



Network with a universal view

Intelligent Management Center

Solving network management complexity

Technology is at an exciting stage—driven by the rising expectations of customers who demand immediate connectivity across wired and wireless networks from mobile or fixed stations. Keeping pace with these growing demands is no easy task and networks are being pushed to deal with explosive growth of all kinds of data. Across organizations, it remains a challenge to manage the growing number of network devices along with network management applications from multiple vendors.

IMC—Capabilities for every type of enterprise

Having a solution that provides a unified view of the network is a real asset—and it's what HPE Intelligent Management Center (IMC) provides. IMC is a unified, infrastructure management solution providing visibility from the data center core to the wired edge of the network. It enables complete management of resources, services, and users and delivers full FCAPS (Fault, Configuration, Accounting, Performance, Security) capabilities.

The management platform unifies management of multi-vendor wired, wireless, physical, and virtual resources—and their users—leading to increased performance, enhanced security, and reduced infrastructure complexity and costs.

IMC—Network management at its intelligent best

IMC was built from the ground up to support the FCAPS model. With this comprehensive model IMC enables organizations to seamlessly scale up in infrastructure management and adopt new technologies at the same time.

IMC is designed to be a scalable, modular platform that suits the network needs of small-medium and large-sized organizations that span to global enterprises. It consolidates different management tools and its users. Being vendor agnostic, it can support over 7000+ multi-vendor devices including Cisco. IMC runs on Microsoft®, Windows®, and Linux® server operating systems.

Parkway School District manages its network with IMC

Parkway School District is based in St. Louis Missouri. With over 17,500 students, its network spans 33 buildings all within a 60 mile radius. Their Network Administrator, Jill Brenton spoke to us about their experience with IMC.

When Parkway schools decided to change its Main Distribution Facility, it ended up replacing 600 old switches throughout the district with 253 HPE switches. Parkway schools adopted IMC Enterprise to manage its growing network. Today, IMC manages all of their devices and since it's based on open standards, it easily integrates with the school's Cisco firewall.

Parkway schools can monitor device performance for report generation, performance information, and alarm notifications. IMC is used to manage their Wi-Fi systems that include HPE MSM870 controllers and 700 MSM460 access points. Aruba Access Points have been purchased and will be deployed over the next year bringing the total wireless devices to over 1500. The integration between IMC/WSM and AirWave will allow the Parkway schools to manage their existing MSM and new Aruba Wireless via IMC/WSM and AirWave.

With IMC, Parkway schools have eliminated the guesswork out of the network and saved themselves a lot of time—because they know what's taking place in real time. IMC Alarms quickly identify any issues and the system can detect and generate emails to the network administrator, identifying what is taking place on the network. Parkway schools put “loop detection” on all of their switches and IMC immediately identifies and reports this condition.

IMC is used to track bandwidth utilization, analyze network traffic via the optional NTA (Network Traffic Analysis) module and how network bandwidth, CPU, memory, is being consumed by different applications and users. With intelligent reporting helping the school resolve issues quickly, Parkway schools has eliminated the guesswork that prior to IMC installation, was an ongoing network troubleshooting challenge.

Single solution for all your networking needs

IMC is designed on a service-oriented architecture (SOA) and is capable of including additional (20+) modules that are optional to either IMC Standard or IMC Enterprise. These modules provide more advanced functionality for businesses and organizations to gain a deeper level of functionality across the FCAPS model.

IMC Standard and Enterprise platform software comes with an initial license for 50 nodes (our definition of a node is one IP address = one node) managed devices. Additional node licenses are available to extend the node limit to hundreds of thousands of nodes via a hierarchical deployment capability.

IMC offers a wealth of network management capacities that address visibility from your data center to your edge campus devices. This very powerful network management solution includes RESTful API's in the Standard and Enterprise IMC platforms for automation customization flexibility.

Learn more at hpe.com/net management



Sign up for updates

★ Rate this document



© Copyright 2016 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

Microsoft and Windows are U.S. registered trademarks of the Microsoft group of companies. Linux is the registered trademark of Linus Torvalds in the U.S. and other countries.

4AA6-5902ENW, May 2016