

## SRC PCMM Web Service Interface Methods

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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

