

Cisco Configuration Professional and Express

Cisco Configuration Professional Express

- Q.** What is Cisco® Configuration Professional Express?
- A.** Cisco Configuration Professional Express, a lightweight version of Cisco Configuration Professional, is an embedded device manager that is available on the router flash memory and can be used to configure some of the LAN and WAN interfaces and basic configurations of the router to bootstrap the router.
- Q.** How do I enable Cisco Configuration Professional Express?
- A.** You can enable Cisco Configuration Professional Express by selecting the configuration SKU while ordering. By default the Cisco Configuration Professional Express is enabled on the router flash memory. Please refer to the ordering section in the data sheet at: <http://www.cisco.com/go/ciscoccp>.
- Q.** What is the difference between Cisco Configuration Professional and Express?
- A.** You can use the Express version that comes in router flash memory to bootstrap the router with basic configurations. You can use it as a first step to connect the box so that it can reach to a centralized management server such as a Cisco Prime™ or Cisco Configuration Professional server for ongoing management. Cisco Configuration Professional is a fully developed device manager that addresses the Cisco IOS® Software features supported in Cisco Integrated Services Routers (ISRs) and Cisco Integrated Services Routers Generation 2 (ISR G2) routers.
- Q.** What is new in the Cisco Configuration Professional Express?
- A.** Release 2.7 comes with two offerings: an Admin portal and an End User portal. The End User portal is a new offering that allows you to expose limited configuration changes to end users.
- Q.** What is the difference between the two offerings of Express - Admin and End User portals of Express?
- A.** Administrators use the Admin View for router administrative tasks such as setting up WAN uplinks and creating VLANs, IP routes, users, Dynamic Host Configuration Protocol (DHCP), and so on. Administrators can set up the End User View so that users can access it to associate switch ports to VLANs, and to create new Service Set Identifiers (SSIDs) for wireless interfaces.
- Q.** How are the Admin and End User portals available?
- A.** The Admin portal comes by default on the router flash memory. You can download the End User portal from the software download center at: <http://www.cisco.com/cisco/software/release.html?mdfid=281795035&softwareid=282159854&release=2.7&relinid=AVAILABLE&rellifecycle=&reltype=latest>. Please refer to the instruction guide on how to install the End User portal: http://www.cisco.com/en/US/docs/net_mgmt/cisco_configuration_professional_express/v2_7/guides/userguide/ccp_express_EndUser_Guide.html.

- Q.** I am using an earlier router version that does not come with Cisco Configuration Professional Express 2.7. How can I use the new Admin portal?
- A.** You can also download the Admin portal for Cisco Configuration Professional Express from the software download center at:
<http://www.cisco.com/cisco/software/release.html?mdfid=281795035&softwareid=282159854&release=2.7&relind=AVAILABLE&rellifecycle=&reltype=latest>. Please refer to the instruction guide on how to install the Admin portal:
http://www.cisco.com/en/US/docs/net_mgmt/cisco_configuration_professional_express/v2_7/guides/adminguide/CCPEExpress_Admin_Guide.html.
- Q.** What connectivity steps are needed to instantiate Cisco Configuration Professional Express?
- A.** Please refer to the quick start guide on how to connect a PC or desktop to the router to bring up the Cisco Configuration Professional Express:
http://www.cisco.com/en/US/products/ps9422/prod_installation_guides_list.html.

Cisco Configuration Professional

- Q.** What is Cisco Configuration Professional?
- A.** Cisco Configuration Professional is a GUI device-management tool for Cisco IOS Software-based access routers, the Cisco Integrated Services Routers.
- Q.** What are the system requirements for Cisco Configuration Professional?
- A.** Please refer to the Cisco Configuration Professional data sheet for this information:
<http://www.cisco.com/go/ciscocp>.
- Q.** Can Cisco Configuration Professional function under any other operating systems (UNIX, Linux, or Mac OS)?
- A.** Currently Cisco Configuration Professional is supported only on Windows platforms.
- Q.** Can I use Cisco Configuration Professional with Windows platforms other than the ones mentioned under system requirements in the data sheet?
- A.** Yes, but these platforms would be unsupported operating systems.
- Q.** How much does Cisco Configuration Professional cost?
- A.** Cisco Configuration Professional is included on a CD at no additional cost with several integrated services routers; it is also available as a free download at: <http://www.cisco.com/go/ciscocp>.
- Q.** How can I get the latest version of Cisco Configuration Professional?
- A.** Cisco Configuration Professional is available as a free download at: <http://www.cisco.com/go/ciscocp>.
- Q.** What languages are available for Cisco Configuration Professional?
- A.** Although other languages are planned for the future, currently Cisco Configuration Professional is available only in English.
- Q.** What is the difference between Cisco Configuration Professional and Cisco Configuration Assistant?
- A.** Cisco Configuration Assistant targets the small business segment and supports the 500 Series devices (Cisco Unified Communications 500 Series for Small Business [UC500], Cisco UC500 Series Switches, and Cisco 500 Series Wireless Express Mobility Controllers), and Cisco Configuration Professional targets the midmarket and enterprise branch-office markets with support for the integrated services routers. Cisco Configuration Professional will eventually replace Cisco Security Device Manager (SDM).

- Q.** How secure is Cisco Configuration Professional?
- A.** Cisco Configuration Professional supports secure protocols such as Secure Shell (SSH) Protocol and Secure HTTP (HTTPS) to communicate with the devices.
- Q.** What products are supported by Cisco Configuration Professional and Express?
- A.** A complete list of the supported products is available in the Cisco Configuration Professional data sheet at: http://www.cisco.com/en/US/products/ps9422/products_data_sheets_list.html.
- Q.** Can Cisco Configuration Professional manage a multiple-vendor network?
- A.** No, Cisco Configuration Professional manages only Cisco devices.
- Q.** What is a community?
- A.** A community is a group of devices that are managed together.
- Q.** Does Cisco Configuration Professional have any device limits?
- A.** Yes, Cisco Configuration Professional 1.1 can manage as many as 5 devices per community, whereas Cisco Configuration Professional 1.0 supports as many as 10 devices per community.
- Q.** Is there a limitation on the number of communities that can be created?
- A.** No, currently there is no limitation on the number of communities that can be created.
- Q.** What does the term “discover” mean?
- A.** According to Cisco Configuration Professional, discover is a term used to session into the router using secure or nonsecure means and then read the configuration present in the router and populate the screen with the same information.
- Q.** Will I need to rediscover the routers when I move from one community to another?
- A.** Yes, when you move away from a community you need to rediscover the routers in the new community.
- Q.** How do I collect logs in Cisco Configuration Professional 1.1?
- A.** Start → Programs → Cisco Configuration Professional → Collect Data for Tech Support. A batch file will be run that collects all the logs and zips them to a newly created folder on your desktop; for example, CiscoCP Data for Tech Support 2008-07-31_09-27-03.
- Q.** How can I give Cisco feedback about Cisco Configuration Professional?
- A.** Click the feedback icon on the toolbar to give us feedback about Cisco Configuration Professional. You can also send an email message to ccp-feedback@cisco.com.

Security Support

- Q.** Is a very-high-data-rate DSL (VDSL) interface supported in Cisco Configuration Professional?
- A.** Configuring a VDSL interface is currently not supported.
- Q.** Does Cisco Configuration Professional support Session Initiation Protocol (SIP) inspection under self-zone?
- A.** No, Cisco Configuration Professional 1.1 does not currently support SIP protocol inspection under self-zone.

Voice Support

- Q.** What voice features are supported in Cisco Configuration Professional 1.1?
- A.** Please refer to Table 7 of the data sheet at:
http://www.cisco.com/en/US/prod/collateral/routers/ps9422/data_sheet_c78_462210.html.
- Q.** Does Cisco Configuration Professional support creation of SIP phones?
- A.** No, Cisco Configuration Professional 1.1 does not support creation of SIP phones.
- Q.** Does Cisco Configuration Professional support Cisco Unity® Express upgrades?
- A.** Cisco Unity Express is not supported in Cisco Configuration Professional 1.1.
- Q.** What Cisco Unified Communications Manager Express (CME) versions does Cisco Configuration Professional support?
- A.** Cisco Unified Communications Manager Express 4.0 and later are supported in Cisco Configuration Professional.
- Q.** What Cisco Unity Express versions does Cisco Configuration Professional support?
- A.** Cisco Configuration Professional supports Cisco Unity Express 2.3.4 and later (up to 3.1) versions.
- Q.** What Cisco IOS Software versions are compatible with Cisco Configuration Professional?
- A.** Cisco Configuration Professional supports Cisco IOS Software Release 12.4(9)T and later.
- Q.** What trunks are configurable by Cisco Configuration Professional?
- A.** Cisco Configuration Professional supports foreign exchange office (FXO), analog direct inward dialing (DID), Basic Rate Interface (BRI), and T1/E1 Primary Rate Interface (PRI).
- Q.** How do I use Cisco Configuration Professional with an integrated services router that does not have a factory default configuration?
- A.** Steps to run Cisco Configuration Professional on a Cisco router with a non-factory default configuration follow:

Step 1. Connect to your router using Telnet or SSH or through the console.

Enter the global configuration mode using the command:

```
Router(config)#enable
```

Step 2. Enable the router HTTP or HTTPS server using the following Cisco IOS Software commands:

If HTTP and HTTPS are enabled and configured to use nonstandard port numbers, you can skip this step and simply use the port number already configured.

```
Router(config)# ip http server
Router(config)# ip http secure-server
Router(config)# ip http authentication local
```

Note: HTTPS is enabled only for cryptography-enabled Cisco IOS Software images.

Step 3. Create a user with privilege level 15.

```
Router(config)# username <username> privilege 15 password 0 <password>
```

Note: Replace <username> and <password> with the username and password that you want to configure.

Step 4. Configure SSH and Telnet for local login and privilege level 15:

```
Router(config)# line vty 0 4
Router(config-line)# privilege level 15
Router(config-line)# login local
Router(config-line)# transport input telnet
Router(config-line)# transport input telnet ssh
Router(config-line)# exit
```

Step 5. (Optional) Enable local logging to support the log monitoring function:

```
Router(config)# logging buffered 51200 warning
```



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