

# Extending One Management to the Data Center



## CISCO PRIME INFRASTRUCTURE 2.2

### Overview

A mobile user can't access an application. Is the problem in the wireless network, the branch, the data center? How many tools does it take to locate the problem? In the meantime, how is the end-user experience being affected? Productivity drops if that individual is an employee. If a customer, a sale may be lost.

As the network grows larger and more complicated, managing it effectively is critical to service assurance. You need one-network visibility so you can provision devices in hours, not months, or so you can troubleshoot application issues from a mobile device user in a branch office all the way into the data center. You need to map physical server assets to virtual environments. You need a single management platform that takes full advantage of automation and best practices for network management throughout the technology lifecycle.

### Spotlight on Data Center Management

[Cisco Prime™ Infrastructure 2.2](#) meets that need as the primary management platform for Cisco® networks. With this release, Cisco extends One Management into the data center, gathering capabilities that used to require several tools into a single pane of glass. Cisco Prime Infrastructure 2.2 offers Day-0 and Day-1 provisioning and Day-n assurance from the data center to mobile user devices. This comprehensive network management platform helps you to achieve the highest levels of application performance, service assurance, and end-user experience. This makes it easier and faster for you to monitor, troubleshoot, and fix network and compute elements as needed.

Cisco Prime Infrastructure 2.2 offers data center management capabilities, including:

- **All-new Compute Work Center:** Includes fault, configuration, accounting, performance, and security (FCAPS) management of [Cisco Unified Computing System™ \(Cisco UCS®\)](#) B-Series Blade Servers and Cisco UCS C-Series Rack Servers (Figure 1). Chassis views help managers understand server interconnections with the network and each other. Administrators can organize server resources into logical groups for ownership, troubleshooting, and reporting. Incorporating compute management into Cisco Prime Infrastructure simplifies and speeds troubleshooting and resolution of server-related issues that affect service delivery to users.

**Figure 1.** Cisco Prime Infrastructure 2.2 Compute Work Center Includes Chassis Views for Cisco UCS Servers for Easier Monitoring and Management



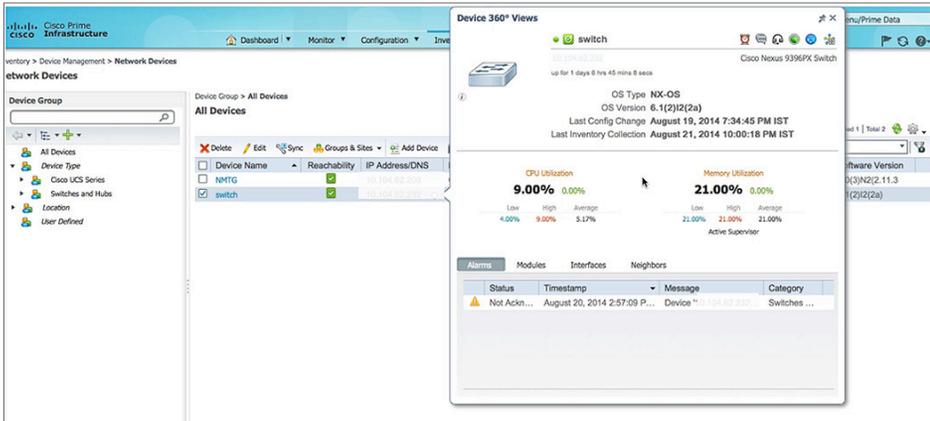
- **All-new 360-Degree View:** Navigate across both physical and compute layers with the ability to view and manage servers in context (Figure 2). The “n-hop” 360-degree view shows you which devices are connected to the device you’re managing, and how many hops away they are. Understanding these relationships helps administrators trace root causes, such as determining whether a failure is in hardware or software.

**Figure 2.** Cisco Prime Infrastructure Offers 360-Degree Information About Servers to Aid Troubleshooting



- **Manages Cisco Nexus® Series Switches:** Adds management of [Cisco Nexus 9000 Series Switches](#) (Figure 3) to its arsenal of [Cisco Nexus data center switches](#) and [Cisco MDS Series Switches](#).

Figure 3. Cisco Nexus 9000 Series 360-Degree Views Provide Extensive Details on the Health of the Device



## Why Cisco?

Cisco Prime Infrastructure 2.2 is unique in the industry. This release extends One Management by integrating data center network and compute management with Cisco Unified Access™, route/switch, and Cisco Intelligent WAN (IWAN) network management. We're making it easier for IT administrators to do their jobs, positioning them to deliver delightful end-user experiences with greater visibility and control of network devices and applications in one place, all the way from the data center to the user.

## For More Information

[Cisco Prime Infrastructure 2.2](#)