

1. Suitable routers

CAPI is only supported on the 800 series Cisco routers.

The 801 has been successfully tested, and the 802 is also believed to work (has an additional POTs connection but is otherwise identical).

The 801 router is not modular and so cannot accept additional hardware. It is limited to a single Ethernet connection and a single BRI connection (plus an RS232 console port).

The router needs to have IOS version 12.1(2)T or above

2. Router Configuration

2.1 General

- Connect the supplied console lead to a serial port of a PC
- Use hyper terminal to connect to the router
- Switch on the router and wait for a prompt
- When prompted, enter IP address, subnet mask, Gateway and password.

At this point you can continue with configuration, but it is generally easier to telnet into the router.

2.2 CAPI specific

From a Telnet session:

Enter the password to log in.

Enter **enable** to access enable mode (this will prompt for another password)

Type **configure terminal** to enter configuration mode.

Enter the command **rcapi server port 2578** to enable CAPI and choose a port.

Enter the command **rcapi number <your ISDN number>** this tells the Cisco to pass calls to CAPI clients rather than answering them itself. This entry can be repeated if there are multiple numbers for the ISDN line. This is only required if you need to receive incoming calls.

2.3 ISDN configuration

Whilst in configuration mode, enter **Interface BRI0**, to enter configuration commands specific to the ISDN interface.

Enter the following commands:

no ip address

no ip route-cache

isdn switch-type basic-net3

isdn incoming-voice data (only required for receiving incoming calls)

Type **exit** to return to the generic configuration mode, and exit again to return to the normal command line.

2.4 Saving configuration

The Cisco stores two copies of its configuration, the running-config, which contains the currently active configuration, which is rebuilt from the startup-config every time the Cisco is restarted.

Changes made to the configuration must be saved using the command:

Copy running-configuration startup-configuration

Otherwise they will be lost when the router is restarted.

The commands **show running-configuration** and **show startup-configuration** display the relevant files.

This does mean that restarting the router (**reload**) is an easy way to recover a router's configuration after making unsuccessful changes.

3. Client configuration

The installation CD for RVS-COM Lite contains a number of applications including virtual modems and fax software, which are not required.

The CAPI client software is the CEPE directory of the CD and can be installed without the need to run through the main installation program.

During installation it will prompt for the IP address and port of the router. At this point the software will attempt to connect and verify that the router is listening for incoming CAPI connections.