

Cisco Prime Network Registrar Jumpstart



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 is designed to help network operators address the challenges of network and device growth, the transition to IPv6, and the reduction of operating expenses. 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. Cisco Prime Network Registrar DNS comes preinstalled and preconfigured on the appliance.
- **Cisco Prime Network Registrar DNS Caching:** 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 DNS Caching comes preinstalled on the server.
- **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 DHCPv4 and DHCPv6 failover and a patent-pending discriminating rate limiter for avalanche protection to limit downtime after network outages. Cisco Prime Network Registrar DHCP comes preinstalled on the appliance.
- **Cisco Unified Computing System™ (Cisco UCS®) C220 M3:** 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.
- **VMware ESXi:** VMware virtualization technology preinstalled on the server.
- **Hardware superior scale and performance:** The Cisco UCS C220 M3 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.
- **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 total cost of ownership (TCO) and build an environmentally friendly infrastructure.
- **Grows with the business:** The appliance ships with 1000 permanent IP node licenses. Customers can buy additional upgrade licenses to support up to 500,000 IPs with this single Cisco UCS server. In addition, the appliance ships with Cisco Prime Network Registrar software preinstalled as a virtual machine. These features give service providers the flexibility to easily expand and to support virtualized data centers.

Who Can Benefit from Cisco Prime Network Registrar Jumpstart?

- Service providers and enterprises that administer DNS and DHCP services and need a high performing, scalable, reliable platform in hardware appliance form factor.
- IP network administrators who are making the transition to IPv6 and need a full-featured DHCPv6 server.

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, and managed services.

For more information, visit www.cisco.com/go/jumpstart-nr or contact ask-networkregistrar.cisco.com.

Key Capabilities and Benefits

- **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. An integrated solution from one vendor, on one box – all supported by Cisco.