

SRC PCMM Web Service Interface Methods

This section describes the methods in the SRC PCMM Web service interface.

CommitResources

- Specifies the resources that are being requested in the CommitResource message.
- Argument—CommitResourcesReq
 - classifier—Object that identifies the traffic flow that the application server is requesting services for. The object contains:
 - protocol
 - sourceIpAddress
 - sourceIpMask
 - sourcePortStart
 - sourcePortEnd
 - destinationIpAddress
 - destinationIpMask
 - destinationPortStart
 - destinationPortEnd

For more information, see [Configuring Classify-Traffic Conditions for Dynamic Service Activator](#).

- trafficProfile—Provides information about the bandwidth and QoS characteristics desired for a request. You express the traffic profile through SRC policies. You can configure the policies one of the following ways:
 - FlowSpec action—See [Configuring FlowSpec Actions for Dynamic Service Activator](#).
 - Specifying a traffic class in the service class name action—See [Configuring Service Class Name Actions for Dynamic Service Activator](#).
 - Bandwidth parameter—See [Configuring DOCSIS Actions for Dynamic Service Activator](#).
- TimeUsageLimit—Specifies, in seconds, a limit on the lifetime of a context. An application server may specify multiple TimeUsageLimit elements to request different limits in the upstream and downstream directions. If the application server does not specify a TimeUsageLimit, the application manager determines the TimeUsageLimit.
- SubscriberID—IPv4 address or SubscriberURI
 - If a subscriber URI and an IPv4 address are provided, the IPv4 address is ignored.

- If the IPv4 address is supplied and the subscriber URI is not supplied, then a subscriber URI is constructed with the given IPv4 address as an assignedIp subscriber type (sidType is SIT_ADDR_IF_NAME).
- ServiceName—Name of SRC service
- contextID—Globally unique identifier that the application manager must use if it is included in the message

The context ID is used as the SRC sessionName when the PCMM gateway activates a service.

- Expected output—CommitResourcesRsp. The CommitResourcesRsp object contains the ContextID of the activated service.

ReleaseResources

- Specifies the resources that are being requested to be released in the ReleaseResources message.
- Argument—ReleaseResourcesReq
 - Subscriber URI—IP address of the subscriber
 - ServiceName—Name of SRC service
 - contextID—Globally unique identifier that the application manager must use if it is included in the message

The context ID is used as the SRC sessionName when the PCMM gateway activates a service.

- Expected output—ReleaseResourcesRsp

QueryAvailableServices

- Searches for the services that are available to the calling application.
- Expected output—QueryAvailableServicesRsp

QueryContexts

- Searches for the context ID and context status for a subscriber.
- Argument—QueryContextsReq
 - SubscriberID—IPv4 address or SubscriberURI
 - If a subscriber URI and an IPv4 address is provided, the IPv4 address is ignored.
 - If the IPv4 address is supplied and the subscriber URI is not supplied, then a subscriber URI is constructed with the given IPv4 address as an assignedIp subscriber type (sidType is SIT_ADDR_IF_NAME).
 - ServiceName—Name of SRC service

- contextID—Globally unique identifier that the application manager must use if it is included in the message

The context ID is used as the SRC sessionName when the PCMM gateway activates a service.

- Expected output—QueryContextsRsp

