

Chapter 14

Using the C-Web Interface to Configure SRC Applications to Communicate with an SAE

You can use the C-Web interface to configure SRC applications to communicate with network information collector (NIC) hosts. This chapter describes how to configure a NIC proxy from the C-Web interface that runs on a C-series Controller or on a Solaris platform running the SRC software. Topics include:

- Before You Configure a NIC Proxy on page 117
- Configuring a NIC Proxy from the C-Web Interface on page 118
- Configuring NIC Test Data with the C-Web Interface on page 119

Before You Configure a NIC Proxy

Before you configure a NIC proxy, you should have a good understanding of:

- NIC resolution
- NIC data types
- How NIC proxies work

See *SRC-PE Network Guide, Chapter 9, Locating Subscriber Information with the NIC*; *SRC-PE Network Guide, Chapter 17, NIC Resolution Process*; and *SRC-PE Network Guide, Chapter 13, Configuring Applications to Communicate with an SAE*.



NOTE: You cannot configure a local NIC host when the NIC is running on a C-series platform.

Configuring a NIC Proxy from the C-Web Interface

To have an application communicate with the NIC, you configure the type of resolution used by a NIC proxy.

To configure resolution information for a NIC proxy.

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

The Configuration pane appears.

2. From the Create new list, select **NIC Proxy Configuration**. Type a name for the new NIC proxy in the dialog box, and click **OK**.

The new NIC proxy configuration appears in the side pane.

3. Expand the NIC proxy configuration.

4. To configure resolution information, in the side pane click **Resolution**.

The Resolution pane appears.

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

6. To optimize resolution performance, in the side pane click **Cache**.

The Cache pane appears.

The cache options are available at the Advanced and Expert editing levels.

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

8. To keep the NIC highly available, configure NIC host selection, and define how the NIC proxy handles NIC hosts to which it cannot connect.

The NIC Host Selection options are available at the Advanced and Expert editing levels.

- a. In the side pane, click **NIC Host Selection**.

The NIC Host Selection pane appears.

- b. Click **Create**, enter information as described in the Help text, and then click **Apply**.

- c. Expand **NIC Host Selection**, and click **Blacklisting**.

The Blacklisting pane appears.

- d. Click **Create**, enter information as described in the Help text, and click **Apply**.

Related Topics

- *SRC-PE Network Guide, Chapter 9, Locating Subscriber Information with the NIC*
- *Configuring NIC Test Data with the C-Web Interface on page 119*

Configuring NIC Test Data with the C-Web Interface

To test a resolution without NIC, you can configure a NIC proxy stub to take the place of the NIC. The NIC proxy stub comprises a set of explicit mappings of data keys and values in the NIC proxy configuration. When the SAE (or another SRC component configured to use a NIC proxy stub) passes a specified key to the NIC proxy stub, the NIC proxy stub returns the corresponding value. When you use a NIC proxy stub, no NIC infrastructure is required.

For example, you can specify a subscriber's IP address that is associated with a particular SAE. When the SRC component passes this IP address to the NIC proxy stub, the NIC proxy stub returns the corresponding SAE.

To use the NIC proxy stub for the SAE:

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

The Configuration pane appears.

2. From the Create new list, select **NIC Proxy Configuration**. Type a name for the new NIC proxy in the dialog box, and click **OK**.

The new NIC proxy configuration appears in the side pane.

3. In the side pane, expand the new NIC proxy configuration, and click **Test NIC Bindings**.

The Test NIC Bindings pane appears.

4. Click **Create**, select the **Use Test Bindings** check box, and then click **Apply**.

5. In the side pane, expand **Test NIC Bindings**, and click **Key Values**.

6. From the Create new list, select Key Values. Type a name in the dialog box for the key that indicates the NIC data value for the proxy, and click **OK**.

The Key Values *name* pane appears in the side pane and in the Key Values pane.

7. Enter a value for the key that specifies a value for the NIC data type.

8. Click **Apply**.

Examples: Key Values for NIC Bindings

To set up a login name-to-IP mapping for login name `jane@virneo.com` to the IP address `192.0.2.30`:

1. In the side pane, expand the new NIC proxy configuration, and click **Test NIC Bindings**.

The Test NIC Bindings pane appears.

2. Click **Create**, select the **Use Test Bindings** check box, and then click **Apply**.
3. In the side pane, expand **Test NIC Bindings**, and click **Key Values**.
4. From the Create new list, select **Key Values**. Type the IP address **192.0.2.30** in the dialog box, and click **OK**.

The Key Values pane appears.

5. In the Value box, enter the value **jane@virneo.com**.
6. Click **Apply**.

To set up an IP-to-SAE ID mapping for IP address `190.0.2.30` to an SAE ID identified by the URL for the CORBA IOR `corbaloc::10.227.7.145:8801/SAE`:

1. In the side pane, expand the new NIC proxy configuration, and click **Test NIC Bindings**.

The Test NIC Bindings pane appears.

2. Click **Create**, select the **Use Test Bindings** check box, and click **Apply**.
3. In the side pane, expand **Test NIC Bindings**, and click **Key Values**.
4. From the Create new list, select **Key Values**. Type the IP address **192.0.2.30** in the dialog box, and click **OK**.



NOTE: The SAE writes the value of the CORBA IOR to the `var/run` directory. The IP address in the corbaloc URL can be adjusted to the IP address or DNS name of the SAE.

You can use the key **ANY-KEY** to match any key for any key type. For example, if you want all IP addresses to resolve to the same SAE, type **ANY-KEY** for the name in the Key Values box.

The Key Values pane appears.

5. In the Value box, enter the value **corbaloc::10.20.7.145:8801/SAE**.
6. Click **Apply**.

Related Topics

- *SRC-PE Network Guide, Chapter 9, Locating Subscriber Information with the NIC*
- *Configuring a NIC Proxy from the C-Web Interface on page 118*

