



CAPIF Access Control Policy API

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OpenAPI

OpenAPI Version: 3.0.0

Info

Title: CAPIF_Access_Control_Policy_API

Description: This API enables the API exposing function to obtain the policy to perform access control on the service API invocations.

Version: "1.0.0"

Servers

URL: '{apiRoot}/access-control-policy/v1'

Variables:

API Root:

Default: https://example.com

Description: apiRoot as defined in subclause 7.5 of 3GPP TS 29.222

Paths

/accessControlPolicyList/{serviceApiId}

get:

Description: Retrieves the access control policy list.

Parameters:

- **Name:** serviceApiId
In: path
Description: Identifier of a published service API
Required/Optional: true
Schema:
Type: string
- **Name:** aef-id
In: query
Required/Optional: true
Description: Identifier of the AEF
Schema:
Type: string
- **Name:** api-invoker-id
In: query
Description: Identifier of the API invoker
Schema:
Type: string
- **Name:** supported-features
In: query
Description: To filter irrelevant responses related to unsupported features
Schema:
Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

Responses:

- '200':
Description: OK.
Content:
Application/JSON:
Schema:
Reference: '#/components/schemas/accessControlPolicyList'
- '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'

```

'414':
  Reference: 'TS29122_CommonData.yaml#/components/responses/414'
'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

```

schemas:
  accessControlPolicyList:
    Type: object
    Properties:
      apiInvokerPolicies:
        Type: array
        Items:
          Reference: '#/components/schemas/ApiInvokerPolicy'
        minItems: 0
        Description: Policy of each API invoker.
  ApiInvokerPolicy:
    Type: object
    Properties:
      apiInvokerId:
        Type: string
        Description: API invoker ID assigned by the CAPIF core function
      allowedTotalInvocations:
        Type: integer
        Description: Total number of invocations allowed on the service API by the API
invoker.
      allowedInvocationsPerSecond:
        Type: integer
        Description: Invocations per second allowed on the service API by the API invoker.
      allowedInvocationTimeRangeList:
        Type: array
        Items:
          Reference: '#/components/schemas/TimeRangeList'
        minItems: 0
        Description: The time ranges during which the invocations are allowed on the
service API by the API invoker.
      Required:
        - apiInvokerID
      TimeRangeList:
        Type: object
        Properties:

```

```
startTime:  
  Reference: 'TS29122_CommonData.yaml#/components/schemas/DateTime'  
stopTime:  
  Reference: 'TS29122_CommonData.yaml#/components/schemas/DateTime'
```

External Docs

Description: 3GPP TS 29.222 V15.2.0 Common API Framework for 3GPP Northbound APIs

URL: http://www.3gpp.org/ftp/Specs/archive/29_series/29.222/