Cisco Prime Network Registrar Jumpstart 8.3

Cisco Prime™ Network Registrar Jumpstart is a high-performing hardware appliance for Domain Name System (DNS) and Dynamic Host Configuration Protocol (DHCP) services. The solution combines the speed, scalability, and reliability of Cisco Prime Network Registrar world-class DHCP and DNS servers with the ease of deployment of an appliance format and the high performance of Cisco® server hardware.

Product Overview

With the Internet of Everything, billions of new devices such as mobile phones, portable multimedia devices, sensors, and controllers will demand Internet connectivity over the next five years. At the same time, many service providers have started making the transition to IPv6.

Cisco Prime Network Registrar Jumpstart is designed to address these challenges by helping network operators effectively manage IP address growth and automate the adoption of IPv6. The solution offers full lifecycle management for IPv4 and IPv6 for service providers that administer DNS and DHCP services and need a high-performing, scalable, reliable platform to service their subscribers.

Cisco Prime Network Registrar Jumpstart provides a streamlined, straightforward installation that lowers total cost of ownership (TCO) and promotes rapid time to value for the DNS/DHCP solution.

Cisco Prime Network Registrar Jumpstart includes the following:

- **Cisco Prime Network Registrar DNS:** A single, standards-compliant DNS server for IP address translation and service delivery that supports both IPv4 and IPv6 as well as high availability DNS. Advanced capabilities include implementation support for and management of DNS views, support for domain and NXDOMAIN redirection, and support for DNS E.164 Number Mapping (ENUM) configuration. Cisco Prime Network Registrar DNS comes preinstalled and preconfigured on the appliance.

- **Cisco Prime Network Registrar DNS Caching Server:** A DNS caching server that supports DNS Security Extensions (DNSSEC) to prevent cache poisoning and other attacks and provides validation that DNS data has been signed. It also supports DNS64, which allows an IPv6 client to resolve an IPv4 address.

- **Cisco Prime Network Registrar DHCP:** A single, standards-compliant DHCP server for device network access that supports both IPv4 and IPv6. Cisco Prime Network Registrar DHCP is scalable, fast, and powerful and includes support for both DHCPv4 and DHCPv6 failover and a patent-pending discriminating rate limiter for avalanche protection to limit downtime after network outages. The full-featured DHCPv6 server provides support for address assignment, both stateless and stateful configuration, and prefix delegation and stability for full IPv6 address management. Powerful, industry-leading extension support for both IPv4 and IPv6 allows service providers to alter and customize DHCP server operations, improving network security, network performance, and third-party application integration. Cisco Prime Network Registrar DHCP comes preinstalled and preconfigured on the appliance.

- **Cisco Unified Computing System™ (Cisco UCS®) C220 M4:** High-density, two-socket, one rack-unit (RU) rack-mount server built for production-level network infrastructure, web services, and mainstream data center, branch, and remote-office applications.
- **CentOS:** Enterprise-class Linux distribution derived from sources freely provided to the public.
- **VMware ESXi:** VMware virtualization technology preinstalled on the server.

Features and Benefits

Cisco Prime Network Registrar Jumpstart makes DNS and DHCP easier - saving time, money, and IT resources by simplifying installation and reducing startup costs.

- **Fast and easy to implement:** The preconfigured server and the preinstalled software allow for a fast and easy deployment as well as low startup costs. DNS and DHCP services can be immediately turned on, configured, and integrated into the network service for fast time to value - all from one vendor, on one box - and the entire solution is supported by Cisco.
- **Hardware superior scale and performance:** The Cisco UCS C220 M4 server is designed to meet the needs of customers that choose to deploy rack-mount servers and provides a high-performance solution. The Cisco UCS series employs Cisco technology to help customers handle the most challenging workloads and includes powerful Intel processor technology. The one RU rack-mount server is designed to balance simplicity and outstanding levels of performance and density and to help ensure adequate scalability for today and tomorrow.
- **Hardware compact size:** The appliance runs on compact hardware - saving equipment rack space and reducing power and cooling costs and helping enable organizations to lower their TCO and build an environmentally friendly infrastructure.
- **Grows with the business:** The appliance will ship with 1000 permanent IP node licenses. Customers will be able to buy additional licenses to support up to 500,000 IP nodes with this single Cisco UCS server.

Ordering Information

See Table 1 for ordering information. To place an order, visit the [Cisco Ordering Homepage](#).

Table 1.   Ordering Information

Product Name	Part Number
Network Registrar DHCP/DNS Authoritative Jumpstart Appliance	DHCPDNS-APL-K9
Network Registrar Caching DNS Jumpstart Appliance	DNSC-APL-K9

Service and Support

Using the Cisco lifecycle services approach, Cisco and its partners provide a broad portfolio of end-to-end services and support that can help increase your network's business value and return on investment. This approach defines the minimum set of activities needed, by technology and by network complexity, to help you successfully deploy and operate Cisco technologies and optimize their performance throughout the lifecycle of your network.

About Cisco Prime

The Cisco Prime portfolio of IT and service provider management offerings empowers organizations to more effectively manage their networks and the services they deliver. Built on a service-centered foundation, Cisco Prime supports integrated lifecycle management through an intuitive workflow-oriented user experience, providing A-to-Z management for evolved programmable networks, mobility, video, cloud, and managed services.

For More Information

For more information about Cisco Prime Network Registrar Jumpstart, visit http://www.cisco.com/go/jumpstart-nr, contact your local account representative, or send an email to ask-networkregistrar@cisco.com.