



# Cisco Prime IP Express

## Ordering Guide

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## Cisco Prime IP Express

Cisco Prime™ IP Express is an integrated, high-performance, reliable Domain Name System (DNS), Dynamic Host Configuration Protocol (DHCP), and IP address management (IPAM) (DDI) solution for both IPv4 and IPv6.

The solution is composed of four orderable components, including a DNS authoritative protocol service, a DNS caching service, a DHCP service, and an IP Address Management application. Note: A bring your own device (BYOD) captive portal is included with the base licenses for the DHCP and DNS protocol services.

The Cisco Prime IP Express component product names are as follows:

- Top-level application family name:
  - Cisco Prime IP Express
- Individual component application names:
  - Cisco Prime IP Express DNS
  - Cisco Prime IP Express DNS Caching Server
  - Cisco Prime IP Express DHCP
  - Cisco Prime Network Registrar IPAM

**Note:** The IPAM component is the same as that in Cisco Prime Network Registrar, and the name has not been changed.

## Cisco Prime IP Express Ordering Information

This section provides detailed information on product component pricing and support pricing for ordering purposes.

Cisco® ordering and quoting tools are located on Cisco.com (password required) at <https://cisco-apps.cisco.com/web/ordering/root/index.html>, and the Cisco Commerce Workspace is located at <https://cisco-apps.cisco.com/cisco/psn/commerce>. Using this tool, in the Find Products area, enter “Prime IP Express” or the product ID (PID) into the search field and click the search button. On the next page, click Select for the desired product and enter the quantity (note the default is 1) for **R-NETREG-ENT**, **NETREG-ENT**, or **ENT-8.2-DNSCSH-K9**. Next, click the Add button in the Selected Items box to add the product to the order. You can now select options for specific DHCP, DNS, or IPAM licenses on the next page.

Cisco Prime IP Express offers a combination of DHCP, DNS, and IPAM applications that can be ordered and purchased individually or as one of two bundles (suites). A single server license for the DNS caching server is included with the purchase of a DNS base license or when ordering a DHCP/DNS or DHCP/DNS/IPAM bundle. Additional DNS caching server licenses are available for sale on a per server basis.

First-time customers can order any of the items from Table 1.

**Table 1.** Cisco Prime IP Express Individual Components and Suites of Products for First-Time Customers

Individual Components	Suites
<ul style="list-style-type: none"><li>• Cisco Prime IP Express DNS</li><li>• Cisco Prime IP Express DNS Caching Server</li><li>• Cisco Prime IP Express DHCP</li><li>• Cisco Prime Network Registrar IPAM</li></ul>	<ul style="list-style-type: none"><li>• Cisco Prime IP Express DD Includes DHCP, DNS Authoritative, and a single DNS caching license</li><li>• Cisco Prime IP Express DDI Includes DHCP, DNS Authoritative, a single DNS caching license, and IPAM</li></ul>

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## Licensing Information

Cisco Prime IP Express DHCP is licensed based on the number of IP leases being supported. Cisco Prime IP Express DNS (Authoritative) is licensed based on the number of zone resource records (RRs) being supported. Cisco Prime Network Registrar IPAM license counts are based on the number of actively managed IP addresses, meaning those IPv4 and IPv6 addresses that are defined as type static and those active leases learned through the discovery processes.

For any individual component (except the DNS caching server) and any suite, users must first order a base license, which includes the software media kit and a license for 1000 IP leases/RRs/IP addresses. If the network has more than 1000 IP leases/RRs/actively managed IP addresses, users must order additional licenses to cover the remaining IP leases/RRs/actively managed IP addresses.

For the two suites, the license count applies to each service; for example, for the Cisco Prime IP Express DD base license, the base license covers 1000 IP leases for DHCP and 1000 RRs for DNS. For additional licenses above the base 1000 IP leases/RRs/actively managed IP addresses, the DD and DDI suites use the "IP node" terminology (where one IP node equals a combination of one DHCP IP lease and four DNS Authoritative resource records).

DHCP and DNS Authoritative licenses are shared across a customer deployment; for example, features such as redundancy and total license count can be spread across any number of local clusters and on as many servers as needed. Again, except for the DNS caching server, Cisco Prime IP Express is not licensed on a per server basis. In addition, licensing is separate from high availability or failover, which are configuration issues. The network administrator will issue through the regional server whatever numbers of licenses are needed per local server/cluster. For example, for redundant DNS or DHCP servers, it is not required that each use exactly half of the RR/IP lease count. The network administrator can determine and set the RR/IP lease license count for each, mapping to the specific needs of each. For IPAM redundancy, duplicate licensing is not required.

For additional DNS caching server licenses (beyond the one included with DNS Authoritative or a suite) requires ordering a separate license for each server or virtual machine. Customers running virtualized environments will require a unique license for each running instance of the caching DNS server.

## Ordering Rules

### **Packaging General Information**

Creating a regional cluster is required when installing Cisco Prime IP Express. The regional cluster can be installed on a separate server or on the same physical server as the local server if installed in a separate virtual machine. All license keys are activated and managed through the regional cluster; for example, the regional server is responsible for counting deployed licenses among the various local clusters. Each assigned IPv4 address, IPv6 address, or IPv6 prefix delegation counts as one IP node regardless of whether used by the same or different clients, and IPv6 prefix delegations are counted as one IP node.

Cisco Prime IP Express provides an easy-to-access license count mechanism through the web UI. Current licenses and usage counts are shown on the View Licenses page, and usage history can be viewed on the View License History page.

As previously stated, the regional cluster manages and monitors the local clusters through its cluster management capability. Cluster management allows central management of address spaces and global protocol server configuration. Using the web UI, the administrator at the regional cluster can add and manage a list of Cisco Prime IP Express local clusters and their credentials - such as creating, pulling, and pushing VPNs; managing DHCP client classes, scope templates, and policies; managing failover pairs; and handling zone distribution. Through the web UI, Cisco Prime IP Express administrators can also pull IP lease history data from the local clusters.

### IPAM Packaging

IPAM is available in three different offerings - full IPAM for management of both DHCP and DNS services, IPAM for management of DNS services only, and IPAM for management of DHCP services only. Each offering has its own base product ID (PID): PNR-81-IPAM-1K-K9, PNR-81-IPDNS-1KK9, and PNR-81-IPDHCP-1KK9, respectively.

**Note:** Cisco Prime IP Express DNS and Cisco Prime IP Express DHCP are separate products and are not included as part of these IPAM base PIDs.

### Upgrade Policy

Only customers running Cisco Network Registrar 7.0 or later are offered upgrade pricing when upgrading to Cisco Prime IP Express 8.x.

### Cisco Prime IP Express Product Component Part Numbers

Table 2 lists part numbers for the Cisco Prime IP Express components, and Table 3 lists upgrade product numbers. Customers may choose their preferred method of software license document and software application delivery - physical or electronic.

With the electronic delivery option, the customer receives electronic fulfillment of both software and license entitlement documentation through a self-service portal in the eDelivery application. With eDelivery, users are able to manage and download software along with license entitlement documentation, including Right to Use, End User License Agreement (EULA), and License Claim Certificate with associated Product Authorization Keys (PAKs).

Once a customer has placed an order for an eDelivery product using his or her Cisco.com user profile, user ID, and password, the customer receives an email. This email will contain the license documentation attached in a PDF format and a link to the [eDelivery application](#) from which he or she is able to download the Cisco Prime IP Express product software.

To use the eDelivery option, customers must use the eDelivery top-level configuration PID listed below (**R NETREG-ENT**). For a particular order, once this top-level eDelivery PID is entered into the ordering system, any product option PID will automatically adopt eDelivery as well. Conversely, for orders in which the physical delivery top-level ordering PID is selected (**NETREG-ENT**), any product option PID will automatically adopt physical delivery as well.

**Table 2.** Cisco Prime IP Express Product Numbers

Product Number	Description
<b>NETREG-ENT</b>	Cisco Prime IP Express Registrar PID (DCT Ordering Use Only)
<b>R-NETREG-ENT</b>	Cisco Prime IP Express eDelivery PID (DCT Ordering Use Only)
<b>IP Express DHCP</b>	
<b>ENT-8.2-DHCP-1K-K9</b>	Cisco Prime IP Express DHCP 8.2 Base - 1000 IP Leases

Product Number	Description
<b>ENT-8.2-DHCP-5K</b>	Cisco Prime IP Express DHCP 8.2 - 5000 IP Leases
<b>ENT-8.2-DHCP-10K</b>	Cisco Prime IP Express DHCP 8.2 - 10,000 IP Leases
<b>ENT-8.2-DHCP-25K</b>	Cisco Prime IP Express DHCP 8.2 - 25,000 IP Leases
<b>ENT-8.2-DHCP-50K</b>	Cisco Prime IP Express DHCP 8.2 - 50,000 IP Leases
<b>ENT-8.2-DHCP-100K</b>	Cisco Prime IP Express DHCP 8.2 - 100,000 IP Leases
<b>ENT-8.2-DHCP-200K</b>	Cisco Prime IP Express DHCP 8.2 - 200,000 IP Leases
<b>IP Express DNS</b>	
<b>ENT-82-DNS-1K-K9</b>	Cisco Prime IP Express DNS 8.2 Base - 1000 RRs
<b>ENT-8.2-DNS-5K</b>	Cisco Prime IP Express DNS 8.2 - 20,000 RRs
<b>ENT-8.2-DNS-10K</b>	Cisco Prime IP Express DNS 8.2 - 40,000 RRs
<b>ENT-8.2-DNS-25K</b>	Cisco Prime IP Express DNS 8.2 - 100,000 RRs
<b>ENT-8.2-DNS-50K</b>	Cisco Prime IP Express DNS 8.2 - 200,000 RRs
<b>ENT-8.2-DNS-100K</b>	Cisco Prime IP Express DNS 8.2 - 400,000 RRs
<b>ENT-8.2-DNS-200K</b>	Cisco Prime IP Express DNS 8.2 - 800,000 RRs
<b>Network Registrar IPAM</b>	
<b>PNR-81-IPAM-1K-K9</b>	Cisco Prime Network Registrar IPAM 8.1 Base - 1000 IP Addresses
<b>PNR-8.1-IPAM-5K</b>	Cisco Prime Network Registrar IPAM 8.1 - 5000 IP Addresses
<b>PNR-8.1-IPAM-10K</b>	Cisco Prime Network Registrar IPAM 8.1 - 10,000 IP Addresses
<b>PNR-8.1-IPAM-25K</b>	Cisco Prime Network Registrar IPAM 8.1 - 25,000 IP Addresses
<b>PNR-8.1-IPAM-50K</b>	Cisco Prime Network Registrar IPAM 8.1 - 50,000 IP Addresses
<b>PNR-8.1-IPAM-100K</b>	Cisco Prime Network Registrar IPAM 8.1 - 100,000 IP Addresses
<b>PNR-8.1-IPAM-500K</b>	Cisco Prime Network Registrar IPAM 8.1 - 500,000 IP Addresses
<b>PNR-8.1-IPAM-1M</b>	Cisco Prime Network Registrar IPAM 8.1 - 1 million IP Addresses
<b>PNR-8.1-IPAM-2M</b>	Cisco Prime Network Registrar IPAM 8.1 - 2 million IP Addresses
<b>PNR-81-IPDNS-1KK9</b>	Cisco Prime Network Registrar DNS only IPAM 8.1 - 1000 IP Addresses
<b>PNR-8.1-IPDNS-5K</b>	Cisco Prime Network Registrar DNS only IPAM 8.1 - 5000 IP Addresses
<b>PNR-8.1-IPDNS-10K</b>	Cisco Prime Network Registrar DNS only IPAM 8.1 - 10,000 IP Addresses
<b>PNR-8.1-IPDNS-25K</b>	Cisco Prime Network Registrar DNS only IPAM 8.1 - 25,000 IP Addresses
<b>PNR-8.1-IPDNS-50K</b>	Cisco Prime Network Registrar DNS only IPAM 8.1 - 50,000 IP Addresses
<b>PNR-8.1-IPDNS-100K</b>	Cisco Prime Network Registrar DNS only IPAM 8.1 - 100,000 IP Addresses
<b>PNR-8.1-IPDNS-500K</b>	Cisco Prime Network Registrar DNS only IPAM 8.1 - 500,000 IP Addresses
<b>PNR-8.1-IPDNS-1M</b>	Cisco Prime Network Registrar DNS only IPAM 8.1 - 1 million IP Addresses
<b>PNR-8.1-IPDNS-2M</b>	Cisco Prime Network Registrar DNS only IPAM 8.1 - 2 million IP Addresses
<b>PNR-81-IPDHCP-1KK9</b>	Cisco Prime Network Registrar DHCP only IPAM 8.1 - 1000 IP Addresses
<b>PNR-8.1-IPDHCP-5K</b>	Cisco Prime Network Registrar DHCP only IPAM 8.1 - 5000 IP Addresses
<b>PNR-8.1-IPDHCP-10K</b>	Cisco Prime Network Registrar DHCP only IPAM 8.1 - 10,000 IP Addresses
<b>PNR-8.1-IPDHCP-25K</b>	Cisco Prime Network Registrar DHCP only IPAM 8.1 - 25,000 IP Addresses
<b>PNR-8.1-IPDHCP-50K</b>	Cisco Prime Network Registrar DHCP only IPAM 8.1 - 50,000 IP Addresses
<b>PNR-81-IPDHCP-100K</b>	Cisco Prime Network Registrar DHCP only IPAM 8.1 - 100,000 IP Addresses
<b>PNR-81-IPDHCP-500K</b>	Cisco Prime Network Registrar DHCP only IPAM 8.1 - 500,000 IP Addresses
<b>PNR-81-IPDHCP-1M</b>	Cisco Prime Network Registrar DHCP only IPAM 8.1 - 1 million IP Addresses
<b>PNR-81-IPDHCP-2M</b>	Cisco Prime Network Registrar DHCP only IPAM 8.1 - 2 million IP Addresses

Product Number	Description
<b>IP Express DDI</b>	
ENT-8.2-DDI-1K-K9	Cisco Prime IP Express DDI 8.2 Base - 1000 IP Nodes
ENT-8.2-DDI-5K	Cisco Prime IP Express DDI 8.2 - 5000 IP Nodes
ENT-8.2-DDI-10K	Cisco Prime IP Express DDI 8.2 - 10,000 IP Nodes
ENT-8.2-DDI-25K	Cisco Prime IP Express DDI 8.2 - 25,000 IP Nodes
ENT-8.2-DDI-50K	Cisco Prime IP Express DDI 8.2 - 50,000 IP Nodes
ENT-8.2-DDI-100K	Cisco Prime IP Express DDI 8.2 - 100,000 IP Nodes
ENT-8.2-DDI-200K	Cisco Prime IP Express DDI 8.2 - 200,000 IP Nodes
<b>IP Express DHCP/DNS</b>	
ENT-8.2-DD-1K-K9	Cisco Prime IP Express DHCP/DNS 8.2 Base - 1000 IP Nodes
ENT-8.2-DD-5K	Cisco Prime IP Express DHCP/DNS 8.2 - 5000 IP Nodes
ENT-8.2-DD-10K	Cisco Prime IP Express DHCP/DNS 8.2 - 10,000 IP Nodes
ENT-8.2-DD-25K	Cisco Prime IP Express DHCP/DNS 8.2 - 25,000 IP Nodes
ENT-8.2-DD-50K	Cisco Prime IP Express DHCP/DNS 8.2 - 50,000 IP Nodes
ENT-8.2-DD-100K	Cisco Prime IP Express DHCP/DNS 8.2 - 100,000 IP Nodes
ENT-8.2-DD-200K	Cisco Prime IP Express DHCP/DNS 8.2 - 200,000 IP Nodes
<b>DNS Caching Server</b>	
ENT-8.2-DNSCSH-K9	Cisco Prime IP Express DNS Caching Server
<b>SDK</b>	
L-PNR-8.2-SDK=	Cisco Prime Network Registrar 8.2 SDK, including License eDelivery

**Table 3.** Cisco Prime IP Express Upgrade Product Numbers

Product Number	Description
<b>IP Express DHCP Upgrade</b>	
ENT-82-DHCP-U1K-K9	Cisco Prime IP Express UPG DHCP 8.2 Base - 1000 IP Leases
ENT-82-DHCP-U5K	Cisco Prime IP Express UPG DHCP 8.2 - 5000 IP Leases
ENT-82-DHCP-U10K	Cisco Prime IP Express UPG DHCP 8.2 - 10,000 IP Leases
ENT-82-DHCP-U25K	Cisco Prime IP Express UPG DHCP 8.2 - 25,000 IP Leases
ENT-82-DHCP-U50K	Cisco Prime IP Express UPG DHCP 8.2 - 50,000 IP Leases
ENT-82-DHCP-U100K	Cisco Prime IP Express UPG DHCP 8.2 - 100,000 IP Leases
ENT-8.2-DHCP-U200K	Cisco Prime IP Express UPG DHCP 8.2 - 200,000 IP Leases
<b>IP Express DNS Upgrade</b>	
ENT-82-DNS-U1K-K9	Cisco Prime IP Express UPG DNS 8.2 Base - 1000 RRs
ENT-82-DNS-UP5K	Cisco Prime IP Express UPG DNS 8.2 - 20,000 RRs
ENT-82-DNS-UP10K	Cisco Prime IP Express UPG DNS 8.2 - 40,000 RRs
ENT-82-DNS-UP25K	Cisco Prime IP Express UPG DNS 8.2 - 100,000 RRs
ENT-82-DNS-UP50K	Cisco Prime IP Express UPG DNS 8.2 - 200,000 RRs
ENT-82-DNS-UP100K	Cisco Prime IP Express UPG DNS 8.2 - 400,000 RRs
ENT-82-DNS-UP200K	Cisco Prime IP Express UPG DNS 8.2 - 800,000 RRs
<b>IP Express DHCP/DNS Upgrade</b>	
ENT-8.2-DD-U1K-K9	Cisco Prime IP Express UPG DHCP/DNS 8.2 Base - 1000 IP Nodes
ENT-8.2-DD-UP5K	Cisco Prime IP Express UPG DHCP/DNS 8.2 - 5000 IP Nodes
ENT-8.2-DD-UP10K	Cisco Prime IP Express UPG DHCP/DNS 8.2 - 10,000 IP Nodes
ENT-8.2-DD-UP25K	Cisco Prime IP Express UPG DHCP/DNS 8.2 - 25,000 IP Nodes

Product Number	Description
ENT-8.2-DD-UP50K	Cisco Prime IP Express UPG DHCP/DNS 8.2 - 50,000 IP Nodes
ENT-8.2-DD-UP100K	Cisco Prime IP Express UPG DHCP/DNS 8.2 - 100,000 IP Nodes
ENT-8.2-DD-UP200K	Cisco Prime IP Express UPG DHCP/DNS 8.2 - 200,000 IP Nodes

## Appliance Product Numbers

**PREGDD-APLNC-K9** is the appliance for DHCP and DNS (Authoritative). The appliance is preinstalled on a Cisco Unified Computing System™ (Cisco UCS®) C220 M3 server with VMware ESXi 5.x, CentOS 6.x, and a Base 1000 license for either

- Cisco Prime Network Registrar DD Version 8.2
- or
- Cisco Prime IP Express DD Version 8.2

When ordering PREGDD-APLNC-K9 you must specify whether you would like Cisco Prime Network Registrar DD (CPNR-SW-1.0-K9) or Cisco Prime IP Express DD (ENT-SW-1.0-K9) installed on the appliance.

**PREGCDNS-APLNC-K9** is the Cisco Prime Network Registrar Jumpstart appliance for DNS Caching. The appliance is preinstalled on a Cisco UCS C220 M3 server with VMware ESXi 5.x, CentOS 6.x, and a server license for Cisco Prime Network Registrar DNS Caching or Cisco Prime IP Express DNS Caching. The DNS Caching Appliance can be used with ISC BIND or other standards-compliant DNS Authoritative servers.

To order a software only DNS caching software license, use ENT-8.2-DNSCSH-K9.

When ordering PREGCDNS-APLNC-K9, you must specify whether you would like Cisco Prime Network Registrar DNS Caching (CPNR-SW-1.0-K9) or Cisco Prime IP Express DNS Caching (ENT-SW-1.0-K9) installed on the appliance.

Table 4 lists the part numbers associated with the appliances.

**Table 4.** Appliance Product Numbers

Product Number	Description
<b>PREGDD-APLNC-K9</b>	Cisco Prime Network Registrar/IP Express DHCP/DNS Authoritative Jumpstart Appliance <ul style="list-style-type: none"> <li>• CPNR-SW-1.0-K9</li> <li>or</li> <li>• ENT-SW-1.0-K9</li> </ul>
<b>PREGCDNS-APLNC-K9</b>	Cisco Prime Network Registrar/IP Express Caching DNS Jumpstart Appliance <ul style="list-style-type: none"> <li>• CPNR-SW-1.0-K9</li> <li>or</li> <li>• ENT-SW-1.0-K9</li> </ul>

Customers requiring Cisco technical support and minor updates to Cisco Prime IP Express Jumpstart will need to purchase both SMARTnet® and Cisco Software Application Support (SAS) contracts.

## How to Order Cisco Prime IP Express

To place an order, visit the Cisco Ordering Homepage. See Tables 2 and 3 for a list of Cisco Prime IP Express product numbers and upgrade product numbers. To download software, visit the Cisco Software Center.



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## Ordering Software Application Support

Cisco recommends the purchase of a Software Application Support (SAS) contract, which includes 24-hour a day, 7-day a week Cisco Technical Assistance Center (TAC) support as well as license rights to all patches, maintenance, and minor releases.

## For Additional Information

For more information about Cisco Prime IP Express, visit <http://www.cisco.com/go/prime-ipexpress>, contact your local account representative, or send an email to [prime-ipexpress@cisco.com](mailto:prime-ipexpress@cisco.com).




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