

Running Methods for PCMM Services (SRC CLI)

To run a method for the PCMM Web service interface:

- Run the `test dsa pcmm-service` command.

```
user@host> test dsa pcmm-service (commit-resources | release-resources |  
query-contexts | query-available-services)
```

where:

- **commit-resources**—Specifies the resources that are being requested in the CommitResource message.
 - **release-resources**—Specifies the resources that are being requested to be released in the ReleaseResources message.
 - **query-contexts**—Searches for the context ID and context status for a subscriber.
 - **query-available-services**—Searches for the services that are available to the calling application.
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Testing Resource Requests (SRC CLI)

Use the following command to test the method that specifies the resources that are being requested in the CommitResource message:

```
test dsa pcmm-service commit-resources <subscriber-address subscriber-address>  
<subscriber-uri subscriber-uri> service-name service-name <context-id context-id>  
<time-usage-limit time-usage-limit> <classifier classifier> <traffic-profile traffic-profile>  
<flow-spec flow-spec> <client-id client-id> <client-password client-password>
```

To test the method:

1. Issue the `test dsa pcmm-service commit-resources` command.
2. To specify the name of the SRC service, use the **service-name** option.
3. (Optional) To specify the IP address of the subscriber, use the **subscriber-address** option.
4. (Optional) To specify the subscriber's uniform resource identifier (URI), use the **subscriber-uri** option.
5. (Optional) To specify the globally unique identifier that the application manager must use if it is included in the message, use the **context-id** option. The context ID is used as the SRC session name when the PCMM gateway activates a service.
6. (Optional) To specify a limit on the lifetime of a context, use the **time-usage-limit** option. An application server may specify multiple time usage limits to request

different limits in the upstream and downstream directions. If the application server does not specify a time usage limit, the application manager determines the time usage limit.

7. (Optional) To specify the object that identifies the traffic flow for which the application server is requesting services, use the **classifier** option.
8. (Optional) To specify information about the bandwidth and QoS characteristics desired for a request, use the **traffic-profile** option. You express the traffic profile by configuring the SRC policies with FlowSpec, service class name, or DOCSIS actions.
9. (Optional) To specify a FlowSpec action, use the **flow-spec** option.
10. (Optional) To specify the username that Dynamic Service Activator uses to authenticate this client, use the **client-id** option.
11. (Optional) To specify the password that Dynamic Service Activator uses to authenticate this client, use the **client-password** option.

Testing Resource Release Requests (SRC CLI)

Use the following command to test the method that specifies the resources that are being requested to be released in the ReleaseResources message:

```
test dsa pcmm-service release-resources <subscriber-address subscriber-address>
<subscriber-uri subscriber-uri> <service-name service-name> <context-id context-id>
<client-id client-id> <client-password client-password>
```

To test the method:

1. Issue the **test dsa pcmm-service release-resources** command.
2. (Optional) To specify the IP address of the subscriber, use the **subscriber-address** option.
3. (Optional) To specify the subscriber's uniform resource identifier (URI), use the **subscriber-uri** option.
4. (Optional) To specify the name of the SRC service, use the **service-name** option.
5. (Optional) To specify the globally unique identifier that the application manager must use if it is included in the message, use the **context-id** option. The context ID is used as the SRC session name when the PCMM gateway activates a service.
6. (Optional) To specify the username that Dynamic Service Activator uses to authenticate this client, use the **client-id** option.
7. (Optional) To specify the password that Dynamic Service Activator uses to authenticate this client, use the **client-password** option.

Testing Queries for Subscriber Contexts (SRC CLI)

Use the following command to test the method that searches for the context ID and context status for a subscriber:

```
test dsa pcmm-service query-contexts <subscriber-address subscriber-address>
<subscriber-uri subscriber-uri> <service-name service-name> <context-id context-id>
<client-id client-id> <client-password client-password>
```

To test the method:

1. Issue the **test dsa pcmm-service query-contexts** command.
2. (Optional) To specify the IP address of the subscriber, use the **subscriber-address** option.
3. (Optional) To specify the subscriber's uniform resource identifier (URI), use the **subscriber-uri** option.
4. (Optional) To specify the name of the SRC service, use the **service-name** option.
5. (Optional) To specify the globally unique identifier that the application manager must use if it is included in the message, use the **context-id** option. The context ID is used as the SRC session name when the PCMM gateway activates a service.
6. (Optional) To specify the username that Dynamic Service Activator uses to authenticate this client, use the **client-id** option.
7. (Optional) To specify the password that Dynamic Service Activator uses to authenticate this client, use the **client-password** option.

Testing Queries for Available Services (SRC CLI)

Use the following command to test the method that searches for the services that are available to the calling application:

```
test dsa pcmm-service query-available-services <client-id client-id> <client-password
client-password>
```

To test the method:

1. Issue the **test dsa pcmm-service query-available-services** command.
2. (Optional) To specify the username that Dynamic Service Activator uses to authenticate this client, use the **client-id** option.
3. (Optional) To specify the password that Dynamic Service Activator uses to authenticate this client, use the **client-password** option.

Related Topics ■ Configuring the Test Environment for PCMM Services

