

Cisco Prime Access Registrar Jumpstart

Cisco Prime™ Access Registrar Jumpstart is a hardware appliance for RADIUS/Diameter authentication, authorization, and accounting (AAA) services. The solution combines the scalability, flexibility, and high performance of the 3GPP Compliant Cisco Access Registrar software solution with the ease of deployment of an appliance format and the high performance of Cisco server hardware.

Product Overview

Service providers face tremendous challenges in deploying and managing mission-critical access services. These include supporting multiple access technologies including dial-up, DSL, wireless LAN (WLAN), public WLAN, Code Division Multiple Access (CDMA), General Packet Radio Service (GPRS), Universal Mobile Telecommunications Service (UMTS), (iDEN), femtocell, SP-WiFi, VoWiFi, WiMAX, and their corresponding authentication protocols; rapidly delivering new subscriber services for competitive advantage (for example, a new prepaid service); efficiently managing resources like IP addresses or session limits; reducing operating expenses; and keeping up with scalability demands. To address these issues operators need a comprehensive access management solution.

Cisco Prime Access Registrar Jumpstart is designed to address these challenges by providing network operators a carrier class RADIUS/Diameter AAA solution that simplifies the deployment and management of access services. The Cisco Unified Computing System™ (Cisco UCS®) server provides a powerful, integrated system with superior scale and performance in a compact form factor. The Cisco UCS is preconfigured and the Cisco Prime Access Registrar and VMware software is preinstalled, allowing for a quick deployment, low startup costs and rapid time to value for the AAA solution.

Cisco Prime Access Registrar Jumpstart includes the following:

- Cisco Prime Access Registrar: Scalable, flexible, high-performance, 3GPP-compliant solution for AAA management. Cisco Access Registrar comes preinstalled and preconfigured on the Cisco UCS.
- 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.
- VMware ESXi: VMware virtualization technology preinstalled on the Cisco UCS.

Features and Benefits

Cisco Prime Access Registrar Jumpstart makes AAA management easier - saving time, money, and IT resources by simplifying installation and reducing startup costs.

- Fast and easy to implement: The preconfigured Cisco UCS and the preinstalled software allow for a fast and easy deployment as well as low startup costs. AAA 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, performance, and density and to help ensure adequate scalability for today and tomorrow.
- **Compact hardware:** The appliance runs on compact hardware - saving equipment rack space and reducing power and cooling costs, 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 a base license for either 100 transactions per second (TPS) or 100,000 concurrent sessions. Additional TPS or concurrent session licenses to support more than 20,000 total TPS or 4 million concurrent sessions with this single Cisco UCS server can be purchased. In addition, the Cisco UCS ships with Cisco Prime Access Registrar software preinstalled as a virtual machine. These features provide network operators with the flexibility to easily expand and to support virtualized data centers.

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
Cisco Prime Access Registrar Jumpstart Cisco UCS C220 M4 Server	CPAR-APPL-K9
For TPS, default 100 TPS, features similar to PAR70-NG-TPS-K9	PAR70-NG-TPS-AP
For SUB, default 100,000, features similar to PAR70-NG-SUB-K9	PAR70-NG-SUB-AP
Cisco Prime Access Registrar Additional License options; supports 100 TPS	PAR70-100TPS
Cisco Prime Access Registrar Additional License options; supports 200 TPS	PAR70-200TPS
Cisco Prime Access Registrar Additional License options; supports 500 TPS	PAR70-500TPS
Cisco Prime Access Registrar Additional License options; supports 1000 TPS	PAR70-1000TPS
Cisco Prime Access Registrar Additional License options; supports 2000 TPS	PAR70-2000TPS
Cisco Prime Access Registrar Additional License options; supports 3000 TPS	PAR70-3000TPS
Cisco Prime Access Registrar Additional License options; supports 5000 TPS	PAR70-5000TPS
Cisco Prime Access Registrar Additional License options, support 100,000 Concurrent Sessions	PAR70-100K
Cisco Prime Access Registrar Additional License options, support 200,000 Concurrent Sessions	PAR70-200K
Cisco Prime Access Registrar Additional License options, support 500,000 Concurrent Sessions	PAR70-500K
Cisco Prime Access Registrar Additional License options, support 1 Million Concurrent Sessions	PAR70-1M
Cisco Prime Access Registrar Additional License options, support 2 Million Concurrent Sessions	PAR70-2M

Note: Customers must select one of the above two options, PAR70-NG-TPS-AP or PAR70-NG-SUB-AP, when ordering the appliance. And, optionally choose any additional capacity needed.

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.

For More Information

For more information about Cisco Access Registrar Jumpstart, visit <http://cisco.com/go/jumpstart-ar>, contact your local account representative, or send an email to ar-tme@cisco.com for presales/business queries or cs-ar@cisco.com for technical queries.




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