



CISCO SYSTEMS

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# Roadmap to the Cisco 750 Series and Cisco 760 Series User Guide

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This document is to be used in conjunction with the *Cisco 750 Series and Cisco 760 Series User Guide* publication. It highlights important information contained in the user guide.

This document contains the following sections:

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- Interoperability with Cisco IOS Software, page 3
- Ordering an ISDN BRI Line, page 4
- Using Profiles, page 4
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## Before Configuring the Router

Before installing and configuring the Cisco 750 series or Cisco 760 series router, you should gather the information listed in Table 1, which is required for a successful configuration. This information is generally available from two sources: the Integrated Services Digital Network (ISDN) service provider (telephone company) and the network administrator of the central site network.

## Definition of Terms

This section defines some terms used when gathering the information required to configure the router. If you are familiar with these terms, go to Table 1.

- Service Profile Identifiers (SPIDs) are assigned by the ISDN service provider. They are assigned only in North America. Depending on the switch type that supports your ISDN BRI line, your ISDN line may be assigned none, one, or two SPIDs.
- Directory numbers are the router's equivalent of telephone numbers. This is the number the router dials to connect to a remote router. ISDN BRI lines are generally assigned two directory numbers, one for each B channel.
- An access code is a number that must be dialed before the telephone number to dial outside of a specific telephone system, such as a Centrex system.

- An Internet Protocol (IP) address is a network address that uniquely identifies a device on an IP network. An IP address takes the following format:

— — — . — — — . — — — . — — —

- A Media Access Control (MAC) address is also known as a hardware address. This address is assigned by the device manufacturer, and takes the following format:

— — — — . — — — — . — — — —

- Password Authentication Protocol (PAP) is a form of Point-to-Point Protocol (PPP) authentication that requires an exchange of user names and passwords between two devices. Both devices must support PPP.
- Challenge Handshake Authentication Protocol (CHAP) is another form of PPP authentication that requires an exchange of user names and passwords between two devices. Both devices must support PPP.
- Combinet Packet Protocol (CPP) supports authentication that requires an exchange of passwords between two devices. Both devices must support CPP.

Fill in Table 1 before configuring the router.

**Table 1    Required Router Configuration Information**

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**Information Supplied by the  
Telephone Company:**

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ISDN switch type:

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First SPID:

Second SPID:

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First ISDN directory number:

Second ISDN directory number:

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Telephone access codes:

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**Information supplied by the central site  
network administrator:**

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ISDN (telephone) number of the central site router:

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Your router's WAN IP address:

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Your router's LAN IP address:

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Central site router's WAN IP address:

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Central site router's LAN IP address:

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Central site routers's MAC-layer address:

---

Central site router's system name or host name:

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Central site router's profile name or user name:

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CHAP or PAP client password:

CHAP or PAP host password:

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CPP authentication client password:

CPP authentication host password:

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## Configuration Examples

The user guide contains step-by-step configuration examples based on the routing environment. These configuration examples are contained in the following two chapters:

- Configuring Among Cisco 750 Series and Cisco 760 Series Routers
- Configuring the Cisco 750 Series and Cisco 760 Series with Cisco IOS Software

### Configuring Among Cisco 750 Series and Cisco 760 Series Routers

This chapter contains configuration examples for connecting an Cisco 750 series or Cisco 760 series router to another Cisco 750 series or Cisco 760 series router. This chapter contains examples for the following routing environments:

- Standard profile bridging
- User profile bridging
- IP Routing Information Protocol (RIP) routing
- IP routing with CPP
- IP routing with PPP
- Internetwork Packet Exchange (IPX) routing
- IP routing and IPX bridging
- IP and IPX routing

### Configuring the Cisco 750 Series and Cisco 760 Series with Cisco IOS Software

This chapter contains configuration examples for connecting a Cisco 750 series or Cisco 760 series router to a router running Cisco IOS software. This chapter contains examples for the following routing environments:

- IP RIP routing
- IP unnumbered and IP static routing
- IPX RIP routing
- IPX static routing
- Bridging
- PAP authentication
- CHAP authentication
- Caller ID authentication

### Interoperability with Cisco IOS Software

The appendix “Cisco IOS Interoperability with the Cisco 750 Series and Cisco 760 Series Routers” describes interoperability issues when connecting the Cisco 750 series and Cisco 760 series routers to a router running Cisco IOS software.

### Ordering an ISDN BRI Line

If you have not yet ordered an ISDN BRI line to support your Cisco 750 series or Cisco 760 series router, refer to the appendix “Provisioning the ISDN BRI Line for the Cisco 750 Series and Cisco 760 Series Routers.” The provisioning information in this appendix will assist you in ordering an ISDN BRI line that optimizes the router’s functionality.

### Using Profiles

If you have never used a Cisco 750 series or Cisco 760 series router and are unfamiliar with user profiles, refer to the appendix “Using Profiles with the Cisco 750 Series and Cisco 760 Series Routers.” The operation of the Cisco 750 series and Cisco 760 series routers is based on user profiles.

### Internetworking Background Material

If you are unfamiliar with internetworking technologies and protocols, refer to the appendix “Internetworking Background” before installing or configuring the router.

## Cisco Connection Online

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- WWW: <http://www.cisco.com>.
- Telnet: [cco.cisco.com](telnet://cco.cisco.com).
- Modem: From North America, 408 526-8070; from Europe, 33 1 64 46 40 82. Use the following terminal settings: VT100 emulation; databits: 8; parity: none; stop bits: 1; and baud rates up to 14.4 kbps.

For a copy of CCO's Frequently Asked Questions (FAQ), contact [cco-help@cisco.com](mailto:cco-help@cisco.com). For additional information, contact [cco-team@cisco.com](mailto:cco-team@cisco.com).

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