Filter is a text input field. You can enter your search conditions. This field is optional.

Click **< Previous** or the **Info** tab on the left to move back to the previous setting page.



- Click **SAVE** to let DMS verify the revised connecting configurations. If the connection is validated, it will save the changes and leave the editing page; if the connection fails, it shows error message and stay in the editing window. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.



-
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the unedited state.
- Click **CANCEL** to cancel the changes and leave the editing page.

Figure 164 Mapping Directory Services setting

Click the Mapping icon  by the side of Directory Service to edit mapping directory service settings. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Base DN:** The field is read only and cannot be modified. It shows the location in the directory which the search begins.
User ID: Configure user account, which is the DMS log-in account.
This field must be configured.
- **Name:** Configure user name. This field must be configured.
- **Title:** Configure job title information. This field is optional.
- **Department:** Configure department information. This field is optional.
- **Extension:** Configure phone extension number. This field is optional.

● **Note:** After configuring the fields, DMS will verify whether the data is valid or not. If the data is valid, it shows the verified icon . If not, it shows the warning icon .

- Click **SAVE** to let DMS verify configuration in all fields of the page. The verified results are shown on the right side of each field. The verified mark  represents the data exists. The warning mark  represents the data doesn't exist. Once all fields are verified as valid, DMS will save the changes and leave the editing page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the unedited state.
- Click **CANCEL** to close the page and return to server window.

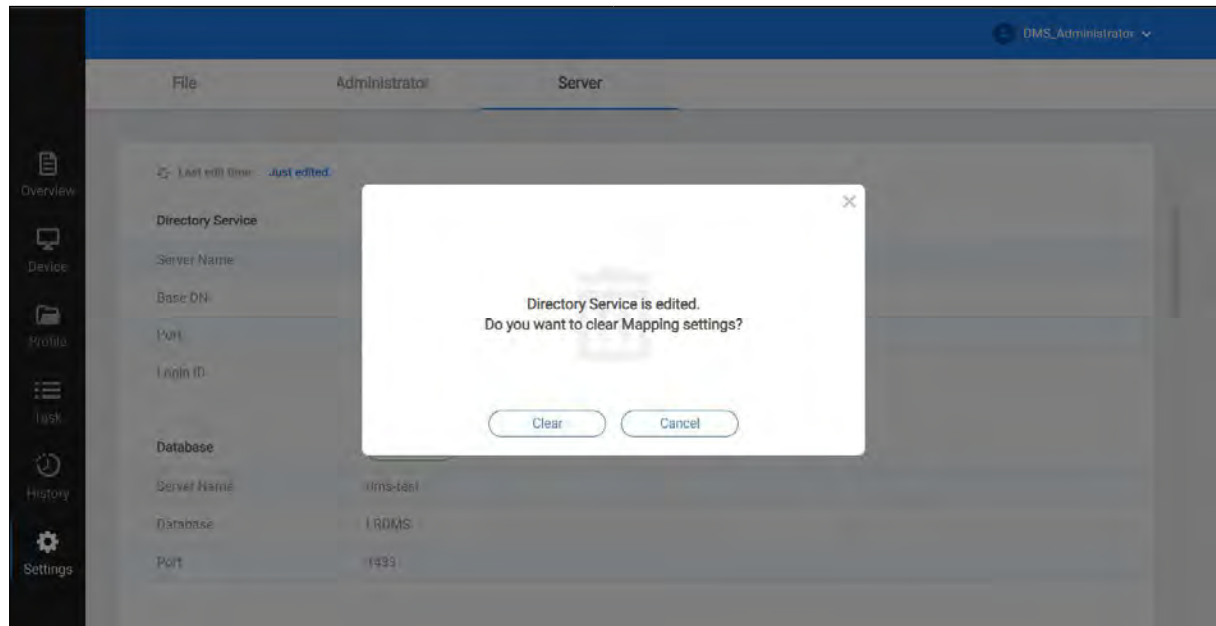



Figure 165 Clear Mapping Directory Service Settings

After the directory services is edited, a dialogue appears asking you whether you want to clear mapping settings or not. Click **Cancel** to preserve data in the fields without clearing mapping settings. Click **Clear** to remove the mapping data.



(2) Database

The Database Server page is the place where DMS stores data. You can configure the storage location at an internal place (default) or an external place.

Figure 166 Edit Database

Click the Edit icon  by the side of Database to edit database settings, where stores DMS data. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Server Name:** Configure server name, which is the location of the database. This field must be filled in. Space is not allowed in server name. DMS server default name is **dms-01**. If you would like to change the name, please do not enter **localhost** or **127.0.0.1** data.
- **Database:** Configure database name. This field must be filled in. Space is not allowed in database name.
- **Port:** Configure server port. This field must be filled in. Space is not allowed in port field.
- **User Name:** Configure user name, which is the database user account. This field must be configured. Space is not allowed in user name.
- **Reset Password:** Configure database user password. This field must be filled in. Space is not allowed in password. After clicking the field, you can edit the


password and display the password icon. Click the Show Password icon  to display the data in the password field; click the Hide Password icon  to hide the data in the password field.

- Click **SAVE** to save the changes. DMS will perform a connection examination to verify new settings. If the connection is successful, it saves the changes and leaves the editing page. If the connection is failed, it shows error message and stays in the editing page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the unedited state.
- Click **CANCEL** to close the page and return to server window.

(3) File Store Area

The File Store Area is the place where DMS stores device files. You can configure the storage location at an internal place (default) or an external place.



Figure 167 Edit File Store Area

Click the Edit icon  by the side of File Store Area to edit file server settings, including file server, FTP server, and TFTP server. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- In Info page, there are several settings items which include server name, TFTP port, TFTP / FTP storage path (SW and BIOS), file directory location (SW and BIOS), login account and password.
- Server Name: Configure server name, which is the location of file server. This field must be filled in. Space is not allowed in server name. DMS server default name is **dms-01**. If you would like to change the name, please do not enter **localhost** or **127.0.0.1** data.
- TFTP Port: Configure TFTP port. This field must be filled in. Space is not allowed in port field.
- SW - TFTP / FTP Path: Configure TFTP and FTP link. This field must be filled in. Space is not allowed in this field.
- SW - HTTP URL: Configure file location. This field must be filled in.




Space is not allowed in file location.

- Account: Configure account, which is the file server user account. This field must be configured. Space is not allowed in user account.
- Reset Password: Configure file server user password. This field must be filled in. Space is not allowed in password. After clicking the field, you can edit the password and display the password icon  to display the data in the password field; click the Hide Password icon  to hide the data in the password field.
- Click **SAVE** to save the changes. DMS will perform a connection examination to verify new settings. If the connection is successful, it saves the changes and leaves the editing page. If the connection is failed, it shows error message and stays in the editing page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the unedited state.
- Click **CANCEL** to close the page.



(4) Trust Center

Figure 168 Edit Anyware Trust Center Setting

Click the Edit icon  by the side of Trust Center to edit Anyware Trust Center settings, including server address, user name and password. Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- In Info page, there are several settings items which include the Trust Center FQDN, administrator's account and password.
- Trust Center FQDN: Configure the address that Trust Center is located. The prefix must be "api". For example, if the FQDN is api.example.com, please enter api.example.com or example.com (the system will automatically add the prefix). This field must be filled in.
Space is not allowed in FQDN field.
- Version: This field is read only and cannot be modified. It shows the current Trust Center version.



- **User Name:** Configure Trust Center account, which is the administrator account that can access to the Trust Center. This field must be configured. Space is not allowed in user account.
- **Reset Password:** Configure administrator's password that can access to the Trust Center. This field must be filled in. Space is not allowed in password. After clicking the field, you can edit the password and display the password icon. Click the Show Password icon  to display the data in the password field; click the Hide Password icon  to hide the data in the password field.
- Click **SAVE** to save the changes. DMS will perform a connection examination to verify new settings. If the connection is successful, it saves the changes and leaves the editing page. If the connection is failed, it shows error message and stays in the editing page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the unedited state.
- Click **CANCEL** to close the page.

(5) Server Information

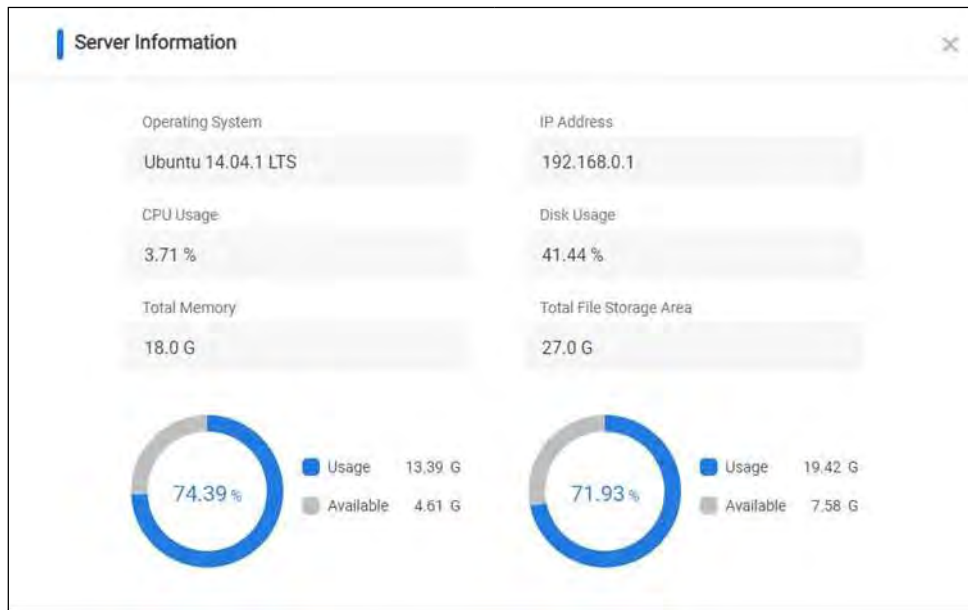




Figure 169 Server Information

Click the View icon  by the side of Server Information to view server usage information, including operating system, IP address, CPU usage, hard drive usage, installed memory size, and file storage size.

The two pie charts below show the current usage size / remaining size of **"Memory"** and **"File Storage Area"** respectively.

If files are not located at local side, the storage area shows **"N/A"** and it doesn't display any information in the pie chart below.

Click the close icon  in the upper right corner to close and return to the main server settings screen.

3.10 Custom Design Portal

You can customize the DMS screen here. Currently DMS provides configuration on changing company information, including DMS logo and company name.

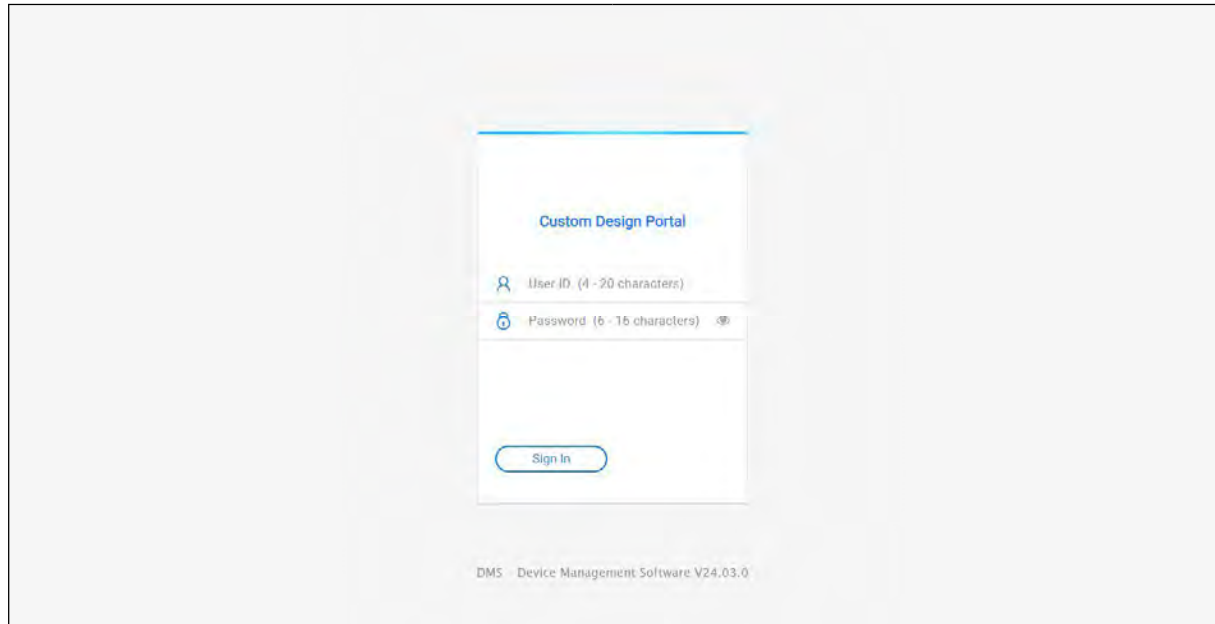


Figure 170 Customized DMS Login Design

Open a web browser and then enter the IP address of the DMS Custom Design Portal. (<https://<IP Address>/DMSWeb/CustomizePortal.jsp>). You will see the log-in screen of the DMS front page. The IP address is the assigned IP of the DMS server and will be different according to actual environment.

The default log-in administrator username is “dmsAdm” and the password is “dmsAdm” (Make sure you use exactly the same uppercase and lowercase letters).

3.10.1. Company Information

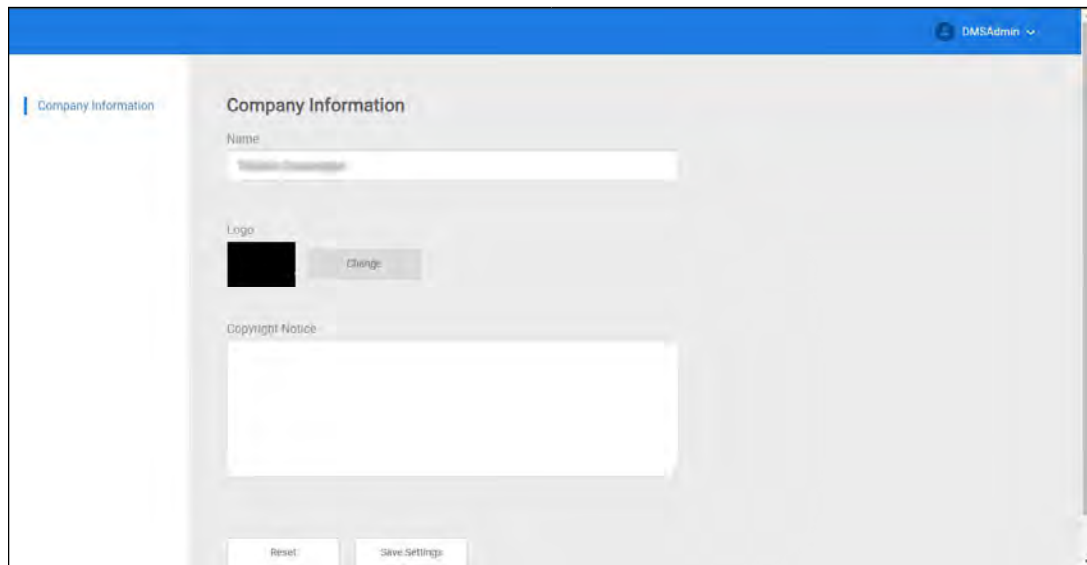
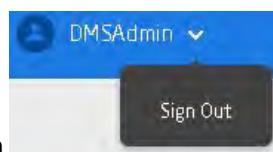


Figure 171 Customize Company Information

After you successfully log in DMS custom design portal, it shows company information configuration screen. You can change company name and DMS logo. DMS will demonstrate the current settings.

- **Name:** Enter the company name. The length of the name field is 4-50 characters. This field must be filled in. Space is not allowed in name field.
- **Logo:** The current DMS logo is displayed. Click **Change** to replace the current logo with the new logo you choose.
- **Copyright Notice** is an input and optional field. If this field is not provided, the contents of the copyright notice will not be displayed on the "**Copyright Notice and Software Description**" screen. Only the version number and the software contents used by DMS will be displayed.
- Click **Reset** button to reset your configuration back to unedited state.
- Click **Save Settings** button to save the settings.



- Click the sign out icon to log out DMS custom

design portal.

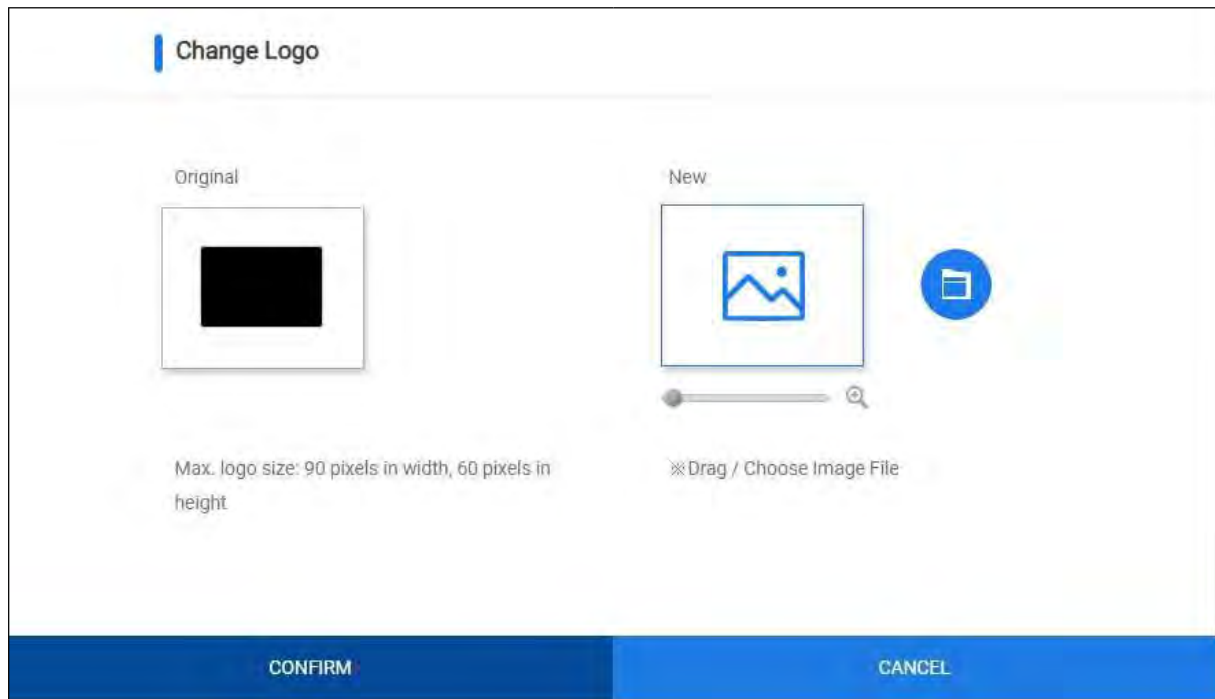


Figure 172 Change Logo

You can change logo by clicking **Change** button on company information screen. Click the file icon to browse your computer files and choose a logo image. The width/height of the logo image is 90/60 pixels. You can also drag the image file to the displayed window.

- Click the icon to enlarge or diminish logo.
- Click **CONFIRM** to save the change and leave the editing page.
- Click **CANCEL** to close the window and go back to company information screen.


3.11 Manage Trusted Zero Client

DMS works closely with Trusted Trust Center. Through the same interface, you can easily manage and configure Trusted Zero Clients which have registered to the Anyware Trust Center.

Note: Configure **Trust Center** in **Settings** -> **Server** first to import and show correct device information, before any further configurations. There are two setting areas “**Device Profile**” and “**Connection Profile**”.

3.11.1. Add Device Profile

Figure 173 Add Trusted Zero Client Device Profile - Info

Click the ADD icon  in Device Profile page to create a new device profile. In the configuration window, enter the device profile name, choose device type, and configure the rest of settings.

The window will show different configuration content according to the selected

Device Type. Here uses the model name “Bilby” as the example.

Click **Info** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured. If a device type has been established and existed in DMS, it will be displayed in the field in sequence.

- Device Profile: You must configure the device profile name. The length of the name field is 20 characters. Space is not allowed in device profile name.
- Device Type: Select a device type from the drop-down list. This field must be configured. The drop-down list is generated when a device is registered to the DMS server or the model name passed through Anyware Trust Center.
- Description: Lets you enter the device profile description. The length of the description is 200 characters. This field is optional.
- Click **Next >** or the **Time** tab on the left to move to the next setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

Figure 174 Add Trusted Zero Client Device Profile - Time



The Time Settings window shows Network Time Protocol (NTP) configuration content.

Click **Time** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- NTP Enabled: Select True or False from the drop-down list to enable or disable NTP. This field must be configured.
- NTP Server: Configure NTP server location. When True is selected in NTP Enabled, this field must be filled in. Space is not allowed in server address. The length of the field is 128 characters.
- NTP Port: Configure NTP port. When True is selected in NTP Enabled, this field must be filled in. Space is not allowed. The value limit is between 1 and 65536.
- Query Interval: Configure interval between NTP queries. Select 1 minute, 5 minutes, 30 minutes, 1 hour, or 1 day from the drop-down list. When True is selected in NTP Enabled, this field must be selected.
- Time Zone: Configure time zone that the device is located. Select Africa/Abidjan, Africa/Accra, or other region from the drop-down list. When True is selected in NTP Enabled, this field must be selected.
- Display Format Date: Configure date format displayed on the device. Select 09/30/2022, Friday, September 30, 2022, Sep 30 Fri, or other format from the drop-down list. When True is selected in NTP Enabled, this field must be selected.
- Display Format Time: Configure time format displayed on the device. Select 13:00, 01:00 PM, or other format from the drop-down list. When True is selected in NTP Enabled, this field must be selected.
- Click **Next >** or the **Logging** tab on the left to move to the next setting page.
- Click **< Previous** or the **Info** tab on the left to move back to the previous setting page.

- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

Figure 175 Add Trusted Zero Client Device Profile - Logging

The Logging Settings window shows message level configuration content. Click **Logging** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Log Level: Select Info, Error, Debug, or Critical from the drop-down list to configure logging level. This field must be configured.
- Click **Next >** or the **Localization** tab on the left to move to the next setting page.

- Click **< Previous** or the **Time** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

Figure 176 Add Trusted Zero Client Device Profile - Localization

The Localization Settings window shows language and keyboard layout configuration content. Click **Localization** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Language:** Configure English/United States, French/France, or other language from the drop-down list. The field must be selected.


- Keyboard Layout: Configure keyboard layout the device uses. Select English (US) or other layout from the drop-down list. The field must be selected.
- Click **Next >** or the **Certificates** tab on the left to move to the next setting page.
- Click **< Previous** or the **Logging** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

Figure 177 Add Trusted Zero Client Device Profile - Certificates

The Certificates Settings window shows server and client certificates (.csr) for your configuration. The server certificate files must have been previously uploaded and stored. You can manage and view the certificate information in Settings -> File ->

Certificate. Click **Certificates** or any tab on the left to switch the setting page at any time during the configuration process.

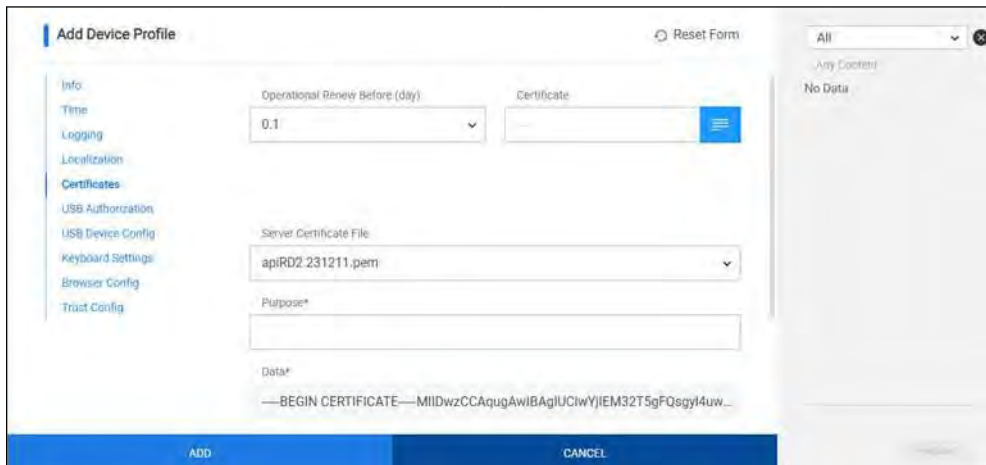
Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

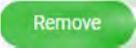

- Operational Renew Before (day): Select 0.1-2.9 days from the drop-down menu to configure the number of days before the certificate expires to extend the certificate. The field must be configured. Space is not allowed.
- Server Certificate File: Add server certificates. Click the icon  to expand the certificate editing field and view the certificate list. The expanded Certificate Type field is defaulted to "Server". Select the certificate file, enter certificate description in the Purpose field, select certificate type "Brokering" or "802.1x", and then click the ADD icon

ADD

to add the server certificate. The newly added certificate will add an additional item in the Certificate field and the certificate list on the right.

Note: If there is no information in the drop-down menu, please go to Settings -> File -> Certificate to upload certificates.




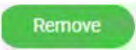

You can view certificate information in the certificate list. After clicking any item in the list, the certificate-related information will be displayed in the center of the screen. You can click the icon  below the list to delete this certificate or click the icon  in the center of the screen to return to the certificate editing.

- Click **Next >** or the **USB Authorization** tab on the left to move to the next setting page.
- Click **< Previous** or the **Localization** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.


Figure 178 Add Trusted Zero Client Device Profile - USB Authorization

The USB Authorization Settings window shows USB device permission configuration content. Click **USB Authorization** or any tab on the left to switch the setting page at any time during the configuration process.


Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Authorization Enabled:** Select True or False from the drop-down list to enable or disable USB authorization feature. This field must be configured.
- **Devices:** Display the number of authorized USB devices. If there is no configured item, the field is blank. Click the Expand icon  to show or add the authorized and unauthorized list. You can select Any, Authorized or Unauthorized from the drop-down list to show the selected USB device information. Click the Remove  icon  to continue delete a specific item. Or click the Device List icon adding the next item.

The screenshot shows the 'Add Device Profile' form with the 'USB Authorization' tab selected. The 'Permission' is set to 'Authorized'. The 'Device Class' is '02 Communications' and the 'Sub Class' is '02 Abstract (modem)'. The 'Protocol' is '00 None'. The 'Devices' list on the right shows 3 items. The 'Add' button is highlighted.

- To add authorized devices, select Authorized in Permission. Select Class or ID from the drop-down list of Add new. When Class is selected, fill in device class, subclass and protocol fields to configure USB device class. When ID is selected, fill in vendor ID and product ID fields to configure USB device ID. Click the Add icon  to add this rule in authorized list on the right.

The screenshot shows the 'Add Device Profile' form with the 'USB Authorization' tab selected. The 'Permission' is set to 'Unauthorized'. The 'Device Class' is '02 Communications' and the 'Sub Class' is '02 Abstract (modem)'. The 'Protocol' is '00 None'. The 'Devices' list on the right is empty. The 'Add' button is highlighted.




- To add unauthorized devices, select Unauthorized in Permission. Select Class or ID from the drop-down list of Add new. When Class is selected, fill in device class, subclass and protocol fields to configure USB device class. When ID is selected, fill in vendor ID and product ID fields to configure USB device ID. Click the Add icon  to add this rule in unauthorized list on the right.

- Click **Next >** or the **USB Device Config** tab on the left to move to the next setting page.
- Click **< Previous** or the **Certificates** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

Figure 179 Add Trusted Zero Client Device Profile - USB Device Config

The USB Device Config Settings window shows USB device bridging configuration content. Click **USB Device Config** or any tab on the left to switch the setting page at any time during the configuration process.


Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Devices:** Display the number of bridging USB devices. If there is no configured item, the field is blank. Click the Expand icon  to show or add the bridging list. After clicking an item in the list, the selected data will be highlighted, and the setting content of the USB device bridging method will be displayed in the middle of the screen. Click the Remove icon  to delete a specific item. Or click the Device List icon  to continue adding the next item.

The screenshot shows the 'Add Device Profile' form with the 'USB Device Config' tab selected. The form includes fields for Device, Bridging Type, Device Class, Sub Class, and Protocol. The 'Add new' dropdown is open, showing options for Class and ID. The 'Add' button is highlighted.

- To add bridging devices, select Bridged, Local Terminated or Not Forwarded from the drop-down list of Bridging Type. Then use the Add new drop-down menu, and use the options Class and ID to configure the details. When Class is selected, fill in device class, subclass, and protocol fields to configure USB device class.

The screenshot shows the 'Add Device Profile' form with the 'USB Device Config' tab selected. The form includes fields for Device, Bridging Type, Device Class, Sub Class, and Protocol. The 'Add new' dropdown is open, showing options for Class and ID. The 'Add' button is highlighted.

- When ID is selected, fill in vendor ID and product ID fields to configure USB device ID. Click the Add icon  to add this setting in the device list on the right.

- Click **Next >** or the **Keyboard Settings** tab on the left to move to the next setting page.
- Click **< Previous** or the **USB Authorization** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

Figure 180 Add Trusted Zero Client Device Profile – Keyboard Settings

The Keyboard Settings window shows keyboard behavior configuration content. Click **Keyboard Settings** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.




- **Repeat Rate:** After you press and hold down a key on the keyboard, the key starts repeating itself. The speed at which it repeats is the repeat speed, which can be fast or slow. Enter how many characters you want to repeat in a second. This field is optional. The value limit is between 1 and 100.
- **Repeat Delay:** When you press and hold a key on the keyboard, the key eventually repeats itself. The pause between pressing the key and when it starts repeating is the repeat delay. Enter the period in millisecond to adjust repeat delay, which can be quick or slow. This field is optional. The value limit is between 1 and 5000.

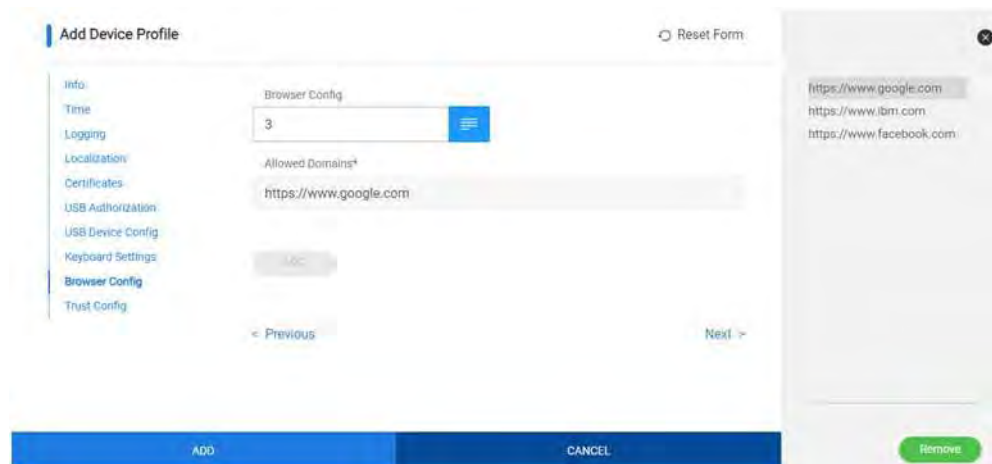
- Click **Next >** or the **Browser Config** tab on the left to move to the next setting page.
- Click **< Previous** or the **USB Device Config** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.


Figure 181 Add Trusted Zero Client Device Profile – Browser Config

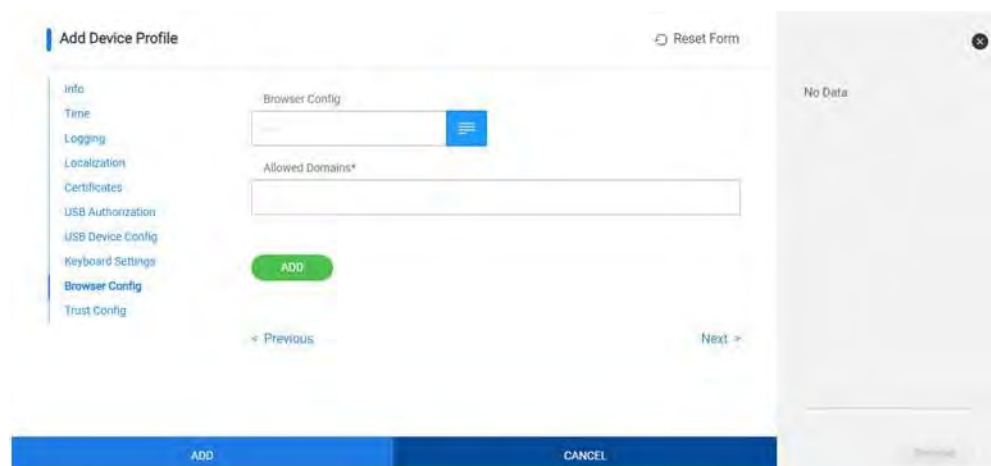
The Browser Config window shows browser behavior configuration content. Click **Browser Config** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

Browser Config: shows the number of browser configuration. Click the Expand icon  to show or add the browser configuration list. After clicking an item in the list, the selected data will be highlighted, and the setting content of the display will be displayed in the middle of the screen. Click the Remove icon  to delete a specific item. Or click the Device List icon  to continue adding the next item.



To add a new browser setting, enter the domain that is allowed to be accessed from the device browser. Click the add icon  to add this config item. It will also appear on the list of right side.



- Click **Next >** or the **Trust Config** tab on the left to move to the next setting page.
- Click **< Previous** or the **Keyboard Settings** tab on the left to move back to the previous setting page.

- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

Figure 182 Add Trusted Zero Client Device Profile – Trust Config

The Trust Config window set the trust method between the devices and the Trust Center. Click **Trust Config** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **State:** Select a trust method from the drop-down list: Registered or Connected. This field must be filled in. The "Registered" option requires the device to be registered and connected to the Trust Center

at least once before it can be trusted. The "Connected" option requires the device to actively connect to the Trust Center before it can be trusted. When set to "Connected", "Time Out" also needs to be set. The connection timeout is calculated in seconds, and the value limit is between 1 and 86400.




- Version Policy Enable: Select True or False from the drop-down menu to configure whether the device should be updated to the specified firmware version before the deadline.
- Click < **Previous** or the **Browser Config** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

3.11.2. View / Edit / Delete / Export / Import / Copy Device Profile

Refer to session 3.6.1 for detailed configurations.

3.11.3. Add Connection Profile

Figure 183 Add Device's Connection Profile - Profile Info

Click the ADD icon  in Connection Profile page to create a new connection profile. In the configuration window, enter the connection profile name, choose device type, and configure the rest of settings. If several device types have been created and exist in the system, the first device type will be displayed in sorted order.

The window will show different configuration content according to the selected **Device Type**. Here uses the model name “Bilby” as the example.

Click **Profile Info** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured. If a device type has been established and existed in DMS, it will be displayed in the field in sequence.

- Connection Profile: You must configure the connection profile name.
The length of the name field is 20 characters.

- **Device Type:** Select a device type from the drop-down list. This field must be configured. The drop-down list is generated when a device is registered to the DMS server or the model name passed through Anyware Trust Center.
- **Description:** Lets you enter the connection profile description. The length of the description is 200 characters. This field is optional.
- Click **Next >** or the **Connection Info** tab on the left to move to the next setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

Figure 184 Add Device's Connection Profile - Connection Info

When you create a new connection profile, you will have to add a new connection info item. The Connection Info Settings window shows connection configuration content.

Click **Connection Info** or any tab on the left to switch the setting page at any time during the configuration process.



Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- **Connection Name:** You must configure the connection name. The length of the name field is 20 characters.
- **Connection Type:** Select a connection broker from the drop-down list. This field must be configured. The list would be different, according the selected device type.
- Click **Next >** or the **Basic** tab on the left to move to the next setting page.
- Click **< Previous** or the **Profile Info** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.
- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

The screenshot shows the 'Add Connection Profile' window with the 'Basic' tab selected. On the left, there are three tabs: 'Profile Info', 'Connection Info', and 'Basic'. The main area contains several input fields and dropdown menus arranged in two columns. The first column includes 'Alias' (text box), 'Connection URI*' (text box), 'VCS Port' (text box), and 'Cert Check Mode' (dropdown menu with 'Never Connect Untrusted' selected). The second column includes 'Broker Connection Type' (dropdown menu with 'Direct' selected), 'Resource Name' (text box), 'Auto Launch If One Desktop' (dropdown menu with 'True' selected), and 'Login Username Caching' (dropdown menu with 'True' selected). At the bottom left is a '< Previous' button. At the bottom are two large buttons: 'ADD' and 'CANCEL'. In the top right corner, there is a 'Reset Form' icon.

Figure 185 Add Device's Connection Profile - Basic



When Connection Broker is selected in Connection Type, the Basic Settings window shows detailed connection configuration content. Click **Basic** or any tab on the left to switch the setting page at any time during the configuration process.

Please fill out or choose from all fields marked by asterisk (*). These fields must be filled in or configured.

- Alias: Configure broker name. The length of the name field is 32 characters. This field is optional.
- Broker Connection Type: Select Direct Connection, View Connection server, PCoIP Connection Broker, AWS Workspaces, or Auto Detect from the drop-down list.
- Connection URI: Configure connecting address. This field must be configured. Space is not allowed.
- Resource Name: Automatically configure remote desktop or connection pool name.
- VCS Port: When Resource Name is configured, you have to enter port information. Space is not allowed.
- Auto Launch If One Desktop: Select True or False from the drop-down list to allow the desktop automatically connected when there is only one remote desktop being configured.
- Cert Check Mode: Select Never Connect Untrusted, Warn Before Connect Untrusted, or Do Not Verify from the drop-down list.
- Login Username Caching: Select True or False from the drop-down list to allow user name catching.
- Click < **Previous** or the **Connection Info** tab on the left to move back to the previous setting page.
- Click **ADD** to add the new device profile and leave the page. If a required field is not filled in, it will show an error message and move the cursor to the unfilled field.



- Click the **Reset Form** icon **Figure 16** to reset the page content back to the default state and the first setting page.
- Click **CANCEL** to restore your previous settings and leave the page.

3.11.4. View / Edit / Delete / Export / Import / Copy Connection Profile

Refer to session 3.6.2 for detailed configurations.

4 Troubleshooting

Troubleshooting refers to solving problems related to the software that manages, monitors, maintains or configures devices. Here are some common issues you may encounter and steps to troubleshoot them:

4.1 Connection Issues

- Check the connection: Ensure that the connection between the devices (or the trust center) and the management software is normal, including network connection, data transmission line, etc.
- Check the network settings: Ensure that the network settings of the devices (or the trust center) and the management software are consistent, including IP address, subnet mask, gateway, etc.

4.2 Error Messages and Logs

- View logs: Check the error messages and logs for any error or warning messages, which may provide clues about the problem.
- Interpret the error message: search for relevant resources or documents relating to the error messages to find the solution.



4.3 Collect DMS Logs

In addition to displaying the software operation history from the History, the abnormal records are stored in directory `/dms/exe/tomcat9/logs` on the DMS server. When unresolvable problems are encountered, the logs can be further collected and provided for further analysis.

How to collect DMS logs:

- a. Use SSH to log in to the DMS host server: Use the host administrator account `dms-adm` and password `P@ssw0rd` (default) to log in to the DMS host.

Execute the following command: `ssh`

`dms-adm@<DMS host IP>`

```
C:\02_Data\Temp>ssh dms-adm@192.168.3.9
dms-adm@192.168.3.9's password:
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-79-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

Your Hardware Enablement Stack (HWE) is supported until April 2025.
Last login: Wed Aug 30 15:22:23 2023 from 192.168.3.13
dms-adm@DMS-01: $
```

- b. Move directory to `/dms/exe/tomcat9/` with the following command: `cd`

`/dms/exe/tomcat9/`

```
dms-adm@DMS-01: $ cd /dms/exe/tomcat9/
dms-adm@DMS-01:/dms/exe/tomcat9$ ls -l
total 8
drwxrwxr-x 4 tomcat tomcat 4096 Aug 30 16:32 logs
drwxrwxr-x 6 tomcat tomcat 4096 Aug 30 16:43 webapps
dms-adm@DMS-01:/dms/exe/tomcat9$
```

- c. Compress the log files in the directory: Compress the files in the logs directory and place the files in `/tmp` directory with the following command: `tar zcvf`

`/tmp/dmslog.tar.gz logs`

```
dms-adm@DMS-01:/dms/exe/tomcat9$ tar zcvf /tmp/dmslog.tar.gz logs
logs/
logs/sharelogs/
logs/sharelogs/DMSWeb.log
logs/sharelogs/DMSsrv.log
logs/sharelogs/DMSWeb.log.2023-08-25-1.gz
logs/sharelogs/DMSsrv.log.2023-08-25-1.gz
logs/stdOutDMSsrv.log.2023-08-25-1.gz
logs/stdOutDMSsrv.log
logs/stdOutDMSWeb.log
dms-adm@DMS-01:/dms/exe/tomcat9$
```

d. Log out of the DMS host: execute the following command to log out:

exit

```
dms-adm@DMS-01:/dms/exe/tomcat9/logs/sharelogs$ exit
logout
Connection to 192.168.3.9 closed.
C:\02_Data\Temp>
```

e. Retrieve compressed files: Use sftp to download the files to your local machine with the following command:

```
sftp dms-adm@<DMS host IP>          # Connect to DMS host get
/tmp/dmslog.tar.gz          # Download compressed file bye          #
```

Break the connection

```
C:\02_Data\Temp>sftp dms-adm@192.168.3.9
dms-adm@192.168.3.9's password:
Connected to 192.168.3.9.
sftp> get /tmp/dmslog.tar.gz
Fetching /tmp/dmslog.tar.gz to dmslog.tar.gz      100% 48MB 88.6MB/s 00:00
sftp> bye
C:\02_Data\Temp>
```

4.4 Security Issues

- Enhance security: Ensure that the security settings of the software host can protect sensitive data, such as setting appropriate access rights and encryption measures.
- Updates and patches: Ensure that DMS software and device software is up to date and that security patches are applied in a timely manner.



4.5 Backup and Recovery

- Perform regular backups: Ensure regular backups of data and software settings to prevent data loss or system failure.
- Verify the recovery process: Verify the recovery process regularly to ensure rapid recovery in disaster situations.