Installing CiscoView Wireless

Overview of CiscoView Wireless Installation

For the CD One software to work correctly on Solaris 2.6 or 2.7, Solaris patches are required. Make sure that you have a browser, so that you can download the Solaris patches from http://www.sun.com.

The CD One software includes the device packages needed to manage the wireless aspects for the Cisco uBR7200 series and Cisco 26*xx* and 36*xx* series routers.

Note If you install the CD One software, you do not need to install the device packages separately.

If you need to reinstall the device packages for the Cisco uBR 7200 series and the Cisco 26*xx* and 36*xx* series routers, see the "Installing the Device Packages Independently" section on page 2-1.

You can use the Device Support Utility (DSU) to:

- Integrate new Cisco device packages asynchronously with the CiscoView Wireless engine.
- Install new device packages or upgrade installed device packages to a later version.
- View a list of the currently installed device packages and their versions.
- Uninstall one or more device packages.

Installing the Device Packages Independently

Note Some device packages may have additional dependent packages. You must install these dependent packages before installing the device package. The DSU will report errors if the dependent packages are not already installed and are not selected.

Tips To run the command-line version of the device package, go to
http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/cw2000/cw2000_d

During the installation, you can choose a third-party network management system (NMS) for integration. For further information on integrating the device package with a third-party NMS platform, refer to "Integrating with Third Party Vendors" at http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/cw2000/cw2000_d/3steditn/use_view/xtoci d104246

Step 1   Change to /opt/CSCOpx/bin directory.

Step 2   To start the GUI-based DSU, enter **./xdsu**.

Step 3   To install or uninstall the device packages, click **Install** or **Uninstall**.

See the online help for more instructions.

Starting CiscoView Wireless

Step 1   Start a browser and enter:

http://server:1741

Step 2   Log in to the server with the default username: **admin** and password: **admin**.

Step 3   From the CiscoWorks2000 navigation tree, choose **Device Manager>CiscoView**.

Step 4   Enter the IP address of the device that you want to manage.

The GIF with the real-time status of the device appears.

Note   When you access a device for the first time, the community strings dialog box appears. Follow the default community string values of public for read-only and private for write-only. Change these values if the device is configured differently.

Changing the Preferences in CiscoView Wireless

Step 1   In the CiscoView Wireless main window, select **Preferences**.

Step 2   In the Preferences dialog box, change the parameters you want:

- Timeout
- Retry Count
- Chassis polling frequency
- Default read and write community strings

Tips   You can also change the label formats that appear in all tables and dialog boxes in CiscoView Wireless from the MIB variable name to a user-friendly name.

Turning On Debugging in CiscoView Wireless

In the client/server version of CiscoView Wireless, you can turn on debug and trace options from the CiscoWorks 2000 (CW2000) desktop.

Step 1   Log in to the CW2000 server.

Step 2   Choose **Device Manager**>**Administration**>**CiscoView Server Admin**>**Setting debug options and display log**.

Step 3   Select **SNMP Activity** or **Activity Trace**.

The SNMP requests are on the Java console and also logged to <CD One Install Dir>/www/classpath/cv.log on the server.

Step 4   Enter the following commands:

<CD One Install Dir>/objects/jrun/jsm-cw2000/logs/stderr.log

<CD One Install Dir>/objects/jrun/jsm-cw2000/logs/stdout.log

Viewing Managed Devices on CiscoView Wireless

You can view managed devices in different views; with each device you can retrieve different kinds of information. For example, the front view shows the chassis and various network cards present, and the rear view shows the power-supply LEDs.

Each component is color coded.

Table 2-1   Interpretation of Color Codes

Color	Meaning
Cyan	Dormant
Ocher	Down
Red	Fail
Yellow	Minor alarm
Pink	Testing
Green	Up

You can switch from one view to the other by choosing the corresponding viewing option from the chassis right-click menu.

About Redundancy Support

With CiscoView Wireless, you can have a standby system that can take over in case the functional system fails in a wireless deployment.

Redundancy is defined as the ability to switch service from a Worker to a Protector with minimal disruption of service to customers.

- Worker (W) – The normal headend that currently provides wireless access services.
- Protector (P) – The back up headend that will be turned on to provide wireless access services in case the Worker is unable to do so.

Note   In order to guarantee the behavior and results of a redundancy, use a separate instance of CD One server and CiscoView Wireless client to monitor the redundant Worker-Protector network.

With CiscoView Wireless, you can:

- Support Redundancy on wireless headends.
- Configure Worker-Protector pairs.
- Modify the existing pairs or delete the unneeded sets.
- Provide a graphical 'Redundancy View' at the device level to show the Worker-Protector pair sets.
- Poll each Worker-Protector pair to monitor the health of the Worker and the Protector, and switch to the Protector if the Worker fail.

Retrieving a Worker-Protector Pair

To retrieve a Worker-Protector, from the chassis right-click menu, select **Worker-Protector Pair>View Worker-Protector Pair**.

Creating a Worker-Protector Pair

To create a new Worker-Protector pair, from the chassis right-click menu, choose **Worker-Protector Pair>Add a new W-P pair**.
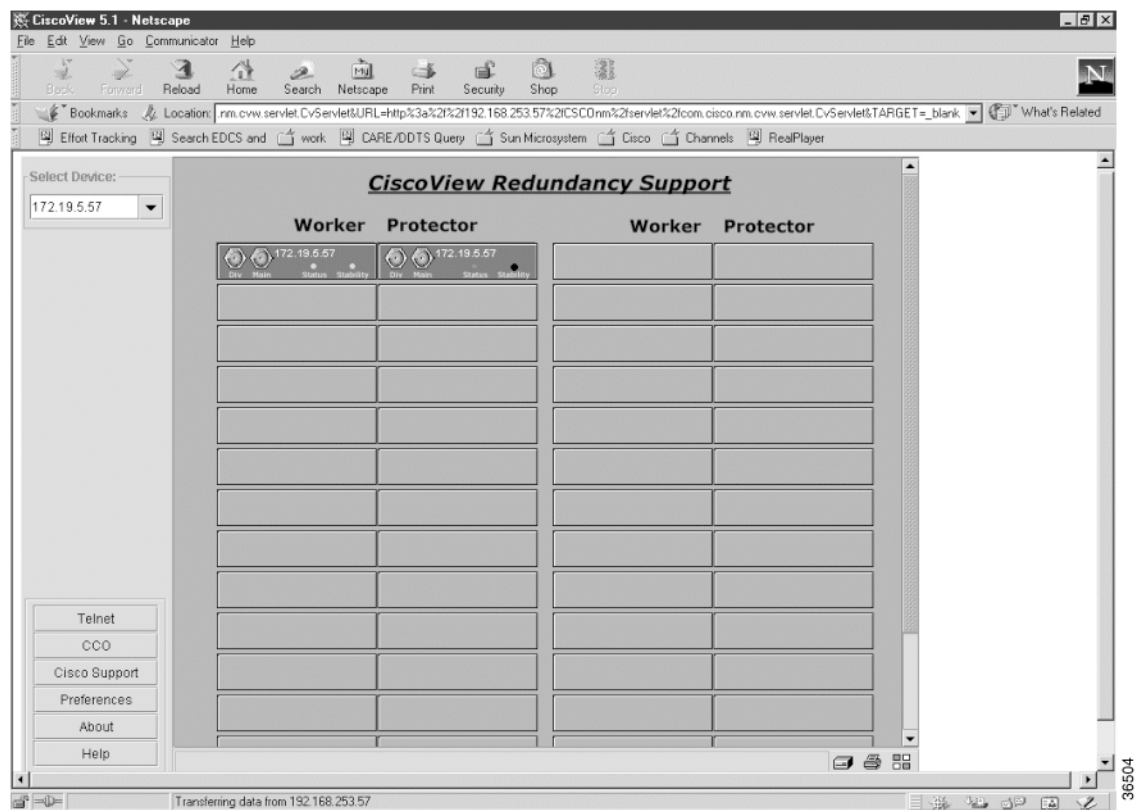
Selecting the Redundancy View

The Redundancy view provides a logical representation of the configured Worker-Protector pairs and shows an array of GIFs, which represent a Worker-Protector pair and the status of various components.

Components represented for each Worker and Protector are:

• Main Antenna Connector

• Diversity Antenna Connector

• Status LED

• Stability LED.

Figure 2-1   Redundancy View

To see the Redundancy View, select **Redundancy** from the chassis right-click menu.

You can retrieve different configuration parameters for each Worker-Protector.