Cisco Prime Provisioning

What Is the Value of Cisco Prime Provisioning?

Cisco Prime™ Provisioning accelerates consistent and reliable service deployments by providing automated resource management and rapid profile-based provisioning. It helps provide rapid provisioning of services across the entire network, including the core, aggregation, access, and edge. (See Figure 1.)
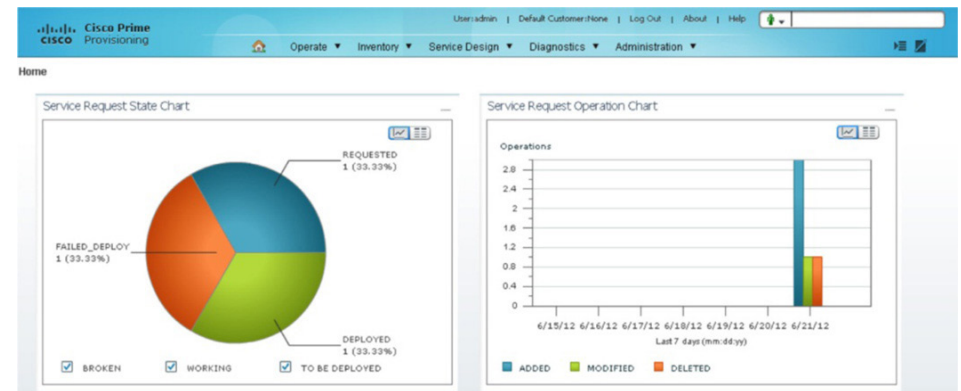
What Problems Does Cisco Prime Provisioning Help Solve?

The convergence of networks and services has created significant operational challenges for service providers and IT organizations. Disjointed management tools that call for manually intensive configuration and provisioning tasks can no longer scale to cost-effectively support hundreds of thousands of service instances of varying requirements across the network. Furthermore, the lack of intelligent management can complicate and slow down the velocity of service deployments. Cisco Prime Provisioning addresses these challenges.

Key Features

- **Multiprotocol Label Switching (MPLS) Layer 3 VPN management:** Automated provisioning, configuration, and functional audits using predefined service profiles

- **Layer 2 VPN and Carrier Ethernet Management:** Automated provisioning, configuration, and functional audits for Carrier Ethernet VPNs, Any Transport over MPLS (AToM) VPNs, and Radio Access Network (RAN) Backhaul

- **MPLS Traffic Engineering Management:** Management of Cisco® MPLS Traffic Engineering tunnels including:

  - Autoroute Announce

  - Auto-Bandwidth

  - DiffServ-Aware Traffic Engineering

  - Fast Reroute (FRR)

- **MPLS Transport Profile (MPLS-TP) management:** Design, path calculation, provisioning, and audit of MPLS-TP tunnels through a single automated process

- **Preintegrated application component of the** Cisco Prime Carrier Management **suite:** Helps support the complete lifecycle management of services including voice, video, mobile, and cloud

Figure 1. Cisco Prime Provisioning Service Request State and Operation

What Are the Benefits of Cisco Prime Provisioning?

- Accelerated deployment of Layer 2 and Layer 3 VPNs and Carrier Ethernet services

- Quick and easy service activation

- Reduced time required to diagnose MPLS-related network outages

- Ability to meet stringent service-level agreements (SLAs) for voice and video traffic

- Reduced time and complexity to provision MPLS-TP-based services

Who Can Benefit from Cisco Prime Provisioning?

- Service providers deploying and managing IP MPLS, Carrier Ethernet, and RAN backhaul networks in support of fixed, mobile, video, and cloud services

- Utilities, government departments, transport agencies, and other organizations seeking to lower the cost of managing their networks and to provide VPN services to internal departments or third parties

- Existing Cisco IP Solution Center customers, who will appreciate the simplicity and ease-of-use of the new user experience and the increased extensibility for device management

Existing Customers: Why Upgrade?

Each new release expands on the core capabilities of the Cisco Prime Carrier Management suite, which include simplifying service lifecycle management, easing network transitions, and delivering the Cisco advantage. By upgrading, service providers can take advantage of:

- Increased automation capabilities
- Expanded control of the network sphere
- Support for new devices and technologies

For details on the latest release of Cisco Prime Provisioning, please visit:
http://www.cisco.com/en/US/products/ps12199/prod_release_notes_list.html.

Why Cisco?

With its unmatched experience and expertise, Cisco offers industry-leading solutions for network design, fulfillment, assurance, and analysis. Built on a service-centered foundation, the Cisco Prime portfolio of IT and service provider management offerings empowers organizations to more effectively manage their networks and the services they deliver — providing A-to-Z management for evolved programmable networks (EPNs), mobility, video, and cloud services.

For more information, contact your local account representative or visit http://www.cisco.com/go/primeprovisioning.