



JOSEProtectedMessageForwarding

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OpenAPI

OpenAPI Version: 3.0.0

Info

Version: '1.0.0'
Title: 'JOSE Protected Message Forwarding API'
Description: 'N32-f Message Forwarding'

Servers

URL: '{apiRoot}/n32f-forward/v1'
Variables:
API Root:
Default: https://example.com
Description: apiRoot as defined in subclause 4.4 of 3GPP TS 29.501.

Paths

/n32f-process

Method: Post

Summary: N32-f Message Forwarding

Tags:

- N32-f Forward

Operation ID: PostN32fProcess

Request Body:

Description: Custom operation N32-f Message Forwarding

Required/Optional: true

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/N32fReformattedReqMsg'

Responses:

'200':

Description: OK (Successful forwarding of reformatted message over N32-f)

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/N32fReformattedRspMsg'

'400':

Reference: 'TS29571_CommonData.yaml#/components/responses/400'

'411':

Reference: 'TS29571_CommonData.yaml#/components/responses/411'

'413':

Reference: 'TS29571_CommonData.yaml#/components/responses/413'

'415':

Reference: 'TS29571_CommonData.yaml#/components/responses/415'

'429':

Reference: 'TS29571_CommonData.yaml#/components/responses/429'

'500':

Reference: 'TS29571_CommonData.yaml#/components/responses/500'

'503':

Reference: 'TS29571_CommonData.yaml#/components/responses/503'

Default:

Description: Unexpected error

Components

schemas:

```
FlatJweJson:
  Type: object
  Required:
    - ciphertext
  Properties:
    protected:
      Type: string
    unprotected:
      Type: object
    header:
      Type: object
    encrypted_key:
      Type: string
    aad:
      Type: string
    iv:
      Type: string
    ciphertext:
      Type: string
    tag:
      Type: string
FlatJwsJson:
  Type: object
  Required:
    - payload
    - signature
  Properties:
    payload:
      Type: string
    protected:
      Type: string
    header:
      Type: object
    signature:
      Type: string
N32fReformattedReqMsg:
  Type: object
  Required:
    - reformattedData
  Properties:
    reformattedData:
      Reference: '#/components/schemas/FlatJweJson'
    modificationsBlock:
      Type: array
      Items:
        Reference: '#/components/schemas/FlatJwsJson'
      minItems: 1
N32fReformattedRspMsg:
  Type: object
  Required:
    - reformattedData
  Properties:
```

```

    reformattedData:
      Reference: '#/components/schemas/FlatJweJson'
    modificationsBlock:
      Type: array
      Items:
        Reference: '#/components/schemas/FlatJwsJson'
      minItems: 1
  DataToIntegrityProtectAndCipherBlock:
    Type: object
    Required:
      - dataToEncrypt
    Properties:
      dataToEncrypt:
        Type: array
        Items:
          Type: object
        minItems: 1
  DataToIntegrityProtectBlock:
    Type: object
    Properties:
      metaData:
        Reference: '#/components/schemas/MetaData'
      requestLine:
        Reference: '#/components/schemas/RequestLine'
      statusLine:
        Type: string
      headers:
        Type: array
        Items:
          Reference: '#/components/schemas/HTTPHeader'
        minItems: 1
      payload:
        Type: array
        Items:
          Reference: '#/components/schemas/HttpPayload'
        minItems: 1
  RequestLine:
    Type: object
    Required:
      - method
      - scheme
      - authority
      - path
      - protocolVersion
    Properties:
      method:
        Reference: 'TS29573_N32_Handshake.yaml#/components/schemas/HttpMethod'
      scheme:
        Reference: 'TS29571_CommonData.yaml#/components/schemas/UriScheme'
      authority:
        Type: string
      path:
        Type: string

```

```
    protocolVersion:
      Type: string
    queryFragment:
      Type: string
  HttpHeaders:
    Type: object
    Required:
      - header
      - value
    Properties:
      header:
        Type: string
      value:
        Reference: '#/components/schemas/EncodedHeaderValue'
  HttpPayload:
    Type: object
    Required:
      - iePath
      - ieValueLocation
      - value
    Properties:
      iePath:
        Type: string
      ieValueLocation:
        Reference: 'TS29573_N32_Handshake.yaml#/components/schemas/IeLocation'
      value:
        Type: object
  Metadata:
    Type: object
    Required:
      - n32fContextId
      - messageId
      - authorizedIpxId
    Properties:
      n32fContextId:
        Type: string
      messageId:
        Type: string
      authorizedIpxId:
        Type: string
  Modifications:
    Type: object
    Required:
      - identity
    Properties:
      identity:
        Reference: 'TS29510_Nnrf_NFManagement.yaml#/components/schemas/Fqdn'
      operations:
        Type: array
        Items:
          Reference: 'TS29571_CommonData.yaml#/components/schemas/PatchItem'
        minItems: 1
  IndexToEncryptedValue:
```

Type: object
Required:
- encBlockIndex
Properties:
 encBlockIndex:
 Reference: 'TS29571_CommonData.yaml#/components/schemas/Uinteger'
EncodedHeaderValue:
 oneOf:
 - type: string
 - \$ref: '#/components/schemas/IndexToEncryptedValue'

External Docs

Description: 3GPP TS 29.573 V15.1.0; 5G System; Public Land Mobile Network (PLMN) Interconnection; Stage 3

URL: http://www.3gpp.org/ftp/Specs/archive/29_series/29.573/