



DeviceTriggering

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OpenAPI

OpenAPI Version: 3.0.0

Info

Title: 3gpp-device-triggering
Version: "1.0.0"

Servers

URL: '{apiRoot}/3gpp-device-triggering/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}/transactions`

get:

Summary: read all active device triggering transactions for a given SCS/AS.

Tags:

- Device Triggering API SCS/AS level GET Operation

Parameters:

- **Name:** scsAsId

In: path

Description: Identifier of the SCS/AS

Required/Optional: true

Schema:

Reference: 'TS29122_CommonData.yaml#/components/schemas/ScsAsId'

Responses:

'200':

Description: OK (Successful get all of the active device triggering transactions for the SCS/AS)

Content:

Application/JSON:

Schema:

Type: array

Items:

Reference: '#/components/schemas/DeviceTriggering'

'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: Create a long-term transaction for a device triggering.

Tags:

- DeviceTriggering API Transaction level POST Operation

Parameters:

- **Name:** scsAsId
 - In:** path
 - Description:** Identifier of the SCS/AS
 - Required/Optional:** true
 - Schema:**
 - Reference:** 'TS29122_CommonData.yaml#/components/schemas/ScsAsId'

Request Body:

- Description:** Parameters to request a device triggering delivery.
- Required/Optional:** true
- Content:**
 - Application/JSON:**
 - Schema:**
 - Reference:** '#/components/schemas/DeviceTriggering'

Callbacks:

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

Responses:

- '200':
 - Description:** OK (successful notification)
 - Content:**
 - Application/JSON:**
 - Schema:**
 - Reference:** 'TS29122_CommonData.yaml#/components/schemas/Acknowledgement'
- '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':

{/scsAsId}/transactions/{transactionId}

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'

Responses:

'201':
Description: Created (Successful creation of subscription)
Content:
Application/JSON:
Schema:
Reference: '#/components/schemas/DeviceTriggering'
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}/transactions/{transactionId}

get:

Summary: Read a device triggering transaction resource.

Tags:

- DeviceTriggering API Transaction level GET Operation

Parameters:

- **Name:** scsAsId
In: path
Description: Identifier of the SCS/AS
Required/Optional: true
Schema:
Reference: 'TS29122_CommonData.yaml#/components/schemas/ScsAsId'
- **Name:** transactionId
In: path
Description: Identifier of the transaction resource
Required/Optional: true
Schema:
Type: string

Responses:

- '200':
Description: OK (Successful get the active subscription)
Content:
Application/JSON:
Schema:
Reference: '#/components/schemas/DeviceTriggering'
- '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: Replace an existing device triggering transaction resource and the corresponding device trigger request.

Tags:

- DeviceTriggering API transaction level PUT Operation

Parameters:

- **Name:** scsAsId
In: path

Description: Identifier of the SCS/AS

Required/Optional: true

Schema:

Reference: 'TS29122_CommonData.yaml#/components/schemas/ScsAsId'

- **Name:** transactionId

In: path

Description: Identifier of the transaction resource

Required/Optional: true

Schema:

Type: string

Request Body:

Description: Parameters to update/replace the existing device triggering

Required/Optional: true

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/DeviceTriggering'

Responses:

'200':

Description: OK (Successful update of the device triggering)

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/DeviceTriggering'

'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 device triggering transaction.

Tags:

- DeviceTriggering API Transaction level DELETE Operation

Parameters:

- **Name:** scsAsId
In: path
Description: Identifier of the SCS/AS
Required/Optional: true
Schema:
Reference: 'TS29122_CommonData.yaml#/components/schemas/ScsAsId'
- **Name:** transactionId
In: path
Description: Identifier of the transaction resource
Required/Optional: true
Schema:
Type: string

Responses:

- '204':
Description: No Content (Successful deletion of the existing subscription)
- '200':
Description: OK (Successful deletion of the existing subscription)
Content:
Application/JSON:
Schema:
Reference: '#/components/schemas/DeviceTriggering'
- '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:
  DeviceTriggering:
    Type: object
    Properties:
      self:
        Reference: 'TS29122_CommonData.yaml#/components/schemas/Link'
      externalId:
        Reference: 'TS29122_CommonData.yaml#/components/schemas/ExternalId'
      msisdn:
        Reference: 'TS29122_CommonData.yaml#/components/schemas/Msisdn'
      supportedFeatures:
        Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'
      validityPeriod:
        Reference: 'TS29122_CommonData.yaml#/components/schemas/DurationSec'
      priority:
        Reference: '#/components/schemas/Priority'
      applicationPortId:
        Reference: 'TS29122_CommonData.yaml#/components/schemas/Port'
      triggerPayload:
        Reference: 'TS29122_CommonData.yaml#/components/schemas/Bytes'
      notificationDestination:
        Reference: 'TS29122_CommonData.yaml#/components/schemas/Link'
      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'
      deliveryResult:
        Reference: '#/components/schemas/DeliveryResult'
    Required:
      - validityPeriod
      - priority
      - applicationPortId
      - triggerPayload
      - notificationDestination
    oneOf:
      - required: [externalId]
      - required: [msisdn]
  DeviceTriggeringDeliveryReportNotification:
    Type: object
    Properties:
      transaction:
        Reference: 'TS29122_CommonData.yaml#/components/schemas/Link'
      result:
        Reference: '#/components/schemas/DeliveryResult'
    Required:
      - transaction
      - result
  DeliveryResult:
    anyOf:
      - type: string

```


enum:

- SUCCESS
- UNKNOWN
- FAILURE
- TRIGGERED
- EXPIRED
- UNCONFIRMED
- REPLACED
- TERMINATE

- type: string

Description:

This string provides forward-compatibility with future extensions to the enumeration but is not used to encode content defined in the present version of this API.

Description:

Possible values are

- SUCCESS: This value indicates that the device action request was successfully completed.
- UNKNOWN: This value indicates any unspecified errors.
- FAILURE: This value indicates that this trigger encountered a delivery error and is deemed permanently undeliverable.
- TRIGGERED: This value indicates that device triggering request is accepted by the SCEF.
- EXPIRED: This value indicates that the validity period expired before the trigger could be delivered.
- UNCONFIRMED: This value indicates that the delivery of the device action request is not confirmed.
- REPLACED: This value indicates that the device triggering replacement request is accepted by the SCEF.
- TERMINATE: This value indicates that the delivery of the device action request is terminated by the SCS/AS.

readOnly: true

Priority:**anyOf:**

- type: string

enum:

- NO_PRIORITY
- PRIORITY

- type: string

Description:

This string provides forward-compatibility with future extensions to the enumeration but is not used to encode content defined in the present version of this API.

Description:

Possible values are

- NO_PRIORITY: This value indicates that the device trigger has no priority.
- PRIORITY: This value indicates that the device trigger has priority.

