

# Compatible Systems Setup Guides: Synchronous PPP Dedicated Connection

Document ID: 17624

## Contents

### Introduction

#### Prerequisites

- Requirements

- Components Used

- Conventions

#### Configure

- Connecting your Local Area Network (LAN)

#### Verify

#### Troubleshoot

#### Related Information

## Introduction

This example illustrates how to set up a Point to Point Protocol (PPP) dedicated connection to an ISP using a Compatible Systems Internet Access Router.

Your Internet Service Provider (ISP) will assign Class C network or subnet numbers for your network and the Wide Area Network (WAN) ports from a group of network numbers assigned to them by the Internet Information Center (InterNIC) .

**Note:** All IP addresses in this example are for demonstrational purposes only and have been borrowed from the private address space reserved by the Internet Assigned Numbers Authority (IANA) .

## Prerequisites

### Requirements

There are no specific requirements for this document.

### Components Used

This document is not restricted to specific software and hardware versions.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

### Conventions

Refer to the Cisco Technical Tips Conventions for more information on document conventions.

# Configure

In this section, you are presented with the information to configure the features described in this document.

**Note:** Use the Command Lookup Tool (registered customers only) to obtain more information on the commands used in this section.

## Connecting your Local Area Network (LAN)

Your ISP has provided you with the following information:

- Customer Network Address: 192.168.200.0
- Customer Subnet Mask: 255.255.255.0

Your LAN is connected to the ISP by a dedicated (leased) line and two Communication Service Units (CSUs). The ISP has assigned you a complete Class C network with 254 node addresses to your LAN. We have chosen to use the first address (192.168.200.1) for the router's Ethernet IP address. Other hosts on your network will select from the remaining addresses (2 to 254) for their IP addresses and define the default gateway in their TCP/IP setup as the router's Ethernet IP address.

## Verify

There is currently no verification procedure available for this configuration.

## Troubleshoot

There is currently no specific troubleshooting information available for this configuration.

## Related Information

- [Cisco Compatible Micro Router Series Compatible Systems Setup Guides](#)
- [Technical Support & Documentation – Cisco Systems](#)

---

[Contacts & Feedback](#) | [Help](#) | [Site Map](#)

© 2010 – 2011 Cisco Systems, Inc. All rights reserved. [Terms & Conditions](#) | [Privacy Statement](#) | [Cookie Policy](#) | [Trademarks of Cisco Systems, Inc.](#)

---

Updated: Apr 11, 2002

Document ID: 17624

---