



CHAPTER 5

Managing the Watchdog Protocol

This chapter describes how Manage enables the administrator to define (Agent Virtual Machines) AVMs for units and enable or disable the watchdog protocol on the AVM.

- [Configuring AVMs for High Availability, page 5-1](#)—Describes how to enable or disable the watchdog protocol on the AVM.
- [Viewing and Editing the Watchdog Protocol Settings, page 5-2](#)—Describes how to view or edit the properties of an AVM.

Configuring AVMs for High Availability

Every AVM in the Cisco ANA fabric is by default managed by the watchdog protocol. Manage enables the administrator to define AVMs for units and enable or disable the watchdog protocol on the AVM. For more information about the watchdog protocol see [Watchdog Protocol, page 2-2](#).



Note

It is highly recommended that the user does not disable this option.

In order to define an AVM:

- The unit must be installed.
- The unit must be connected to the transport network.
- The default AVMs, namely, AVM 0 (the switch AVM), AVM 99 (the management AVM) and AVM 100 (the trap management AVM) must be running.
- The new AVM must have a unique id within the unit.

To define an AVM:

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- Step 1** Select the Cisco ANA Servers branch in the Cisco ANA Manage window's tree pane. The Cisco ANA Servers branch is displayed.
- Step 2** Expand the Cisco ANA Servers branch and select the required Cisco ANA Servers Entity sub-branch.
- Step 3** Right-click on the required unit to display the shortcut menu and select **New AVM**,
or
On the toolbar click **New AVM**,
or
From the File menu select **New AVM**.

The New AVM dialog box is displayed.



Note For a detailed description on defining AVMs see the Cisco Active Network Abstraction Administrator Guide.

The **Enable AVM Protection** checkbox is displayed in the New AVM dialog box, Select this option to enable the watchdog protocol on the AVM.



Note It is highly recommended that the user does not disable this option.

Step 4 Define the properties of the AVM.

Step 5 Click **OK**. The new AVM with the watchdog protocol enabled is added to the selected unit and is displayed in the workspace.

Adding the new AVM creates the registry information of the new AVM in the specified unit and the AVM can now host VNEs.

Viewing and Editing the Watchdog Protocol Settings

The administrator can view the properties of an AVM, for example, its status and location. In addition, the administrator can edit some of the properties of the AVM, including enabling or disabling the watchdog protocol.

To view and edit an AVM's settings:

Step 1 Select the Cisco ANA Servers branch in the Cisco ANA Manage window's tree pane. The Cisco ANA Servers branch is displayed.

Step 2 Expand the Cisco ANA Servers branch and select the required AVMs sub-branch in the tree pane.

Step 3 Right-click to display the shortcut menu and select **Properties**,

or

On the toolbar click **Properties**,

or

From the File menu select **Properties**.

The AVM Properties dialog box is displayed.



Note For a detailed description on defining and editing AVMs see the Cisco Active Network Abstraction Administrator Guide.

Step 4 Edit the details of the AVM, as required.



Note It is highly recommended that the user does not disable this option.

Step 5 Click **OK**. The AVM's new properties are displayed in the workspace.
