

Cisco Prime for IP Next Generation Networks



What Is the Value of Cisco Prime for IP NGN?

Cisco Prime™ for IP Next Generation Networks (NGN) is a comprehensive, end-to-end management solution for Carrier Ethernet, Unified Multiprotocol Label Switching (MPLS), and converged packet-optical transport networks. This solution helps service providers deliver a wide range of IP services to customers, with scale and efficiency.

What Problems Does It Help Solve?

Service providers are making the transition to next generation networks that help enable them to be more competitive, looking for new revenue streams as well as improved profitability. Unfortunately, many network management solutions today are point solutions that only provide pockets of control, which slows down operations, drives up costs, and adversely affects the time to market and quality of services (QoS). By providing a comprehensive, integrated, and streamlined approach to network management and service delivery, Cisco Prime for IP NGN helps service providers to better meet their goals.

Cisco Prime for IP NGN

Cisco Prime for IP NGN is a [Cisco Prime Carrier Management](#) solution, referring to the set of capabilities optimized for Carrier Ethernet, Unified MPLS, and converged packet-optical transport networks.

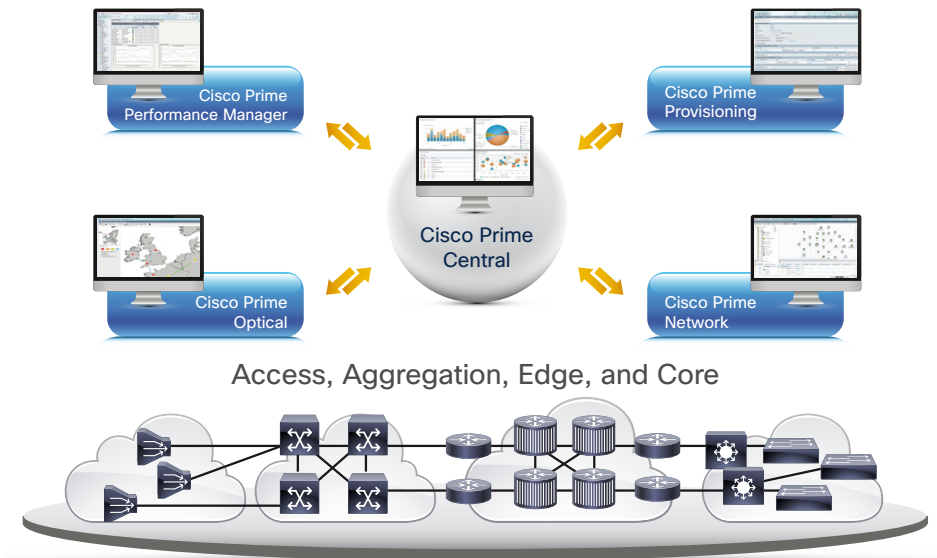
This modular suite consists of:

- **Cisco Prime Central:** Provides secure, centralized access to network inventory, integrated operator workflows, and events/alarms as well as standard interfaces for easy operational support system (OSS) integration
- **Cisco Prime Provisioning:** Automates resource management and provisioning to accelerate service deployments, validate services, and troubleshoot network issues
- **Cisco Prime Performance Manager:** Gathers actionable performance statistics across the entire network
- **Cisco Prime Optical:** Offers best-in-class, highly scalable assurance and fulfillment capabilities for the optical network domain

- **Cisco Prime Network:** Provides comprehensive service assurance including virtual connectivity discovery, root-cause identification, topology-driven troubleshooting, and alarm reduction

See Figure 1.

Figure 1. Cisco Prime for IP NGN drastically simplifies operations and drives efficiencies through a comprehensive and integrated approach to managing the entire network





What Are the Benefits of Cisco Prime for IP NGN?

Cisco Prime for IP NGN:

- **Accelerates service deployment** through automated network configuration and point-and-click provisioning
- **Lowers capital expenditures (CapEx)** by helping maximize the utilization of network resources and assets
- **Reduces operating expenses (OpEx)** through integrated management and seamless execution of service lifecycle management tasks – including design, fulfillment, assurance, and analysis
- **Improves quality of service** through rapid fault isolation and repair of network issues

Who Can Benefit from Cisco Prime for IP NGN?

- Customers who have deployed one or more Cisco Prime Carrier Management products and would like to make use of out-of-the-box integration through Cisco Prime Central
- Customers with a single product and interested in integrating with the OSS. Cisco Prime Central provides Multitechnology Operations System Interface (MTOSI) for inventory integration and Simple Network Mail Protocol (SNMP) forwarder for fault integration. It is also integration-ready with IBM's Tivoli Netcool. (Probes are included).
- Customers looking for a web-based portal with centralized and/or integrated network management

Why Cisco?

With its unmatched experience and expertise, Cisco® offers industry-leading solutions for IP next generation networks. Built on a service-centered foundation, Cisco Prime for IP NGN utilizes an intuitive workflow-oriented approach, empowering organizations to more effectively manage networks and the services they deliver. Existing customers with current maintenance are able to upgrade Cisco Prime components, helping to ensure that their investment is protected as Cisco continues to extend application capabilities that help further drive down costs and increase efficiency.