Chapter 12

# Configuring Subscribers and Subscriptions with the SRC CLI

This chapter describes how to use the SRC CLI to configure subscribers and managers and to configure subscriptions to services. You can use the SRC CLI on the C-series Controller and on Solaris platforms. You can also use the C-Web interface on the C-series Controller to configure subscribers and subscriptions.

Use the following to configure subscribers and subscriptions:

■ To use SDX Admin on a Solaris platform, see *Chapter 13, Configuring Subscribers and Subscriptions with SDX Admin*.

■ To use the C-Web interface on the C-series Controller, see *SRC-PE C-Web Interface Configuration Guide, Chapter 29, Configuring Subscribers and Subscriptions with the C-Web Interface*.

Topics in this chapter include:

## Overview of Configuring Subscribers and Subscriptions

This section gives an overview of configuring subscribers and subscriptions for the SRC software.

### Specifying the Activation Order for Subscriptions

You can specify the order in which the SAE activates subscriptions that are set up to activate on login for a particular subscriber. To specify the order, you define a precedence for the activation of each subscription. The SAE activates services in ascending order of precedence; if multiple services have the same precedence, the SAE activates them in an unspecified order.

You can configure the activation order by setting the **activation-order** option when you configure a subscription to a service with the SRC CLI. The enterprise manager portal automatically sets the activation order of some subscriptions to ensure they are activated before other subscriptions that depend on them.

### Inheritance of Properties and Subscriptions

Subordinate subscribers inherit properties and SAE subscriptions from their parent subscribers, unless you specify a different value for the subordinate. Properties that a subscriber can inherit include the maximum number of concurrent logins and the session timeout. For example, if you configure a subscription to a video service for an enterprise and configure a different subscription to the same video service for a site within that enterprise, the site uses its own subscription rather than the inherited subscription.

## Enabling the Subscriber and Subscription Configuration on the SRC CLI

Before you can configure subscribers and subscriptions with the SRC CLI, you must enable the policy, service, and subscriber editor on the SRC CLI. To do so:

■  In operational mode, enter the following command:

user@host> **enable component editor**

If you are using multiple C-series Controllers, we recommend that you enable the policy, service, and subscriber editor on only one C-series Controller on your network. If you enable the editor on multiple platforms, there is a risk that configuration changes will conflict. In this case, the second edit that is committed to the platform is lost.

## Adding Subscribers with the SRC CLI

This section describes how to add and configure subscribers with the SRC CLI.

The tasks to configure subscribers are:

- Adding Retailers with the SRC CLI on page 179

- Adding Subscriber Folders with the SRC CLI on page 182

  The subscriber hierarchy requires that the objects immediately subordinate to retailers be subscriber folders. You can, however, use subscriber folders subordinate to other subscriber objects to organize groups of subscribers.

- Adding Residential Subscribers with the SRC CLI on page 183

- Adding Enterprises with the SRC CLI on page 187

- Adding Sites with the SRC CLI on page 189

- Adding Devices as Subscribers with the SRC CLI on page 190

After you add subscribers, you can add managers and configure subscriptions. See *Adding Managers with the SRC CLI* on page 192 and *Configuring Subscriptions with the SRC CLI* on page 194.

## Adding Retailers with the SRC CLI

If you customize the SRC software for only one Internet service provider (ISP), use the retailer called *default* that is provided in the sample data. If the SRC software will manage multiple ISPs, add a retailer for each ISP.

Use the following configuration statements to add a retailer:

```
subscribers retailer name {
    domain-name [domain-name...];
    authentication-plug-in [authentication-plug-in...];
    dhcp-authentication-plug-in [dhcp-authentication-plug-in...];
    tracking-plug-in [tracking-plug-in...];
    maximum-login maximum-login;
    session-timeout session-timeout;
    scope [scope...];
    substitution [substitution...];
}
```

To add a retailer:

1.  From configuration mode, enter the retailer configuration. In this procedure, retailer-one is the name of the retailer.

    user@host# **edit subscribers retailer retailer-one**

2.  Configure the domain name(s) associated with the retailer.

    [edit subscribers retailer retailer-one]
    user@host# **set domain-name** [*domain-name...*]

3.  (Optional) Configure the plug-in(s) used to authenticate subscribers who log in to the domains specified for this retailer.

    [edit subscribers retailer retailer-one]
    user@host# **set authentication-plug-in** [*authentication-plug-in...*]

4.  (Optional) Configure the DHCP authorization plug-in(s) used to authenticate DHCP discover requests for subscribers who log in to the domains specified for this retailer.

    [edit subscribers retailer retailer-one]
    user@host# **set dhcp-authentication-plug-in** [*dhcp-authentication-plug-in...*]

5.  (Optional) Configure the plug-in(s) used for accounting or tracking subscriber sessions.

    [edit subscribers retailer retailer-one]
    user@host# **set tracking-plug-in** [*tracking-plug-in...*]

6.  (Optional) Configure the maximum number of concurrent logins for subscribers associated with this retailer.

    [edit subscribers retailer retailer-one]
    user@host# **set maximum-login** *maximum-login*

7.  (Optional) Configure the timeout for subscriber sessions.

    [edit subscribers retailer retailer-one]
    user@host# **set session-timeout** *session-timeout*

8.  (Optional) Assign service scopes to the retailer.

    [edit subscribers retailer retailer-one]
    user@host# **set scope** [*scope...*]

9.  (Optional) Configure the actual values for parameters associated with this retailer.

    [edit subscribers retailer retailer-one]
    user@host# **set substitution** [*substitution...*]

10. (Optional) Verify your configuration.

```
[edit subscribers retailer retailer-one]
user@host# show
domain-name abc.com;
authentication-plug-in flexRadiusAuth;
tracking-plug-in fileAcct;
maximum-login 8;
session-timeout 6000;
```

### Configuring Administrative Information for Retailers with the SRC CLI

Use the following configuration statements to configure administrative information about the retailer:

subscribers retailer *name* info {
    contact *contact*;
    e-mail *e-mail*;
    url *url*;
}

To add administrative information about retailers:

1. From configuration mode, enter the retailer subscriber info configuration. In this procedure, retailer-one is the name of the retailer.

   user@host# **edit subscribers retailer retailer-one info**

2. (Optional) Configure a contact name for the retailer.

   [edit subscribers retailer retailer-one info]
   user@host# **set contact** *contact*

3. (Optional) Configure an e-mail address for the retailer.

   [edit subscribers retailer retailer-one info]
   user@host# **set e-mail** *e-mail*

4. (Optional) Configure a URL for the retailer.

   [edit subscribers retailer retailer-one info]
   user@host# **set url** *url*

5. (Optional) Verify your configuration.

```
[edit subscribers retailer retailer-one info]
user@host# show
contact "Mary Smith";
e-mail msmith@abc.com;
url www.abc.com;
```

## Adding Subscriber Folders with the SRC CLI

You can create subscriber folders for retailers, existing subscriber folders, enterprises, and sites. You must create a subscriber folder in a retailer object before you can add other types of subscribers.

Use the following configuration statements to configure subscriber folders:

```
subscribers retailer name subscriber-folder folder-name {
    maximum-login maximum-login;
    session-timeout session-timeout;
    scope [scope...];
    substitution [substitution...];
}
```

To create a subscriber folder:

1. From configuration mode, enter the subscriber folder configuration. In this procedure, retailer-one is the name of the retailer and local is the name of the subscriber folder.

   user@host# **edit subscribers retailer retailer-one subscriber-folder local**

2. (Optional) Configure the maximum number of concurrent logins for subscribers associated with this folder.

   [edit subscribers retailer retailer-one subscriber-folder local]
   user@host# **set maximum-login** *maximum-login*

3. (Optional) Configure the timeout for subscriber sessions associated with this folder.

   [edit subscribers retailer retailer-one subscriber-folder local]
   user@host# **set session-timeout** *session-timeout*

4. (Optional) Assign service scopes to the folder.

   [edit subscribers retailer retailer-one subscriber-folder local]
   user@host# **set scope** [*scope...*]

5. (Optional) Configure the actual values for parameters associated with this folder.

   [edit subscribers retailer retailer-one subscriber-folder local]
   user@host# **set substitution** [*substitution...*]

6. (Optional) Verify your configuration.

   ```
   [edit subscribers retailer retailer-one subscriber-folder local]
   user@host# show
   session-timeout 9000;
   scope POP-Boston;
   ```

## Adding Residential Subscribers with the SRC CLI

Use the following configuration statements to configure residential subscribers:

```
subscribers retailer name subscriber-folder folder-name subscriber name {
    common-name common-name;
    surname surname;
    given-name given-name;
    initials initials;
    anonymous;
    ip-address ip-address;
    interface-name interface-name;
    maximum-login-group maximum-login-group;
    display-name display-name;
    encrypted-password encrypted-password;
    plain-text-password;
    maximum-login maximum-login;
    session-timeout session-timeout;
    accounting-user-id accounting-user-id;
    substitution [substitution...];
}
```

To add a residential subscriber:

1. From configuration mode, enter the residential subscriber configuration. In this procedure, peter is the name of the subscriber record.

   user@host# **edit subscribers retailer default subscriber-folder local subscriber peter**

2. Configure the name that defines the subscriber in the directory.

   [edit subscribers retailer default subscriber-folder local subscriber peter]
   user@host# **set common-name** common-name

3. Configure the subscriber's last name.

   [edit subscribers retailer default subscriber-folder local subscriber peter]
   user@host# **set surname** surname

4. (Optional) Configure the subscriber's first name.

   [edit subscribers retailer default subscriber-folder local subscriber peter]
   user@host# **set given-name** given-name

5. (Optional) Configure the subscriber's middle initial(s)

   [edit subscribers retailer default subscriber-folder local subscriber peter]
   user@host# **set initials** initials

6. (Optional) Specify whether the subscriber profile created with this subscriber definition is a shared profile. Subscribers cannot modify shared profiles.

   [edit subscribers retailer default subscriber-folder local subscriber peter]
   user@host# **set anonymous**

7. (Optional) Configure the IP address for subscribers who have fixed IP addresses, and for whom the SRC does not learn addresses through its management of routers or through calls to its notification API.

   [edit subscribers retailer default subscriber-folder local subscriber peter]
   user@host# **set ip-address** *ip-address*

8. (Optional) Configure the type and specifier of the router interface and virtual router that manage this subscriber.

   [edit subscribers retailer default subscriber-folder local subscriber peter]
   user@host# **set interface-name** *interface-name*

9. (Optional) Configure the maximum number of concurrent logins for this subscriber and all subordinate objects.

   [edit subscribers retailer default subscriber-folder local subscriber peter]
   user@host# **set maximum-login-group** *maximum-login-group*

10. (Optional) Configure the subscriber's name as it appears in login screens.

    [edit subscribers retailer default subscriber-folder local subscriber peter]
    user@host# **set display-name** *display-name*

11. (Optional) Configure the login password and type of encryption.

    [edit subscribers retailer default subscriber-folder local subscriber peter]
    user@host# **set encrypted-password** *encrypted-password*

12. (Optional) Configure the plain text password.

    [edit subscribers retailer default subscriber-folder local subscriber peter]
    user@host# **set plain-text-password**

13. (Optional) Configure the maximum number of concurrent logins for subscribers associated with this subscriber definition.

    [edit subscribers retailer default subscriber-folder local subscriber peter]
    user@host# **set maximum-login** *maximum-login*

14. (Optional) Configure the timeout for subscriber sessions associated with this subscriber.

    [edit subscribers retailer default subscriber-folder local subscriber peter]
    user@host# **set session-timeout** *session-timeout*

15. (Optional) Configure the value that identifies the subscriber in accounting records; for a household subscriber, all subordinate subscribers generally use the same ID.

    [edit subscribers retailer default subscriber-folder local subscriber peter]
    user@host# **set accounting-user-id** *accounting-user-id*

16. (Optional) Assign service scopes to the subscriber.

    [edit subscribers retailer default subscriber-folder local subscriber peter]
    user@host# **set scope** [*scope...*]

17. (Optional) Configure the actual values for parameters associated with this
    subscriber.

    [edit subscribers retailer default subscriber-folder local subscriber peter]
    user@host# **set substitution** [*substitution...*]

18. (Optional) Verify your configuration.

    ```
    [edit subscribers retailer default subscriber-folder local subscriber peter]
    user@host# show
    common-name psmith;
    surname smith;
    initials A;
    anonymous;
    ip-address 10.10.62.3;
    interface-name fastethernet6/0.1@vrName@routerName;
    encrypted-password abcdefh;
    session-timeout 9000;
    ```

## Configuring Administrative Information for Residential Subscribers with the SRC CLI

Use the following configuration statements to configure administrative information
about the subscriber:

```
subscribers retailer name subscriber-folder folder-name subscriber name info {
    home-phone home-phone;
    additional-phone additional-phone;
    fax fax;
    e-mail e-mail;
    city city;
    street street;
    postal-code postal-code;
    language language;
    job job;
    description description;
}
```

To add administrative information about residential subscribers:

1. From configuration mode, enter the residential subscriber info configuration.
   In this procedure, peter is the name of the subscriber.

   user@host# **edit subscribers retailer default subscriber-folder local subscriber
   peter info**

2. (Optional) Configure a home phone number for the subscriber.

   [edit subscribers retailer default subscriber-folder local subscriber peter info]
   user@host# **set home-phone** *home-phone*

3. (Optional) Configure a second phone number for the subscriber.

   [edit subscribers retailer default subscriber-folder local subscriber peter info]
   user@host# **set additional-phone** *additional-phone*

4. (Optional) Configure a fax number for the subscriber.

   [edit subscribers retailer default subscriber-folder local subscriber peter info]
   user@host# **set fax** *fax*

5. (Optional) Configure an e-mail address for the subscriber.

   [edit subscribers retailer default subscriber-folder local subscriber peter info]
   user@host# **set e-mail** *e-mail*

6. (Optional) Configure the city for the subscriber.

   [edit subscribers retailer default subscriber-folder local subscriber peter info]
   user@host# **set city** *city*

7. (Optional) Configure the street address for the subscriber.

   [edit subscribers retailer default subscriber-folder local subscriber peter info]
   user@host# **set street** *street*

8. (Optional) Configure the postal code for the subscriber.

   [edit subscribers retailer default subscriber-folder local subscriber peter info]
   user@host# **set postal-code** *postal-code*

9. (Optional) Configure the language of the subscriber.

   [edit subscribers retailer default subscriber-folder local subscriber peter info]
   user@host# **set language** *language*

10. (Optional) Configure the job description of the subscriber.

    [edit subscribers retailer default subscriber-folder local subscriber peter info]
    user@host# **set job** *job*

11. (Optional) Configure a description for the subscriber.

    [edit subscribers retailer default subscriber-folder local subscriber peter info]
    user@host# **set description** *description*

## Adding Enterprises with the SRC CLI

Use the following configuration statements to add an enterprise subscriber:

subscribers retailer *name* subscriber-folder *folder-name* enterprise *name* {
    display-name *display-name*;
    accounting-user-id *accounting-user-id*;
    description *description*;
    scope [*scope...*];
    substitution [*substitution...*];
}

To add an enterprise subscriber:

1.  From configuration mode, enter the enterprise subscriber configuration. In this procedure, ABCInc is the name of the enterprise subscriber.

    user@host# **edit subscribers retailer default subscriber-folder local enterprise ABCInc**

2.  (Optional) Configure the name that is displayed in enterprise management portals, if different from the enterprise name.

    [edit subscribers retailer default subscriber-folder local enterprise ABCInc]
    user@host# **set display-name** *display-name*

3.  (Optional) Configure the name that identifies the enterprise in accounting records.

    [edit subscribers retailer default subscriber-folder local enterprise ABCInc]
    user@host# **set accounting-user-id** *accounting-user-id*

4.  (Optional) Enter a description of the enterprise.

    [edit subscribers retailer default subscriber-folder local enterprise ABCInc]
    user@host# **set description** *description*

5.  (Optional) Assign service scopes to the enterprise.

    [edit subscribers retailer default subscriber-folder local enterprise ABCInc]
    user@host# **set scope** [*scope...*]

6.  (Optional) Configure the actual values for parameters associated with this enterprise.

    [edit subscribers retailer default subscriber-folder local enterprise ABCInc]
    user@host# **set substitution** [*substitution...*]

7.  (Optional) Verify your configuration.

    ```
    [edit subscribers retailer default subscriber-folder local enterprise
    ABCInc]
    user@host# show
    display-name ABCInc;
    description "This enterprise is sample data for use with JUNOSe routers.
    The attached EntJunose scope contains enterprise services that are designed
    to work with JUNOSe.
    ```

```
                    scope [ EntJunose POP-Ottawa POP-Boca POP-Boston POP-Montreal ];
                    substitution [ "acct : network = 208.93.36.80 / 28" "eng : network =
                    208.93.36.64 / 28" ];
```

8. Configure an access subscription for the enterprise. (See *Configuring Accesses with the SRC CLI* on page 196.)

### Configuring Administrative Information for Enterprise Subscribers with the SRC CLI

Use the following configuration statements to configure administrative information about the enterprise subscriber:

subscribers retailer *name* subscriber-folder *folder-name* enterprise *name* info {
    phone *phone*;
    fax *fax*;
    po-box *po-box*;
    city *city*;
    street *street*;
    state *state*;
    postal-code *postal-code*;
}

To add administrative information about enterprise subscribers:

1. From configuration mode, enter the enterprise subscriber info configuration. For example:

   user@host# **edit subscribers retailer default subscriber-folder local enterprise ABCInc info**

2. (Optional) Configure a phone number for the subscriber.

   [edit subscribers retailer default subscriber-folder local enterprise ABCInc info]
   user@host# **set phone** *phone*

3. (Optional) Configure a fax number for the subscriber.

   [edit subscribers retailer default subscriber-folder local enterprise ABCInc info]
   user@host# **set fax** *fax*

4. (Optional) Configure a post office box for the subscriber.

   [edit subscribers retailer default subscriber-folder local enterprise ABCInc info]
   user@host# **set po-box** *po-box*

5. (Optional) Configure the city for the subscriber.

   [edit subscribers retailer default subscriber-folder local enterprise ABCInc info]
   user@host# **set city** *city*

6. (Optional) Configure the street address for the subscriber.

   [edit subscribers retailer default subscriber-folder local enterprise ABCInc info]
   user@host# **set street** *street*

7. (Optional) Configure a state for the subscriber.

   [edit subscribers retailer default subscriber-folder local enterprise ABCInc info]
   user@host# **set state** *state*

8. (Optional) Configure the postal code for the subscriber.

   [edit subscribers retailer default subscriber-folder local enterprise ABCInc info]
   user@host# **set postal-code** *postal-code*

## Adding Sites with the SRC CLI

Use the following configuration statements to add a site:

subscribers retailer *name* subscriber-folder *folder-name* enterprise *name* site *name* {
    network [*network...*];
    display-name *display-name*;
    accounting-user-id *accounting-user-id*;
    description *description*;
}

To add a site:

1. From configuration mode, enter the site configuration. In this procedure, ABCInc is the name of the enterprise, and Montreal is the name of the site.

   user@host# **edit subscribers retailer default subscriber-folder local enterprise ABCInc site Montreal**

2. (Optional) Record networks used at the site. If you build a custom enterprise manager application, you can access this information through the enterprise portal APIs.

   [edit subscribers retailer default subscriber-folder local enterprise ABCInc site Montreal]
   user@host# **set network** [*network...*]

3. (Optional) Configure the name that is displayed in enterprise management portals, if different from the site name.

   [edit subscribers retailer default subscriber-folder local enterprise ABCInc site Montreal]
   user@host# **set display-name** *display-name*

4. (Optional) Configure the name that identifies the site in accounting records.

   [edit subscribers retailer default subscriber-folder local enterprise ABCInc site Montreal]
   user@host# **set accounting-user-id** *accounting-user-id*

5.  (Optional) Enter a description of the site.

    [edit subscribers retailer default subscriber-folder local enterprise ABCInc site Montreal]
    user@host# **set description** *description*

6.  (Optional) Verify your configuration.

    ```
    [edit subscribers retailer default subscriber-folder local enterprise ABCInc
    site Montreal]
    user@host# show
    display-name "Montreal Office of ABC, Inc.";
    accounting-user-id abcInc;
    description "This enterprise is sample data for use with JUNOSe routers.";
    ```

7.  Configure an access for the site. (See *Configuring Accesses with the SRC CLI* on page 196.)

## Adding Devices as Subscribers with the SRC CLI

Configure a device subscriber for subscriber sessions that manage the forwarding interface on JUNOS routing platforms and the router pseudo-subscriber on JUNOSe routers.

You can add devices as subscribers to subscriber folders, enterprises, and sites. Use the following configuration statements to add a device as a subscriber:

subscribers retailer *name* subscriber-folder *folder-name* device *device-name* {
    display-name *display-name*;
    maximum-login *maximum-login*;
    accounting-user-id *accounting-user-id*;
    substitution [*substitution...*];
}

subscribers retailer *name* subscriber-folder *folder-name* enterprise *name* device *device-name* {
    display-name *display-name*;
    maximum-login *maximum-login*;
    accounting-user-id *accounting-user-id*;
    substitution [*substitution...*];
}

subscribers retailer *name* subscriber-folder *folder-name* enterprise *name* site *name* device *device-name* {
    display-name *display-name*;
    maximum-login *maximum-login*;
    accounting-user-id *accounting-user-id*;
    substitution [*substitution...*];
}

To add a device as a subscriber:

1. From configuration mode, enter the device subscriber configuration. In this procedure, default@TMJunosA is the name of the device.

   user@host# **edit subscribers retailer SP-TM subscriber-folder devices device default@TMJunosA**

2. (Optional) Configure the name of the device as you want it to appear in SRC applications, such as portals.

   [edit subscribers retailer SP-TM subscriber-folder devices device default@TMJunosA]
   user@host# **set display-name** *display-name*

3. (Optional) Configure the maximum number of concurrent logins for subscribers associated with this device.

   [edit subscribers retailer SP-TM subscriber-folder devices device default@TMJunosA]
   user@host# **set maximum-login** *maximum-login*

4. (Optional) Configure the name that identifies the device in accounting records.

   [edit subscribers retailer SP-TM subscriber-folder devices device default@TMJunosA]
   user@host# **set accounting-user-id** *accounting-user-id*

5. (Optional) Configure the actual values for parameters associated with this device.

   [edit subscribers retailer SP-TM subscriber-folder devices device default@TMJunosA]
   user@host# **set substitution** [*substitution...*]

6. (Optional) Verify your configuration.

   ```
   [edit subscribers retailer SP-TM subscriber-folder devices device
   default@TMJunosA]
   user@host# show
   display-name "Profile for JUNOS router";
   accounting-user-id JunosRouter
   ```

## Adding Managers with the SRC CLI

Use the following configuration statements to configure a manager:

```
subscribers retailer name manager name {
    role [(administrator | subscription | substitution | activation | vpn)...];
    encrypted-password encrypted-password;
    plain-text-password;
    description description;
}

subscribers retailer name subscriber-folder folder-name manager name {
    role [(administrator | subscription | substitution | activation | vpn)...];
    encrypted-password encrypted-password;
    plain-text-password;
    description description;
}

subscribers retailer name subscriber-folder folder-name enterprise name manager
name {
    role [(administrator | subscription | substitution | activation | vpn)...];
    encrypted-password encrypted-password;
    plain-text-password;
    description description;
}

subscribers retailer name subscriber-folder folder-name enterprise name site name
manager name {
    role [(administrator | subscription | substitution | activation | vpn)...];
    encrypted-password encrypted-password;
    plain-text-password;
    description description;
}

subscribers retailer name subscriber-folder folder-name enterprise name access name
manager name {
    role [(administrator | subscription | substitution | activation | vpn)...];
    encrypted-password encrypted-password;
    plain-text-password;
    description description;
}

subscribers retailer name subscriber-folder folder-name enterprise name site name
access name manager name {
    role [(administrator | subscription | substitution | activation | vpn)...];
    encrypted-password encrypted-password;
    plain-text-password;
    description description;
}

subscribers retailer name subscriber-folder folder-name device device-name manager
name {
    role [(administrator | subscription | substitution | activation | vpn)...];
    encrypted-password encrypted-password;
    plain-text-password;
    description description;
}
```

subscribers retailer *name* subscriber-folder *folder-name* enterprise *name* device
*device-name* manager *name* {
    role [(administrator | subscription | substitution | activation | vpn)...];
    encrypted-password *encrypted-password*;
    plain-text-password;
    description *description*;
}

subscribers retailer *name* subscriber-folder *folder-name* enterprise *name* site *name*
device *device-name* manager *name* {
    role [(administrator | subscription | substitution | activation | vpn)...];
    encrypted-password *encrypted-password*;
    plain-text-password;
    description *description*;
}

To add a manager:

1. From configuration mode, enter the manager configuration. In this procedure, we are creating a manager called abcmgr in the ABCInc enterprise.

   user@host# **edit subscribers retailer default subscriber-folder local enterprise ABCInc manager abcmgr**

2. (Optional) Configure the privilege level (role) for the manager.

   [edit subscribers retailer default subscriber-folder local enterprise ABCInc manager abcmgr]
   user@host# **set role** *[(administrator | subscription | substitution | activation | vpn)...]*

3. (Optional) Configure an encrypted password for the manager:

   [edit subscribers retailer default subscriber-folder local enterprise ABCInc manager abcmgr]
   user@host# **set encrypted-password** *encrypted-password*

4. (Optional) Configure a plain text password for the manager.

   [edit subscribers retailer default subscriber-folder local enterprise ABCInc manager abcmgr]
   user@host# **set plain-text-password** *plain-text-password*

5. (Optional) Enter a description for the manager.

   [edit subscribers retailer default subscriber-folder local enterprise ABCInc manager abcmgr]
   user@host# **set description** *description*

6. (Optional) Verify your configuration.

   ```
   [edit subscribers retailer default subscriber-folder local enterprise ABCInc
   manager abcmgr]
   user@host# show
   role administrator;
   encrypted-password secret;
   ```

## Configuring Subscriptions with the SRC CLI

After you add subscribers, you configure subscriptions for the subscribers. Residential or enterprise subscribers may also be able to configure subscriptions through the portal, and managers assigned to a subscriber object may be able to configure subscriptions for that object.

You must add a service to the directory before you can specify that service for subscribers. See *SRC-PE Services and Policies Guide, Chapter 1, Managing Services with the SRC CLI.*

After you configure a subscription to a service, the service is available to the subscriber through the portal. Depending on the configuration, the subscriber may need to activate the service. You can configure schedules to define when services are available to subscribers. See *SRC-PE Services and Policies Guide, Chapter 4, Scheduling Services with the SRC CLI.*

```
subscribers retailer name subscription subscription-name {
    status (active | suspended | hidden);
    activation (manual | automatically-on-login);
    activation-order activation-order;
    substitution [substitution...];
}

subscribers retailer name subscriber-folder folder-name subscription subscription-name
{
    status (active | suspended | hidden);
    activation (manual | automatically-on-login);
    activation-order activation-order;
    substitution [substitution...];
}

subscribers retailer name subscriber-folder folder-name subscriber name subscription
subscription-name {
    status (active | suspended | hidden);
    activation (manual | automatically-on-login);
    activation-order activation-order;
    substitution [substitution...];
}

subscribers retailer name subscriber-folder folder-name enterprise name subscription
subscription-name {
    status (active | suspended | hidden);
    activation (manual | automatically-on-login);
    activation-order activation-order;
    substitution [substitution...];
}

subscribers retailer name subscriber-folder folder-name enterprise name site name
subscription subscription-name {
    status (active | suspended | hidden);
    activation (manual | automatically-on-login);
    activation-order activation-order;
    substitution [substitution...];
}
```

```
subscribers retailer name subscriber-folder folder-name enterprise name access name
subscription subscription-name {
    status (active | suspended | hidden);
    activation (manual | automatically-on-login);
    activation-order activation-order;
    substitution [substitution...];
}

subscribers retailer name subscriber-folder folder-name device device-name
subscription subscription-name {
    status (active | suspended | hidden);
    activation (manual | automatically-on-login);
    activation-order activation-order;
    substitution [substitution...];
}

subscribers retailer name subscriber-folder folder-name enterprise name device
device-name subscription subscription-name {
    status (active | suspended | hidden);
    activation (manual | automatically-on-login);
    activation-order activation-order;
    substitution [substitution...];
}

subscribers retailer name subscriber-folder folder-name enterprise name site name
device device-name subscription subscription-name {
    status (active | suspended | hidden);
    activation (manual | automatically-on-login);
    activation-order activation-order;
    substitution [substitution...];
}
```

To configure a subscription to a service:

1.  From configuration mode, enter the subscription configuration. In this procedure, peter is the name of the subscriber and Video-Gold is the name of the subscription.

    user@host# **edit subscribers retailer default subscriber-folder local subscriber peter subscription Video-Gold**

2.  (Optional) Configure the status of the service subscription.

    [edit subscribers retailer default subscriber-folder local subscriber peter subscription Video-Gold]
    user@host# **set status** (active | suspended | hidden)

3.  (Optional) Specify how the service is activated.

    [edit subscribers retailer default subscriber-folder local subscriber peter subscription Video-Gold]
    user@host# **set activation** (manual | automatically-on-login)

4.  (Optional) Specify when the SAE should activate this subscription relative to the subscriber's other subscriptions that are configured to activate on login.

    [edit subscribers retailer default subscriber-folder local subscriber peter subscription Video-Gold]
    user@host# **set activation-order** *activation-order*

5.  (Optional) Configure the actual values for parameters associated with this subscription.

    [edit subscribers retailer default subscriber-folder local subscriber peter subscription Video-Gold]
    user@host# **set substitution** [*substitution...*]

6.  (Optional) Verify your configuration.

    ```
    [edit subscribers retailer default subscriber-folder local subscriber peter
    subscription Video-Gold]
    user@host# show
    status active;
    activation manual;
    ```

### *Allowing Multiple Subscriptions per Subscriber*

To allow a subscriber to have a number of subscriptions to a service at the same time, each subscription:

■   Must have its own parameter substitutions.

■   Can be activated or deactivated independently.

An object for each subscription is created in the directory. The name of the object has the following format:

<ServiceName>%<SubscriptionId>

■   < ServiceName > —Name of the service

■   < SubscriptionId > —Name of the subscription

Other than the naming convention, multiple subscriptions are identical to regular subscriptions.

## Configuring Accesses with the SRC CLI

You must configure an access for an enterprise or a site. An access determines the way that the enterprise or site accesses Internet services, and specifies a set of services that are available to the particular access.

Subscriber classification scripts can use access subscription properties to match the interface in the network with an access in the directory. Typically, the interface alias, interface description, interface name, unique ID, NAS port ID, and router name are used to match an interface to an access.

You can specify multiple accesses; for example, you might want to specify primary and secondary services for Internet access.

subscribers retailer *name* subscriber-folder *folder-name* enterprise *name* access *name*
{
    routing-protocol *routing-protocol*;
    interface-alias *interface-alias*;
    interface-description *interface-description*;
    interface-name *interface-name*;
    unique-id *unique-id*;
    port-id *port-id*;
    device-name *device-name*;
    display-name *display-name*;
    accounting-user-id *accounting-user-id*;
    substitution [*substitution...*];
}

subscribers retailer *name* subscriber-folder *folder-name* enterprise *name* site *name*
access *name* {
    routing-protocol *routing-protocol*;
    interface-alias *interface-alias*;
    interface-description *interface-description*;
    interface-name *interface-name*;
    unique-id *unique-id*;
    port-id *port-id*;
    device-name *device-name*;
    display-name *display-name*;
    accounting-user-id *accounting-user-id*;
    substitution [*substitution...*];
}

To configure a subscription to an access service:

1.  From configuration mode, enter the subscription configuration. In this procedure, Acme is the name of the enterprise and AcmeAccess is the name of the access.

    user@host# **edit subscribers retailer SP-TM subscriber-folder subscribers enterprise Acme access AcmeAccess**

2.  (Optional) Record routing protocols used at the enterprise or site. If you build a custom enterprise manager application, you can access this information through the enterprise portal APIs.

    [edit subscribers retailer SP-TM subscriber-folder subscribers enterprise Acme access AcmeAccess]
    user@host# **set routing-protocol** *routing-protocol*

3.  (Optional) Configure the description of a router interface.

    [edit subscribers retailer SP-TM subscriber-folder subscribers enterprise Acme access AcmeAccess]
    user@host# **set interface-alias** *interface-alias*

4. (Optional) Configure the alternate name of the interface that SNMP uses.

   [edit subscribers retailer SP-TM subscriber-folder subscribers enterprise Acme
   access AcmeAccess]
   user@host# **set interface-description** *interface-description*

5. (Optional) Configure the name of the interface using your router CLI syntax

   [edit subscribers retailer SP-TM subscriber-folder subscribers enterprise Acme
   access AcmeAccess]
   user@host# **set interface-name** *interface-name*

6. (Optional) Configure the router's unique ID, which is the index of the router in
   the SNMP table for all interfaces.

   [edit subscribers retailer SP-TM subscriber-folder subscribers enterprise Acme
   access AcmeAccess]
   user@host# **set unique-id** *unique-id*

7. (Optional) Configure the network access server (NAS) port ID reported by the
   JUNOSe router through the Common Open Policy Service (COPS).

   [edit subscribers retailer SP-TM subscriber-folder subscribers enterprise Acme
   access AcmeAccess]
   user@host# **set port-id** *port-id*

8. (Optional) Configure the name of the router to which this access connects.

   [edit subscribers retailer SP-TM subscriber-folder subscribers enterprise Acme
   access AcmeAccess]
   user@host# **set router-name** *router-name*

9. (Optional) Configure the name that is displayed in enterprise management
   portals, if different from the service name.

   [edit subscribers retailer SP-TM subscriber-folder subscribers enterprise Acme
   access AcmeAccess]
   user@host# **set display-name** *display-name*

10. (Optional) Configure the value that identifies the service in accounting records.

    [edit subscribers retailer SP-TM subscriber-folder subscribers enterprise Acme
    access AcmeAccess]
    user@host# **set accounting-user-id** *accounting-user-id*

11. (Optional) Configure the actual values for parameters associated with this
    subscription.

    [edit subscribers retailer SP-TM subscriber-folder subscribers enterprise Acme
    access AcmeAccess]
    user@host# **set substitution** [*substitution...*]

12. (Optional) Verify your configuration.

```
[edit subscribers retailer SP-TM subscriber-folder subscribers enterprise
Acme access AcmeAccess]
user@host# show
interface-alias cust123-456;
interface-name fastethernet6/0.1;
```