

Overview

HPE Smart Fabric Orchestrator

Storage Area Networks and the tools that are used to manage them have become increasingly complex. Because of this, SAN administrators spend more time learning multiple SAN tools and in labor intensive configuration tasks – tedious manual activities which can potentially result in unplanned downtime. The reasons for the complexity include the increased adoption of Virtualization – a complexity stemming from mapping the virtual and physical layers of the SAN and the adoption of multiple protocols such as iSCSI along with Fibre Channel.

HPE Smart Fabric Orchestrator modernizes the storage network enabling businesses to increase productivity, scale and improve the efficiency of their storage investments. SAN configurations are often tedious and prone to human-error and frequently in multi-protocol environments. Delivering automation, orchestration and fabric services empowers administrators to provision storage in error-free and arrange fabric services for increasing fabric resiliency. HPE Smart Fabric Orchestrator delivers protocol agnostic, fabric configuration validation with Single Point of Connectivity Knowledge (SPOCK), assessing the health of physical ports with self-healing, fabric monitoring, while performing end-to-end diagnostics, using predefined templates to reduce configuration errors.

Features

Features

Improve Customer Experience with fine-grain visibility

- The HPE Smart Fabric Orchestrator provides ease of configuration, monitoring and zero-errors.
- Fine-grain visibility into Storage Fabrics (FC + Ethernet).
- Predictive Fabrics, Self Healing Networking.
- Automate SPOCK validation.

Orchestrate Fabric Services Across Multi-protocols

- The HPE Smart Fabric Orchestrator arranges and monitors end-to-end multi-protocol fabrics with HPE 3PAR family of products to increase fabric up time, resiliency and predictability.
- Predefined and custom templates enables fabric configuration consistency and repeatability.
- Quickly generate templates that are pre-configured and/or customized configurations, which can apply to manage elements on specific devices thereby reducing human-error while facilitating sharing of best practices.

SAN Pre-deployment Verification With HPE SPOCK Assurance

- The HPE Smart Fabric Orchestrator validates the integrity, interoperability, and compliance of Hewlett Packard Enterprise storage, servers and network fabric infrastructures before or during deployment.
- Keep the SAN and fabric infrastructure in ideal health by making informed decisions with better supportability and predictability.
- Assess, report and remedy for improved fabric health.

Visualize Managed Elements of the Fabric End-to-end

- The HPE Smart Fabric Orchestrator allows the administrator to understand what devices are connected end-to-end and view fabric visibility while launching a sequence of steps to create the topology view of the managed elements.
- Discover managed elements including: HPE 3PAR, HPE StoreFabric M-series Ethernet switches, HPE StoreFabric B-series Fibre Channel switches, qualified 3rd party Ethernet switches, adapters (HBAs, NICs, CNAs), cables and optical transceivers.

End-to-end Monitoring With Self-healing Capabilities

- The HPE Smart Fabric Orchestrator monitors activities and generate an event for action, auditing and reporting.
- Administrators can monitor various parameters end-to-end to make informed decisions based on alerts with other fabric services to remedy a situation. Delivering an easy way for administrators to be alerted about storage networking issues.
- Builds on the basic diagnostic ready fabric capabilities with advanced diagnostic assessment to monitor and quickly identify states of physical ports for root cause analysis, failure impact assessment and self-healing for improved performance.

Models

HPE Smart Fabric Orchestrator E-LTU	Q9Y41AAE
HPE Smart Fabric Orchestrator Enterprise E-LTU	ROH75AAE
HPE Smart Fabric Orchestrator Enterprise Upgrade E-LTU	ROH76AAE

Software Licensing

Software Licensing

HPE Smart Fabric Orchestrator Evaluation

NOTE: Smart Fabric Orchestrator comes with 120 days of evaluation. During these 120 days, all the features of the SFO will be available.

HPE Smart Fabric Orchestrator SW-6 E-LTU

NOTE: User to apply this license for up to 6 switches in the fabric.

HPE Smart Fabric Orchestrator Upgrade E-LTU

NOTE: If the user had applied the license for up to 6 switches but now have added more than 6 switch, then user should apply upgrade switch LTU license.

HPE Smart Fabric Orchestrator Enterprise E-LTU

NOTE: If the user has more than 6 switches, then user should apply unlimited enterprise switch LTU license.

How to download Smart Fabric Orchestrator Software?

Smart Fabric Orchestrator can be downloaded from HPE Software Depot web portal.

<https://h20392.www2.hpe.com/portal/swdepot/index.do>

Support Matrix

For detailed and the most current interoperability information and supporting documentation, refer to the comprehensive Support Matrix at **<http://www.hpe.com/storage/spock>**

Installer Support Matrix:

For detailed and the most current installer support matrix, refer to the comprehensive Support Matrix at **<http://www.hpe.com/storage/spock>**

Services

Services & Support

Protect your business beyond warranty with HPE Support Services

HPE Pointnext provides a comprehensive portfolio including Advisory and Transformational, Professional, and Operational Services to help accelerate your digital transformation. From the onset of your transformation journey, Advisory and Transformational Services focus on designing the transformation and creating a solution roadmap. Professional Services specializes in creative configurations with flawless and on-time implementation, and on-budget execution. Finally, operational services provides innovative new approaches like Flexible Capacity and Datacenter Care, to keep your business at peak performance. HPE is ready to bring together all the pieces of the puzzle for you, with an eye on the future, and make the complex simple.

Software Technical Support and Update Service

HPE StoreFabric Smart Fabric Orchestrator (SFO) software products include three years of 9x5 HPE Software Technical Support and Update Service. This service is available 9 hours per day between 8:00 a.m. and 5:00 p.m. local time, Monday through Friday excluding HPE holidays. The service provides access to HPE technical resources for assistance in resolving software operations issues, and, also provides access to software updates and reference manuals in electronic form.

HPE Foundation Care Support Service

HPE Foundation Care connects you to HPE 24 hours a day, seven days a week for assistance on resolving issues –This service includes available hardware response times of next business day, 4 hour response or 6 hour to repair, and, with answers to software questions within two hours. Simplify your support experience and make HPE your first call to help resolve hardware or software problems.

<http://www.hpe.com/services/foundationcare>

HPE Proactive Care Support Service

HPE Proactive Care gives customers an enhanced call experience. When your products are connected to HPE, Proactive Care helps prevent problems and maintains IT stability by utilizing personalized proactive reports with recommendations and advice. This service includes available hardware response times of next business day, 4 hour response or 6 hour to repair, and, with answers to software questions within two hours.

<http://www.hpe.com/services/proactivecare>

HPE Datacenter Care service

HPE Datacenter Care helps improve IT stability and security, increase the value of IT, and enable agility and innovation. It is a structured framework of repeatable, tested, and globally available services “building blocks.” You can deploy, operate, and evolve your datacenter wherever you are on your IT journey. With HPE Datacenter Care, you benefit from a personalized relationship with HPE via a single point of accountability for HPE and others’ products.

For more information, visit <http://www.hpe.com/services/datacentercare>

HPE Flexible Capacity

With Flexible Capacity, you get the speed, scalability, and economics of the public cloud in the privacy of your data center. Gain the advantages of the public cloud—consumption-based payment, rapid scalability without worrying about capacity constraints. Reduce the “heavy lifting” needed to operate a data center. And retain the advantages that IT provides the business (i.e., control, security). Deliver the right user experience, choose the right technology for the business, manage privacy and compliance, and manage the cost of IT. And, you have the option to use the public cloud when needed.

Features

NOTE: HPE StoreFabric Smart Fabric Orchestrator (SFO) software is customer installable.

HPE Support Center

The HPE Support Center is a personalized online support portal with access to information, tools and experts to support HPE business products. Submit support cases online, chat with HPE experts, access support resources or collaborate with peers.

Learn more <http://www.hpe.com/support/hpesc>

HPE's Support Center Mobile App* allows you to resolve issues yourself or quickly connect to an agent for live support. Now, you can get access to personalized IT support anywhere, anytime.

HPE Insight Remote Support and HPE Support Center are available at no additional cost with a HPE warranty, HPE Support Service or HPE contractual support agreement.

*HPE Support Center Mobile App is subject to local availability

For more information <http://www.hpe.com/services/>

<https://www.hpe.com/us/en/services/operational.html>

To learn more on HPE Storage Services, please contact your Hewlett Packard Enterprise sales representative or Hewlett Packard Enterprise Authorized Channel Partner.

Contact information for a representative in your area can be found at "Contact HPE" <https://www.hpe.com/us/en/contact-hpe.html>

HPE Support Services are sold by HPE and Hewlett Packard Enterprise Authorized Service Partners:

- Services for customers purchasing from HPE or an enterprise reseller are quoted using HPE order configuration tools.

Customers purchasing from a commercial reseller can find HPE Support Services at <https://ssc.hpe.com/portal/site/ssc/>

Summary of Changes

Date	Version History	Action	Description of Change
04-Sep-2018	Version 1	Created	New QuickSpecs.



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