



AsSessionWithQoS

- [OpenAPI, on page 1](#)
- [Info, on page 1](#)
- [Servers, on page 1](#)
- [Security, on page 1](#)
- [Paths, on page 2](#)
- [Components, on page 8](#)

OpenAPI

OpenAPI Version: 3.0.0

Info

Title: 3gpp-as-session-with-qos
Version: "1.0.0"

Servers

URL: '{apiRoot}/3gpp-as-session-with-qos/v1'

Variables:

API Root:

Default: https://example.com

Description: apiRoot as defined in subclause 5.2.4 of 3GPP TS 29.122.

Security

- {}
- oAuth2ClientCredentials: []

Paths

`{scsAsId}/subscriptions`

get:

Summary: read all of the active subscriptions for the SCS/AS

Tags:

- AsSessionWithQoS API SCS/AS level GET Operation

Parameters:

- **Name:** `scsAsId`
In: `path`
Description: Identifier of the SCS/AS
Required/Optional: `true`
Schema:
Type: `string`

Responses:

'200':
Description: OK.
Content:
Application/JSON:
Schema:
Type: `array`
Items:
Reference: `'#/components/schemas/AsSessionWithQoSSubscription'`

'400':
Reference: `'TS29122_CommonData.yaml#/components/responses/400'`

'401':
Reference: `'TS29122_CommonData.yaml#/components/responses/401'`

'403':
Reference: `'TS29122_CommonData.yaml#/components/responses/403'`

'404':
Reference: `'TS29122_CommonData.yaml#/components/responses/404'`

'406':
Reference: `'TS29122_CommonData.yaml#/components/responses/406'`

'429':
Reference: `'TS29122_CommonData.yaml#/components/responses/429'`

'500':
Reference: `'TS29122_CommonData.yaml#/components/responses/500'`

'503':
Reference: `'TS29122_CommonData.yaml#/components/responses/503'`

Default:
Reference: `'TS29122_CommonData.yaml#/components/responses/default'`

Method: `Post`

Summary: Creates a new subscription resource

Tags:

- AsSessionWithQoS API Subscription level POST Operation

Parameters:

- **Name:** scsAsId
In: path
Description: Identifier of the SCS/AS
Required/Optional: true
Schema:
Type: string

Request Body:

Description: Request to create a new subscription resource
Required/Optional: true
Content:
Application/JSON:

Schema:
Reference: '#/components/schemas/AsSessionWithQoSSubscription'

Callbacks:

notificationDestination:
'**{request.body#/notificationDestination}**':
Method: Post
Request Body: # contents of the callback message
Required/Optional: true
Content:
Application/JSON:
Schema:
Reference:

'TS29122_CommonData.yaml#/components/schemas/NotificationData'

Responses:

'204':
Description: No Content (successful notification)
'400':
Reference: 'TS29122_CommonData.yaml#/components/responses/400'
'401':
Reference: 'TS29122_CommonData.yaml#/components/responses/401'
'403':
Reference: 'TS29122_CommonData.yaml#/components/responses/403'
'404':
Reference: 'TS29122_CommonData.yaml#/components/responses/404'
'411':
Reference: 'TS29122_CommonData.yaml#/components/responses/411'
'413':
Reference: 'TS29122_CommonData.yaml#/components/responses/413'
'415':
Reference: 'TS29122_CommonData.yaml#/components/responses/415'
'429':
Reference: 'TS29122_CommonData.yaml#/components/responses/429'
'500':
Reference: 'TS29122_CommonData.yaml#/components/responses/500'
'503':
Reference: 'TS29122_CommonData.yaml#/components/responses/503'

Default:

{scsAsId}/subscriptions/{subscriptionId}

Reference: 'TS29122_CommonData.yaml#/components/responses/default'

Responses:

'201':
Description: Created (Successful creation of subscription)
Content:
Application/JSON:
Schema:
Reference: '#/components/schemas/AsSessionWithQoSSubscription'
Headers:
Location:
Description: 'Contains the URI of the newly created resource'
Required/Optional: true
Schema:
Type: string

'400':
Reference: 'TS29122_CommonData.yaml#/components/responses/400'

'401':
Reference: 'TS29122_CommonData.yaml#/components/responses/401'

'403':
Reference: 'TS29122_CommonData.yaml#/components/responses/403'

'404':
Reference: 'TS29122_CommonData.yaml#/components/responses/404'

'411':
Reference: 'TS29122_CommonData.yaml#/components/responses/411'

'413':
Reference: 'TS29122_CommonData.yaml#/components/responses/413'

'415':
Reference: 'TS29122_CommonData.yaml#/components/responses/415'

'429':
Reference: 'TS29122_CommonData.yaml#/components/responses/429'

'500':
Reference: 'TS29122_CommonData.yaml#/components/responses/500'

'503':
Reference: 'TS29122_CommonData.yaml#/components/responses/503'

Default:
Reference: 'TS29122_CommonData.yaml#/components/responses/default'

{scsAsId}/subscriptions/{subscriptionId}

get:

Summary: read an active subscriptions for the SCS/AS and the subscription Id

Tags:

- AsSessionWithQoS API Subscription level GET Operation

Parameters:

- **Name:** scsAsId
In: path
Description: Identifier of the SCS/AS
Required/Optional: true

```
    Schema:
      Type: string
- Name: subscriptionId
  In: path
  Description: Identifier of the subscription resource
  Required/Optional: true
  Schema:
    Type: string

Responses:
'200':
  Description: OK (Successful get the active subscription)
  Content:
    Application/JSON:
      Schema:
        Reference: '#/components/schemas/AsSessionWithQoSSubscription'
'400':
  Reference: 'TS29122_CommonData.yaml#/components/responses/400'
'401':
  Reference: 'TS29122_CommonData.yaml#/components/responses/401'
'403':
  Reference: 'TS29122_CommonData.yaml#/components/responses/403'
'404':
  Reference: 'TS29122_CommonData.yaml#/components/responses/404'
'406':
  Reference: 'TS29122_CommonData.yaml#/components/responses/406'
'429':
  Reference: 'TS29122_CommonData.yaml#/components/responses/429'
'500':
  Reference: 'TS29122_CommonData.yaml#/components/responses/500'
'503':
  Reference: 'TS29122_CommonData.yaml#/components/responses/503'
Default:
  Reference: 'TS29122_CommonData.yaml#/components/responses/default'
put:
  Summary: Updates/replaces an existing subscription resource

Tags:
- AsSessionWithQoS API subscription level PUT Operation

Parameters:
- Name: scsAsId
  In: path
  Description: Identifier of the SCS/AS
  Required/Optional: true
  Schema:
    Type: string
- Name: subscriptionId
  In: path
  Description: Identifier of the subscription resource
  Required/Optional: true
  Schema:
```

Type: string

Request Body:

Description: Parameters to update/replace the existing subscription

Required/Optional: true

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/AsSessionWithQoSSubscription'

Responses:

'200':

Description: OK (Successful update of the subscription)

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/AsSessionWithQoSSubscription'

'400':

Reference: 'TS29122_CommonData.yaml#/components/responses/400'

'401':

Reference: 'TS29122_CommonData.yaml#/components/responses/401'

'403':

Reference: 'TS29122_CommonData.yaml#/components/responses/403'

'404':

Reference: 'TS29122_CommonData.yaml#/components/responses/404'

'411':

Reference: 'TS29122_CommonData.yaml#/components/responses/411'

'413':

Reference: 'TS29122_CommonData.yaml#/components/responses/413'

'415':

Reference: 'TS29122_CommonData.yaml#/components/responses/415'

'429':

Reference: 'TS29122_CommonData.yaml#/components/responses/429'

'500':

Reference: 'TS29122_CommonData.yaml#/components/responses/500'

'503':

Reference: 'TS29122_CommonData.yaml#/components/responses/503'

Default:

Reference: 'TS29122_CommonData.yaml#/components/responses/default'

patch:

Summary: Updates/replaces an existing subscription resource

Tags:

- AsSessionWithQoS API subscription level PATCH Operation

Parameters:

- **Name:** scsAsId

In: path

Description: Identifier of the SCS/AS

Required/Optional: true

Schema:

Type: string

- **Name:** subscriptionId

In: path
Description: Identifier of the subscription resource
Required/Optional: true
Schema:
 Type: string

Request Body:
Required/Optional: true
Content:
 application/merge-patch+json:
 Schema:
 Reference: '#/components/schemas/AsSessionWithQoSSubscriptionPatch'

Responses:

'200':
 Description: OK. The subscription was modified successfully.
 Content:
 Application/JSON:
 Schema:
 Reference: '#/components/schemas/AsSessionWithQoSSubscription'

'400':
 Reference: 'TS29122_CommonData.yaml#/components/responses/400'

'401':
 Reference: 'TS29122_CommonData.yaml#/components/responses/401'

'403':
 Reference: 'TS29122_CommonData.yaml#/components/responses/403'

'404':
 Reference: 'TS29122_CommonData.yaml#/components/responses/404'

'411':
 Reference: 'TS29122_CommonData.yaml#/components/responses/411'

'413':
 Reference: 'TS29122_CommonData.yaml#/components/responses/413'

'415':
 Reference: 'TS29122_CommonData.yaml#/components/responses/415'

'429':
 Reference: 'TS29122_CommonData.yaml#/components/responses/429'

'500':
 Reference: 'TS29122_CommonData.yaml#/components/responses/500'

'503':
 Reference: 'TS29122_CommonData.yaml#/components/responses/503'

Default:
 Reference: 'TS29122_CommonData.yaml#/components/responses/default'

delete:
 Summary: Deletes an already existing subscription

Tags:
 - AsSessionWithQoS API Subscription level DELETE Operation

Parameters:
 - **Name:** scsAsId
 In: path
 Description: Identifier of the SCS/AS
 Required/Optional: true

```

    Schema:
      Type: string
  - Name: subscriptionId
    In: path
    Description: Identifier of the subscription resource
    Required/Optional: true
    Schema:
      Type: string

Responses:
  '204':
    Description: No Content (Successful deletion of the existing subscription)
  '400':
    Reference: 'TS29122_CommonData.yaml#/components/responses/400'
  '401':
    Reference: 'TS29122_CommonData.yaml#/components/responses/401'
  '403':
    Reference: 'TS29122_CommonData.yaml#/components/responses/403'
  '404':
    Reference: 'TS29122_CommonData.yaml#/components/responses/404'
  '429':
    Reference: 'TS29122_CommonData.yaml#/components/responses/429'
  '500':
    Reference: 'TS29122_CommonData.yaml#/components/responses/500'
  '503':
    Reference: 'TS29122_CommonData.yaml#/components/responses/503'
Default:
  Reference: 'TS29122_CommonData.yaml#/components/responses/default'

```

Components

```

securitySchemes:
  oAuth2ClientCredentials:
    Type: oauth2
    Flows:
      clientCredentials:
        tokenUrl: '{tokenUrl}'
        scopes: {}

schemas:
  AsSessionWithQoSSubscription:
    Type: object
    Properties:
      self:
        Reference: 'TS29122_CommonData.yaml#/components/schemas/Link'
      supportedFeatures:
        Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'
      notificationDestination:
        Reference: 'TS29122_CommonData.yaml#/components/schemas/Link'

```



```

flowInfo:
  Type: array
  Items:
    Reference: 'TS29122_CommonData.yaml#/components/schemas/FlowInfo'
  minItems: 1
  Description: Describe the data flow which requires QoS.
ethFlowInfo:
  Type: array
  Items:
    Reference:
'TS29514_Npcf_PolicyAuthorization.yaml#/components/schemas/EthFlowDescription'
  minItems: 1
  Description: Identifies Ethernet packet flows.
qosReference:
  Type: string
  Description: Identifies a pre-defined QoS information
ueIpv4Addr:
  Reference: 'TS29122_CommonData.yaml#/components/schemas/Ipv4Addr'
ueIpv6Addr:
  Reference: 'TS29122_CommonData.yaml#/components/schemas/Ipv6Addr'
macAddr:
  Reference: 'TS29571_CommonData.yaml#/components/schemas/macAddr48'
usageThreshold:
  Reference: 'TS29122_CommonData.yaml#/components/schemas/UsageThreshold'
sponsorInfo:
  Reference: 'TS29122_CommonData.yaml#/components/schemas/SponsorInformation'
requestTestNotification:
  Type: boolean
  Description: Set to true by the SCS/AS to request the SCEF to send a test
notification as defined in subclause 5.2.5.3. Set to false or omitted otherwise.
websocketNotifConfig:
  Reference: 'TS29122_CommonData.yaml#/components/schemas/WebsocketNotifConfig'
Required:
  - notificationDestination
AsSessionWithQoSSubscriptionPatch:
Type: object
Properties:
  flowInfo:
    Type: array
    Items:
      Reference: 'TS29122_CommonData.yaml#/components/schemas/FlowInfo'
    minItems: 1
    Description: Describe the data flow which requires QoS.
  ethFlowInfo:
    Type: array
    Items:
      Reference:
'TS29514_Npcf_PolicyAuthorization.yaml#/components/schemas/EthFlowDescription'
    minItems: 1
    Description: Identifies Ethernet packet flows.
  qosReference:
    Type: string

```

Description: Pre-defined QoS reference
usageThreshold:
Reference: 'TS29122_CommonData.yaml#/components/schemas/UsageThresholdRm'