



Cisco Voice Routing Center

Overview

The Cisco Voice Routing Center (VRC) application is used to help service providers manage dial plans for H.323 based VoIP networks. Cisco VRC can be applied to existing networks with working dial plans and can also be used to design new dial plans for the set of gateways, gatekeepers, and directory gatekeepers.

For a network with an existing dial plan, the Cisco VRC application can discover an existing dial plan configuration and store it in the local database for further reference and modifications. To design a new dial plan, the Cisco VRC application provides an interface that allows you to create regions, gatekeeper domains, and H.323 zones, assign network elements to play the roles in the network, and assign phone number and other attributes to these elements and links. The Cisco VRC application also allows you to archive and restore dial plans and to validate the configuration before it is downloaded to the network elements.

The Cisco VRC application consists of a centralized dial plan management server and web based clients distributed across an IP network. The server uses a single database for the persistence of configuration information and is solely responsible for all direct interaction with each managed network element. These communications take place over the Telnet and HTTP protocols.

The server supports simultaneous connections of up to twenty authenticated users through the distributed client interface. From this interface, all users are permitted to browse and perform validation of the dial plan. Sufficiently authorized users are permitted to engage in reconfiguration of the dial plan at any given time.

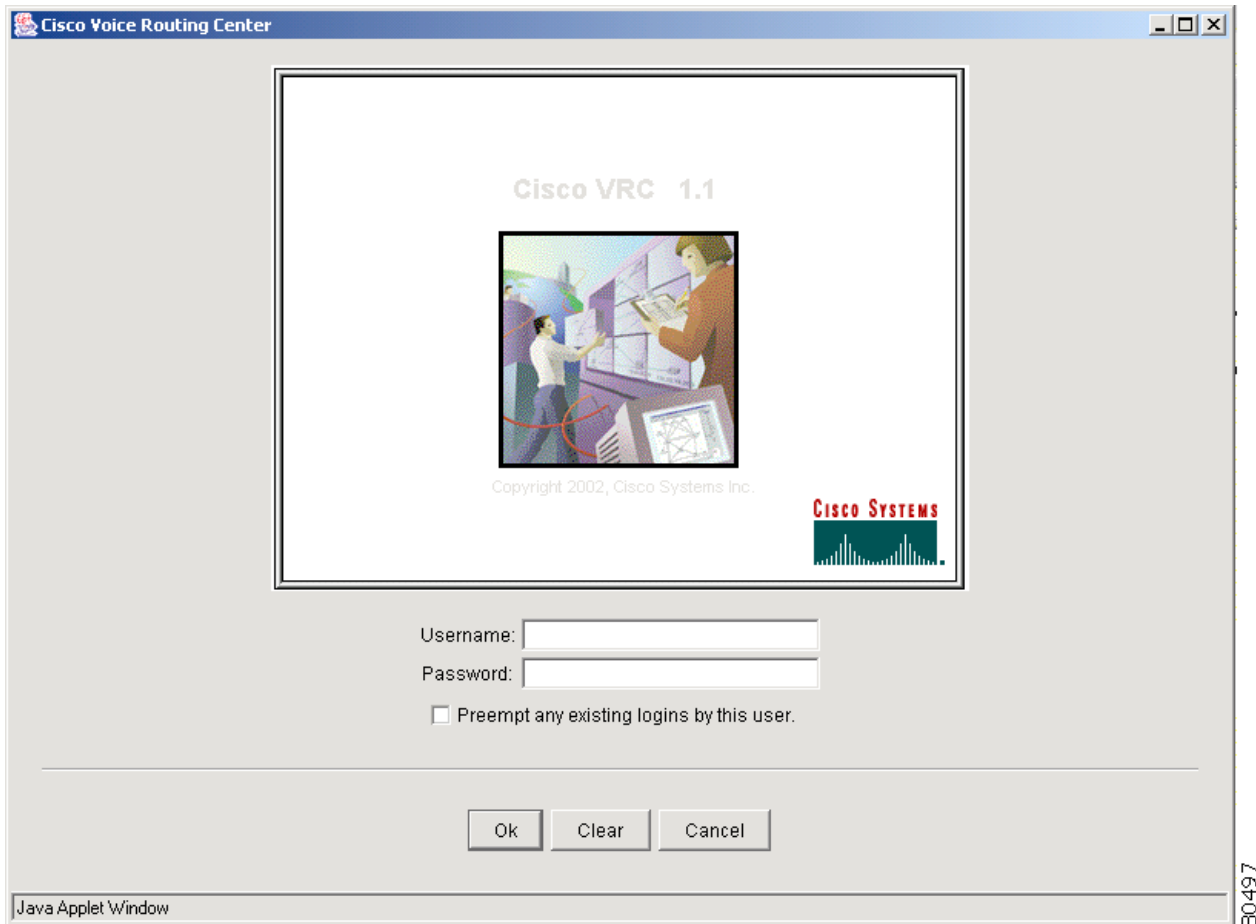
Integration with Cisco PTC

This section describes how the Cisco PTC and Cisco VRC applications are integrated.

Accessing the Cisco VRC Application

Access to the Cisco VRC application is obtained when you click on the **Cisco VSR** button in the Cisco Packet Telephony Center Launch Pad window and the hostname or IP address of the machine where Cisco VRC application is running is known to Cisco PTC. When logging in through the Cisco VRC Login window, shown in [Figure 5-1](#), you are required to specify a valid Cisco VRC username and password.

Figure 5-1 Cisco VRC Login Window



Upon successfully logging in, you now have access to the Cisco VRC application through the Cisco VRC Design View window, shown in [Figure 5-2](#).

For detailed information about the Cisco VRC application and how to use the Cisco VRC application to manage your dial plans for H.323 based VoIP networks, refer to the Cisco VRC documentation at the following URL: http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/vrc/vrc1_1/index.htm.

Figure 5-2 Cisco VRC Window

