Chapter 27

Configuring Internal, External, and Synchronization Plug-Ins with the C-Web Interface

This chapter describes how to use the C-Web interface to configure internal, external, and state synchronization plug-ins.

You can also use the following to configure plug-ins:

■ To use the SRC CLI, see *SRC-PE Subscribers and Subscriptions Guide, Chapter 9, Configuring Internal, External, and Synchronization Plug-Ins with the SRC CLI*.

■ To use the Solaris platform, see *SRC-PE Subscribers and Subscriptions Guide, Chapter 10, Overview of Configuring Plug-Ins for Solaris Platforms*.

Topics in this chapter include:

■ Creating Plug-In Instances with the C-Web Interface on page 293

■ Configuring Internal Plug-Ins with the C-Web Interface on page 294

■ Configuring the SAE for External Plug-Ins with the C-Web Interface on page 295

■ Configuring the State Synchronization Plug-In Interface with the C-Web Interface on page 296

Creating Plug-In Instances with the C-Web Interface

You can use the C-Web interface to create a plug-in instance and choose the type of plug-in that you want to create. You can create plug-ins for all SAE configurations or for groups.

☞ **NOTE:** When you create a plug-in instance and specify a plug-in type, all the other available types are removed from the side pane when you commit the configuration. To change the type, create a new plug-in.

Creating a Plug-In Instance for All SAE Configurations

To create a plug-in instance for all SAE configurations:

1. Click **Configure**, expand **Shared > SAE > Configuration**, and then click **Plug Ins**.

2. From the Create new list, select **Name**.

3. Type a name for the new plug-in in the dialog box, and click **OK**.

    The plug-in appears in the side pane and in the Plug In pane.

4. From the side pane, expand the plug-in, and select the type of plug-in that you want to configure.

Creating a Plug-In Instance for an SAE Group

To create a plug-in instance for an SAE group:

1. Click **Configure > Shared > SAE**, and then expand the SAE group for which you want to configure a plug-in.

2. From the side pane, expand **Configuration**, and click **Plug Ins**.

    The Plug Ins pane appears.

3. From the Create new list, select **Name**.

4. Type a name for the new plug-in in the dialog box, and click **OK**.

    The plug-in appears in the side pane and in the Plug In pane.

5. From the side pane, expand the plug-in, and select the type of plug-in that you want to configure.

Related Topics

■   For information about setting up SAE groups, see *Chapter 8, Setting Up an SAE with the C-Web Interface.*

Configuring Internal Plug-Ins with the C-Web Interface

To configure an internal plug-in:

1. Click **Configure**, expand **Shared > SAE**, and then expand the SAE group for which you want to configure a plug-in.

2. From the side pane, expand **Configuration**, and click **Plug Ins**.

    The Plug Ins pane appears.

3. From the Create new list, select **Name**.

4. Type a name for the new plug-in in the dialog box, and click **OK**.

    The plug-in appears in the side pane and in the Plug In pane.

5. In the side pane, expand the new plug-in, and then click **Internal**.

    The Internal pane appears.

6. Enter information as described in the Help text in the main pane, and click **Apply**.

7. To configure properties for the plug-in:

    a. In the side pane, expand the plug-in, and then click **Internal > Properties**.

    b. From the Create new list, select **Properties**.

    The new property appears in the side pane and in the Properties pane.

Related Topics

■ For information about setting up SAE groups, see *Chapter 8, Setting Up an SAE with the C-Web Interface*.

■ For information about creating a plug-in instance for a group, see *Creating Plug-In Instances with the C-Web Interface* on page 293.

Configuring the SAE for External Plug-Ins with the C-Web Interface

You need to configure SAE external plug-ins for SAE plug-in agents in the NIC, for Admission Control Plug-Ins, and for custom plug-ins developed in Common Object Request Broker Architecture (CORBA). For information about external plug-ins, see *SRC-PE Network Guide, Chapter 1, Overview of the SAE*.

When you use an external plug-in, you need to export its object reference to the SAE. When the SAE sends the first event to a registered plug-in, it resolves the object reference. In case of a failure, the SAE resolves the object reference again. In this case, if a plug-in restarts and instantiates a different object (that is, a different object reference), the SAE learns about the new object through the naming service or the file reference.

You can configure the SAE to resolve the object reference and specify which attributes to send to the external plug-in.

To configure an external plug-in:

1. Click **Configure**, expand **Shared > SAE**, and then expand the SAE group for which you want to configure a plug-in.

2. From the side pane, expand **Configuration**, and click **Plug Ins**.

   The Plug Ins pane appears.

3. From the Create new list, select **Name**.

4. Type a name for the new plug-in in the dialog box, and click **OK**.

   The plug-in appears in the side pane and in the Plug In pane.

5. From the side pane, expand the new plug-in, and then click **External**.

6. Click **Create**, enter information as described in the Help text in the main pane, and click **Apply**.

Related Topics

■ For information about setting up SAE groups, see *Chapter 8, Setting Up an SAE with the C-Web Interface.*

■ For information about creating a plug-in instance for a group, see *Creating Plug-In Instances with the C-Web Interface* on page 293.

Configuring the State Synchronization Plug-In Interface with the C-Web Interface

Some external plug-ins, such as the Admission Control Plug-In (ACP) application and the SAE plug-in agent for the NIC, support state synchronization with the SAE. The state synchronization plug-in interface allows external plug-ins to maintain the state of active subscriber, service, and interface sessions without having to store intermediate versions of the state locally.

To configure the state synchronization plug-in interface:

1. To configure the state synchronization plug-in interface:

   a. Click **Configure**, expand **Shared > SAE**, and then expand the SAE group for which you want to configure a plug-in.

   b. In the side pane, expand **Configuration > Plug Ins,** and then click **State Synchronization**.

      The State Synchronization pane appears.

   c. Enter information as described in the Help text in the main pane, and click **Apply**.

2. To configure the number of threads:

   a. Click **Configure**, expand **Shared > SAE**, and then expand the SAE group for which you want to configure a plug-in.

   b. In the side pane, expand **Configuration > Plug Ins,** and then click **Manager**.

   c. Enter information as described in the Help text in the main pane, and click **Apply**.

Related Topics

- For information about setting up SAE groups, see *Chapter 8, Setting Up an SAE with the C-Web Interface.*

- For information about creating a plug-in instance for a group, see *Creating Plug-In Instances with the C-Web Interface* on page 293.