

## Chapter 23

# Configuring Services with the C-Web Interface

This chapter describes how to configure services with the C-Web interface.

You can also use the following to configure services:

- To use the SRC CLI, see *SRC-PE Services and Policies Guide, Chapter 1, Managing Services with the SRC CLI*.
- To configure the SRC software on a Solaris platform, see *SRC-PE Services and Policies Guide, Chapter 2, Managing Services on a Solaris Platform*.

Topics in this chapter include:

- Enabling the Service Configuration on the C-Web Interface on page 236
- Before You Configure Services on page 236
- Adding a Normal Service with the C-Web Interface on page 236
- Setting Parameter Values for Services with the C-Web Interface on page 237
- Configuring Service Fragments for an Aggregate Service with the C-Web Interface on page 237
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## Enabling the Service Configuration on the C-Web Interface

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Before you can configure services with the C-Web interface, you must enable the policy, service, and subscriber editor on the C-Web interface. To do so:

1. Click **Manage > Enable**.

The Enable pane appears.

2. From the Component list, select **editor**, and click **OK**.

## Before You Configure Services

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Before you configure services:

- Plan the services that you want to make available to subscribers.
- Configure the policies for a service to use. For information about configuring policies, see *Configuring and Managing Policies with the C-Web Interface* on page 203.

## Related Topics

- *SRC-PE Services and Policies Guide, Chapter 3, Managing Service Schedules*

## Adding a Normal Service with the C-Web Interface

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To add a normal service:

1. Click **Configure**, and expand **Services**.
2. You can add a normal service to the global service scope or to a service scope.
  - To add a normal service to the global service scope, click **Global**.
  - To add a normal service to the service scope, click the specified scope.
3. In the Create new list, select **Service**.
4. In the dialog box, type a name for the new Service. and click **OK**.

The Service: *<name>* pane appears.

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

## Setting Parameter Values for Services with the C-Web Interface

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Using parameters, you can define general settings in one SRC object and provide specific values for that setting in another object. For example, you can define the general settings for a rate limiter in a policy, insert a parameter for a rate in the policy, and provide specific values for the rate in each service that uses this policy. For information about the concept of parameters, see *SRC-PE Services and Policies Guide, Chapter 14, Defining and Acquiring Values for Parameters*.

To configure parameters for services:

1. Click **Configure**, and expand **Services**.
2. You can configure a parameter for services in the global service scope or in a service scope.
  - To configure a parameter for services in the global service scope, expand **Global**, and then expand the specified service.
  - To configure a parameter for services in the service scope, expand the specified scope and service.
3. Click **Parameter**.

The Parameter pane appears.

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

## Configuring Service Fragments for an Aggregate Service with the C-Web Interface

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To configure service fragments for an aggregate service:

1. Click **Configure**, and expand **Services**.
2. You can configure service fragments for an aggregate service in the global service scope or in a service scope.
  - To configure service fragments for an aggregate service in the global service scope, expand **Global**, and then expand the specified service.
  - To configure service fragments for an aggregate service in the service scope, expand the specified scope and service.

### Related Topics

- *SRC-PE Services and Policies Guide, Chapter 1, Managing Services with the SRC CLI, Aggregating Services*

## Configuring Timers for Aggregate Services with the C-Web Interface

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You can change the values for several timers to specify the intervals associated with monitoring and activating aggregate sessions.

To configure timers used by aggregate services:

1. Click **Configure**, and expand **Shared > SAE > Configuration**.
2. Click **Aggregate Services**.

The Aggregate Services pane appears.

3. Click the **Create** button.

The Aggregate Services pane reappears.

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

### Related Topics

- *SRC-PE Services and Policies Guide, Chapter 1, Managing Services with the SRC CLI, Aggregating Services*

## Adding an Infrastructure Service with the C-Web Interface

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To add an infrastructure service:

- Add the service to be shared, as described in *Adding a Normal Service with the C-Web Interface* on page 236.
  - a. When entering information in the Services pane, select **Infrastructure** from the Type list.
  - b. Type a name in the RADIUS Class box to configure the name of the service to be shared.

### Related Topics

- *SRC-PE Services and Policies Guide, Chapter 1, Managing Services with the SRC CLI, Sharing Service Provisioning*

## Configuring Script Services with the C-Web Interface

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Before you configure a script service, make sure that you know the location of the script file that the service will reference.

To configure a script service:

1. Add a service as described in *Adding a Normal Service with the C-Web Interface* on page 236.
2. When entering information in the Services pane, select **Script** from the Type list.

### Related Topics

- *SRC-PE Services and Policies Guide, Chapter 1, Managing Services with the SRC CLI, Extending Service Implementations with Script Services*

## Adding a Mutex Group with the C-Web Interface

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You can add a mutex group in the global service scope or in a service scope.

To add a mutex group:

1. Click **Configure**, and expand **Services**.
2. To add a mutex group in the global service scope:
  - a. Click **Global**.
  - b. From the Create new list, select **Mutex Group**.
  - a. Type a name for the new mutex group in the dialog box, and click **OK**.
3. To add a mutex group in the service scope:
  - a. Click the specified scope.
  - b. From the Create new list, select **Mutex Group**.
  - c. Type a name for the new mutex group in the dialog box, and click **OK**.
4. The Mutex Group: *<name>* pane appears.
5. Enter information as described in the Help text in the main pane, and click **Apply**.

### Related Topics

- *SRC-PE Services and Policies Guide, Chapter 1, Managing Services with the SRC CLI, Restricting Simultaneous Activation of Services*

## Configuring Service Scopes with the C-Web Interface

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The tasks to configure a service scope are:

1. Adding Service Scopes with the C-Web Interface on page 240
2. Assigning Services and Mutex Groups to Service Scopes with the C-Web Interface on page 240
3. Assigning Service Scopes to VRs or Subscribers with the C-Web Interface on page 241

### ***Adding Service Scopes with the C-Web Interface***

To add a service scope:

1. Click **Configure > Services**.

The Services pane appears.

2. From the Create new list, select **Scope**.
3. Enter a name for the new Scope, and click **OK**.

The Scope: *< name >* pane appears.

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

### ***Assigning Services and Mutex Groups to Service Scopes with the C-Web Interface***

To assign services and mutex groups to a scope:

1. Click **Configure**, and expand **Services**.
2. Click the specified scope.

The Scope: *< name >* pane appears.

3. From the Create new list, select **Mutex Group** or **Service**.
4. In the dialog box, type a name for the new mutex group or service, and click **OK**.

### Assigning Service Scopes to VRs or Subscribers with the C-Web Interface

You can assign multiple service scopes to a VR or subscriber, and you can assign a service scope to multiple VRs and subscribers.

To assign a service scope:

1. Click **Configure**, and expand **Shared**.
2. Expand **Network** and the specified device.
3. Click the specified virtual router.

The Virtual Router: *<name>* pane appears.

4. In the **Scope** box, select a virtual router as described in the Help text in the main pane, and click **Apply**.

### Related Topics

- *SRC-PE Services and Policies Guide, Chapter 1, Managing Services with the SRC CLI, Restricting and Customizing Services for Subscribers*

### Example: Configuring a Limited Set of Services for Organizations with the C-Web Interface

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You can use service scopes to create a limited set of services to be made available to specified organizations. For enterprise users, you can define a set of services available on the JUNOS routing platform.

To deliver a small set of services to specified enterprises:

1. Create a scope for the services to be made available. For example, see the EntJunos scope in the sample data. For information about loading the sample data, see the *SRC-PE Getting Started Guide*.

To display the sample data:

- a. Click **Configure**, and expand **Services**.
- b. Click **EntJUNOS**.

The EntJUNOS pane appears.

2. Add services to the scope, such as those in the sample data in the EntJunos scope.
  - a. Expand **EntJunos** to view the list of services in the sample data.
  - b. To add services to the scope:
    - From the Create new list, select **Service**.
    - In the dialog box, type a name for the new service, and click **OK**.

The Service pane appears.

    - Enter information as described in the Help text in the main pane, and click **Apply**.
3. Assign the scope to one or more enterprise subscribers. For example, assign the EntJunos scope to the Acme enterprise.

To assign the EntJunos scope to the Acme enterprise:

- a. Click **Configure > Subscribers**.
- The Subscribers pane appears.
- b. From the Create new list, select **Retailer**.
  - c. In the dialog box, type **ENT**, and click **OK**.
  - d. In the side pane, click **Ent**.
- The Subscribers pane appears.
- e. From the Create new list, select **Subscriber Folder**.
  - f. In the dialog box, type **entAcme**, and click **OK**.
  - g. In the side pane, click **entAcme**.
- The Subscriber pane appears.
- h. From the Create new list, select **Enterprise**.
  - i. In the dialog box, type **Acme**, and click **OK**.
  - j. From the Scope box in the main pane, select **EntJunos**, and click **Apply**.

If you use a portal to manage enterprises, you see only the services for the specified scope from the portal. Other services are not visible to the IT managers who manage services and subscriptions from the enterprise service portal. To see the services available to Acme from Enterprise Manager Portal, see *SRC-PE Subscribers and Subscriptions Guide, Chapter 24, Managing Services with Enterprise Manager Portal*.



## Example: Customizing Generic Services to Particular Regions with the C-Web Interface

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You can use service scopes to customize a generic audio service called Audio-Bronze on a regional basis. This example assumes that the network is configured so that VR boston serves the Boston subnet and VR chicago serves the Chicago subnet.

When the network starts operating, the SAE substitutes the parameters you specified in the service scope definition for the corresponding fields in the service subordinate to that scope.

To customize the new service Audio-Bronze for the Boston and Chicago subnets:

1. Add the Audio-Bronze service within a service scope called boston, and configure the IP address and mask used by VR boston in the parameter configuration.

This IP address and mask determine an access point to the service provider's equipment.

- a. Click **Configure**, and expand **Services**.
- b. Click **POP-Boston**.
- c. From the Create new list, select **Service**.
- d. In the dialog box, enter **Audio-Bronze**, and click **OK**.
- e. In the side pane, expand **Audio-Bronze**, and click **Parameter**.

The Parameter pane appears.

- f. Click the **Create** button.
- g. In the Service IP Address box, type **10.10.40.33**.
- h. In the Service IP Mask box, type **255.255.255.255**, and click **Apply**.
2. Add another Audio-Bronze service within a service scope called chicago, and specify the IP address and mask used by VR chicago.

To do this:

- a. Click **Services**.

The Services pane appears.

- b. From the Create new list, select **Scope**.
- c. In the dialog box, enter **chicago**.
- d. In the side pane, click **chicago**.
- e. From the Create new list, select **Service**.

- f. In the dialog box, enter **Audio-Bronze**, and click **OK**.
  - g. In the side pane, expand **Audio-Bronze**, and click **Parameter**.  
The Parameter pane appears.
  - h. Click the **Create** button.
  - i. In the Service IP Address box, type **10.10.55.1**.
  - j. In the Service IP Mask box, type **255.255.255.255**, and click **Apply**.
3. Assign service scope boston to virtual router boston.  
To do this:
  - a. In the side pane, expand **Shared**, and click **Network**.  
The Network pane appears.
  - b. From the Create new list, select **Device**.
  - c. In the dialog box, type **BostonRouter**, and click **OK**.
  - d. In the side pane, click **BostonRouter**.  
The Device: BostonRouter pane appears.
  - e. From the Create new list, select **Virtual Router**.
  - f. In the dialog box, type **multimedia**, and click **OK**.
  - g. In the side pane, click **multimedia**.  
The Virtual Router: multimedia pane appears.
  - h. In the Scope box, type **multimedia**.
4. Assign service scope chicago to virtual router chicago.
  - a. Expand **Shared**, and click **Network**.  
The Network pane appears.
  - b. From the Create new list, select **Device**.
  - c. In the dialog box, type **ChicagoRouter**, and click **OK**.
  - d. In the side pane, click **ChicagoRouter**.  
The Device:ChicagoRouter pane appears.

- e. From the Create new list, select **Virtual Router**.
- f. In the dialog box, enter **chicago**, and click **OK**.
- g. In the side pane, click **chicago**.

The Virtual Router: chicago pane appears.

- h. In the Scope box, select **chicago**, and click **Apply**.

