

Eidas Sign API

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Chapter 1. Overview

The eIDAS signature API is a PoC API that allows you to sign objects using X509 / eIDAS compliant signatures.

1.1. Version information

Version : 0.1

1.2. Contact information

Contact : Sphereon

Contact Email : dev@sphereon.com

1.3. License information

License : Apache License Version 2.0

License URL : <https://www.apache.org/licenses/LICENSE-2.0>

Terms of service : <https://docs.sphereon.com/api/eidas-sign-poc/0.1/html>

1.4. URI scheme

Host : gw.api.cloud.sphereon.com

BasePath : /crypto/keys/0.9

Schemes : HTTPS

1.5. Tags

- Certificates : Certificates and signing
- Signatures : Signature verification
- eidas-controller : Eidas Controller

Chapter 2. Introduction

The eIDAS Sign API is a Proof of Concept to sign input data using X509 certificates using a Cades signature.

Warning:

This is Proof of Concept code. Sphereon is building an Open-Source and Commercial product based upon the lessons learned. We provide this code for people that are interested in experimenting or learning from it. Do not use in production settings!

This API typically will be used with the eIDAS-VC-Bridge-POC, which allows you to sign Verifiable Credentials using eIDAS compliant Cades signatures with the help of this API.

2.1. API - Swagger docs

This document can be found whilst accessing the URL at which the application runs and supplying the path /docs. By default, this will be <http://localhost:21762/docs>

We suggest reading the documentation from there, as it will include request/responses and links to all the class documentation.

The OpenAPI/Swagger JSON document can be found by using the path /v2/api-docs, by default this will be <http://localhost:21762/v2/api-docs>

2.2. Relation to crypto-keys API - Keys, Secret and Certificates

This API is separated from our bigger Crypto-Keys-API, which enables you to store and use cryptographic keys with support for multiple key types and algorithms. It allows you to remotely and securely store secrets in Hardware Security Modules. Certificates are built on top of these keys and secrets. They are the combination of public and private keys with a secret. The crypto keys allows you to encrypt, decrypt, sign and verify data, as well as store protected keys and certificates.

Chapter 3. SDKs

Our API's are based on the OpenAPI specification (formerly known as Swagger specification). This means you can pickup our REST API definition file and generate classes for your favorite programming language.

3.1. Provided SDKs and generated SDKs

3.1.1. Provided SDKs

Since this is a PoC, Sphereon does not provide supported SDKs.

3.1.2. Generate your own SDK

Please feel free to generate an SDK for your own programming language using our Swagger file. Please note that we do not officially support your SDK, but unofficially we are here to help of course.

You can use Swagger codegen for this (<https://swagger.io/swagger-codegen>). Swagger codegen support almost 100 programming languages.

Please use version 2.X of swagger codegen with our current API's

3.2. Version compatibility between SDK and API

All of our REST API's follow the versioning scheme below

XX.YY

When the major number (XX) changes this means we completely redesign an API.

Minor number (YY) changes means smaller backwards compatible breaks within the API. An API can be changed forward compatible within the same minor number.

Our SDK follow the below versioning scheme

XX.YY.ZZ

The major (XX) and minor (YY) number always map directly to the accompanying REST API version. The micro number (ZZ) is used if we add forward compatible changes to our REST API, or when bugs are encountered in a specific SDK.

Chapter 4. Privacy and data storage

This API needs a mongo database to run. Certificates are stored in the database. Please be aware that this PoC has no integration with Hardware Security Modules. That will be part of future Open-Source and Commercial products, based upon lessons learned from this PoC.

Chapter 5. Resources

5.1. Certificates

Certificates and signing

5.1.1. Import certificate

```
POST /eidas/1.0/certificates
```

Description

Import a X509 certificate in base65 form

Parameters

Type	Name	Description	Schema
Body	certificateImportRequest <i>required</i>	certificateImportRequest	EidasCertificateImportRequest

Responses

HTTP Code	Description	Schema
200	OK	ResponseEntity

Consumes

- `application/json`

Produces

- `/`

Security

Type	Name	Scopes
oauth2	oauth2schema	global

Example HTTP request

```
POST //localhost:21762:443/eidas/1.0/certificates HTTP/1.1
Content-Type: application/json
Authorization: Bearer nothing here in this POC
```


Content-Length: 3585

Host: http

```
{
  "base64Certificate" :
  "MIIKUQIBAZCCChcGCSqGSIb3DQEHAaCCCGgEggoEMIIKADCCBLCGCSqGSIb3DQEHBqCCBKgwggSkAgEAMIIEn
  QYJKoZIhvcNAQcBMBwGCiqGSIb3DQEMAQYwDgQIQvWATA5MDtICAggAgIIEcL8bUWhnofYR5707VHgY531HezU
  1htaAZiUiWRBFTKL0/mu/08wgNTgojEReu8qi9faNawA3BhvaNCbpIZyvFvFLi6iALk7TEXjMPDXFdVXR2bjFO
  /MZLZbRTM0AN3ESbdEXyd2exo2eaR1IrbXdaP16JfXbE53XCBFQIWQzVVvdFkKdgnjvai4nDg4luQjVanvAZi2
  zFwdIozZLd2wP9dohOTt06I/0QTc77wXkjwq3G+NfK3z+f/j2FCAs9S3Xu9iqKka6DRyGM6Na2GWEoLzPDqABx
  NKgHkhR+6LUN09Ldxq8yeACXFJ2tys0z7g3EbPYPqr8i1LX5HkR4v7cMmTrpFSg1Vt/7hakvu1u11ptAcZBb3j
  KGU1ZC72jmljp1h0cGg6lTk6tAAT0y68p9u05Rs8Fn8aXdOI6rTEinhR7yaK9Lz7BpQ2F5u0iwqoaLAMsATWW
  yiYrTf1xxrS+INE/pC/S6wj9rPYymurGI17TUVyL4SFXYt9TefETM91ZD08UHWmn/YssNIma9L1dBHRu8yUP5a
  B7NbnTcsIhDjOA90XpIKHF+NuKSBHWUnkByAvMxkwAK4M70J0APRpT8WGR351wBqwxoxcJ1cpHMXDVMw8LilwP
  X1K/RoyBxCJ/W7mAQMpxYj8dH+YuIsN9+/lZRCaAX7q9Ck6aG5Ty0R9Q1eDx3Qj7f6qnB5gpCg68/nOKPd6+jxs
  lQpvLbEoG4fitz2/jafgK0bB/sjmFQWvN14tpYTBZmU7KUodX0IhuJkVbgrE6gwkrMa3nR8+qR7EyV0L06WELE
  RI17PSeVUnb2wSY69izJucJinc2zYk83f68MYhPLxq5JqBcBdc3i7dTs+/HRTK6bnyps+8lGTpMqTezhx0gSPs
  o5pfe2PcmrFAXMJ4/4vNbV0KM5W1dsajqKbUWOhQkIz4yTSp61nLI710MCLghIuRdx83eTozvsfeCCim72MJob
  32SCsSrHS34brUwsun3Y17aSXVHfdh8PyrEXNvrjsIylQGVakGFZzN63ahV51wiurYCbX0oaiUZs9cxF9uFY6D
  SEGTKbfWYKc/BQv5oLXHjZC8BA79TjCWsBe6kmf5o+pOX0rFiuT/DnxLjK05vi32zh9ZySNufarRjR8cinSJTK
  4W5zYZZ8tC3xwndTygh4A08JTQKGxaBtV9L0eyWkcTl2F8+fqcSjhfg7h6j7VSzs8d6pbh9wOMTxySTzkXa/Xo
  FW90Ns7TCKXtoyjWSsamJHuL9P4Bat1BFRhpefGn2EHIp3y90bIxsT2Zk9VADih7SCWoN1WZGSBh5khNh4i9J
  YAM80+eqp/cwt/hcmPUSkrWJFLyg3sJkBXr7LPFESgUgbuWnTSVrJEXj6s49lfuk2RRygJb2e91xdYjtokxu1R
  H17uHFgu6vGRKqiRybIt3Ud0EUonAI3K0za/dy/s+x1anvWrLTIdXEdcT7HH7RHZIHwOHUN9GmAKHgcca+U9/T
  UCSI4iCCFHkjJz8UihKwuRApLOZMIIFQQYJKoZIhvcNAQcBoIIFMgSCBS4wggUqMIIFJgYLKoZIhvcNAQwKAQK
  gggTuMIIIE6jAcBgoqhkiG9w0BDAEDMA4ECPWUS2jfoXbYAgIIAASCBMhXPxKSDxKVRsfTtMh/ShNz5ySTgHGAK
  7TJAMri6TesEbPkJEztHtNmMuD8EpIAZ1PRWfAmxtFsIQoGTsqpH4c0jT8BBfCrYRvhs46FfdqCabyVaqE3cRf
  nn3/l1omSx2atpy8bNg75rX3Yazx2YTzrJdbQeyoDbNV9XBoUp2TWHhu03ZbwZSA80rhPMtCfwdIWjMHQYjfk
  9pqnEINaorkCf+sMsfobb4Ifz7vUIWBC+7MYEZbswEuQnJTQpeRejyP7Y2KupjHP/z64LSrENL80N22ickXKVE
  JG0YzqELRoIGI+yuCS39hNXucZUpEqimVncBnSNOtywg6hC+KE+l+IAbLLQu+/YGVMU12uPWFzY5F1VjqjSaqW
  oq3BO/invCp9c/e78cPuh0HM2NJCwDA3IFFs05JjhMUM6ZQLVgsFbgz0zaf077JJHBmXE4KziexhLGwmNhhHYY
  YopUpiXXmuhYNV92cOrpywkpvdFghHTf3D/XS4bUqaiYwwj3cJ3CLOZDnX0A4xfWpziFWPVPtVnvWtv2mGuzi
  0fzqV+SppNx0CnVhLav10EJ65WqBe2fhQMh+XQGBzby329rvR+xy2ZNJrcy0s0UyorLKpNcRyL5ryWVBqfTpNu
  nL9tphuX5QPRJauUbLwNcQA4d7m/YxnsisX86lFwU4q/UbK3X56wQQV5jiLW0ZZSf4rY50jb1x1PLy0Ez306y1
  avA0SxbWKSWhaW4ULbJsshABSIhIYsh1CoNo2TNpAxmsP3PRI69ySQJmwUyQ3KunYJHh/k/xJ2Bu8Rr6WTRUxC
  Cn9q3pJMXF9PfJ83koHx+jBK6vZfR5y57sI2801e0x1H0hzdH88K9N6jsn7K6ySXh3tOKxG3RrfJsDi7xGsKzj
  UW8M14DpYjaFESig8zh09z//xk0fRddLZOChYj7+dFtCwK/fETIvJu6zdCyCNRp4Fz9sadZ53EKI1Mr5XYaqA5
  /AH30XYHPvo/ULS78dphLYyjby+Awd70tHwKc4Pumvqt23WrrwYF2p9z4MUNzAepL4jhgNIW/b4UNwWd4hsK0
  ar5xDac0qIGFNls28Ssk0bGp5g/5FQ7FvUM+X7beV0uRavZXkzPbjNaUPT4Kx/W0jK4mwThvBZx02o1HngLzLY
  Ln9m5cXPEc0LiL9SS4W7JgLU02rvEG0TvwCmf4tXBQ04oA0K4dENZFBWLX22vgZicKbDbOfizv508BFtdKULSQ
  QCujaW5UjrNUGjEmpQTMew7Gj/L8sVm09UDKJoCjTN09ihR7yd7XB0QA2LcYFdjHQifuw7Ml65CXet/eAgEm5b
  BX04d2e6Eczva3T5PWghjmQn01+mK8kMoAqa+9+0VZQBv5mC/dUOI5tHVh/tMxvSWrjBFmBfq139oAhrXxqz
  Vyu1+Q7p6U66RTh1+ASWPQGHYXAzohIgotJ4Mu+rDE9YF6CnUKuKya8cGDxPN1S1e3UqzvOLyCyfQQgs6JYGj7
  w0YnBfSGxXcHtH35z2qkXBtfzkTew5XCNDGMCujYp/h+dqXXE00vviyDZRRkzAZyPZFz0EJtGJZQ50MGFLwE
  twXfssvWueLjfyLv1jIgv6rLQDyVgqFw4hNuj+ZWDahkMT2Rzh4ExJTAjBgkqhkiG9w0BCRUxFgQUPb8IxOY
  P2PwKSQJ5I1iMQNwMmAUwMTAhMAKGBSs0AwIaBQAEFPDUUJgnw/mLEVpGmg610J00vBiIBAhfMy346q3u3AICC
  AA=",
  "name" : "test-cert"
}
```

Example HTTP response

```
HTTP/1.1 200 OK
```

Example Curl request

```
$ curl 'http://http://localhost:21762:443/eidas/1.0/certificates' -i -X POST \
-H 'Content-Type: application/json' \
-H 'Authorization: Bearer nothing here in this POC' \
-d '{
  "base64Certificate" :
    "MIIKUQIBAZCCChcGCSqGSIb3DQEHAaCCCggEggoEMIIKADCCBLCGCSqGSIb3DQEHQCCBKgwggSkAgEAMIIEn
    QYJKoZIhvcNAQcBMBwGCiqGSIb3DQEMAQYwDgQIqvwATA5MDtICAggAgIEcL8bUWhnofYR5707VHgY531HezU
    1htaAZiUiWRBFTKL0/mu/08wngNTgojEReu8qi9faNawA3BhvaNCbpIZyvFvFLi6iAlk7TEJxjMPDXFdvXR2bjFO
    /MZLZbRTM0AN3ESbdEXyd2exo2eaR1IrbXdaP16JfXbE53XCBFQIWQzVVvdFkKdgnjvai4nDg4luQjVanvAZi2
    zFwdIozZLd2wP9dohOTt06I/0QTc77wXkjwq3G+NfK3z+f/j2FCAs9S3Xu9iqKka6DRyGM6Na2GWEoLzPDqABx
    NKgHkhR+6LUN09ldxq8yeACXFJ2tysOz7g3EbPYPqr8i1LX5HkR4v7cMmTrpFSg1Vt/7hakvu1ul1ptAcZBb3j
    KGU1ZC72jmljp1h0cGg6lTk6tAAT0y68p9u05Rs8Fn8aXd0I6rTEinhR7yaK9Lz7BpQ2F5u0iwqoaLAMsATWW
    yiYrTf1xxrS+INE/pC/S6wj9rPYymurGI17TUvyL4SFXYt9TefETM91ZD08UHWmn/YssNIma9L1dBHRu8yUP5a
    B7NbnTcsIhDjOA90XpIKHF+NuKSBHWUnkByAvMxkwAK4M70J0APRpT8WGR351wBqwxoxcJ1cpHMXDVMw8LiLwP
    X1K/RoyBxCJ/W7mAQMpxYj8dH+YuIsN9/+LzRCaA7q9Ck6aG5Ty0R9Q1eDx3QjF6qnB5gpCg68/nOKPd6+jxs
    lQpvLbEoG4fitz2/jafgK0bB/sjmFQWvN14tpYTBZmU7KUodX0IhuJkVbGRE6gwkrMa3nR8+qR7EyV0L06WELE
    RI17PSeVUnb2wSY69izJucJinc2zYk83fG8MYhPLxq5JqBcBDC3i7dTz+/HRTK6bnyps+8LGTpMqTezhx0gSPs
    o5pfe2PcmrFAXMJ4/4vNbV0KM5W1dsajqKbUW0hQkIz4yTSp61nLI710MCLghIuRdx83eTozvsfeCCim72MJob
    32ScsSrHS34brUwsun3Y17aSXVHfdh8PyrEXNvrjsIylQGVakGFZzN63ahV51wiurYCbX0oaiUZs9cxF9uFY6D
    SEGTKbFWYKc/BQv5oLXHjZC8BA79TjCwsBe6kmf5o+pOX0rFiuT/DnxLjK05vi32zh9ZySNufapRjR8cinSJTK
    4W5zYZZ8tC3xwndTygh4A08JTQKGxaBtV9L0eyWkcTl2F8+fqcSjhfg7h6j7VSzs8d6pbh9wOMTxySTzkXa/Xo
    FW90Ns7TCKXtoyjWSsamJHuL9P4Bat1BFRhpefGn2EHIp3y90bIxsT2Zk9VAdIh7SCWoN1WZGSBh5khNh4i9J
    YAM80+eqp/cwt/hcmPUSkrWJFLyg3sJkBR7LPFESgUgbuWnTSvrJEXj6s49lfuk2RRygJb2e91xdYjtokxu1R
    H17uHFgu6vGRKqiRybIt3Ud0EUonAI3K0za/dy/s+x1anvWrLTIdXEdcT7HH7RHZIHwOHUN9GmAKHgcca+U9/T
    UCSI4iCCFHkjJz8UihKwuRApLOZMIIFQQYJKoZIhvcNAQcBoIIFMgSCBS4wggUqMIIIFJgYLKoZIhvcNAQwKAQK
    gggTuMIIIE6jAcBgoqhkiG9w0BDAEDMA4ECPWUS2jfOXbYAgIIAASCBMhXPxKSDxKVRsfTtMh/ShNz5ySTgHGAK
    7TJAMri6TesEbPkJEzthtNmMuD8EpIAZlPRWfAmxtFsIOqGTsqPH4cOjT8BBfCrYRvhs46FfqDCabyVaqE3cRf
    nn3/llomSx2atpy8bNg75rX3Yazx2YTzrJdbQeyoDbNV9XBoUp2TWHhu03ZbwZSA80rHPmtCfwdIWjMHQYjfk
    9pqnEINaorkCf+sMsfobb4Ifz7vUIWBC+7MYEZbswEuQnJTQpeRejyP7Y2KupjHP/z64LSrENL80N22ickXKVE
    JGOYzqELRoIGI+yuCS39hNXucZUpEqimVncBnSNOtyw6hC+KE+l+IAbLLQu+/YGVMU12uPWFzY5F1VjqjSaqW
    oq3BO/invCp9c/e78cPuh0HM2NJcWDA3IFFs05JjhMUM6ZQLVgsFbgz0zaf077JJHBmXE4KziehLgwmNhhHYY
    YopUpiXXmuhYNNV92cOrpywkpvdFghHTf3D/XS4bUqaiYwwj3cJ3CLOZDnX0A4xfWpzifWPVPTvnnWtv2mGuzi
    0fzqV+SppNx0CnVhLav10EJ65WqBe2fhQMh+XQGBzby329rvR+xY2ZNJrcy0s0UyorLKpNcRyL5ryWVBqfTpNu
    nL9tphuX5QPRJauUbLwNcQA4d7m/YxnsisX86LFwU4q/UbK3X56wQQV5jiLW0ZZSf4rY50jblx1PLy0Ez306y1
    avA0SxbWKSWhaW4ULbJssHABSIhIYsh1CoNo2TNpAxsP3PRI69ySQJmwUyQ3KunYJHh/k/xJ2Bu8Rr6WTRUxC
    Cn9q3pJMXF9PfJ83koHx+jBK6vZfR5y57sI280Le0x1H0hzdH88K9N6jsn7K6ySXh3tOKxG3RrfJsDi7xGsKzj
    UW8M14DpYjaFESig8zh09z//xk0fRddLZOChYj7+dFtCwK/fETIvJu6zdCyCNRp4Fz9sadZ53EKI1Mr5XYaqA5
    /AH30XYHPvo/ULS78dphYLyjby+Awd70tHwKc4Pumvqt23WrrwYF2p9z4MUNzAepL4jhgNIW/b4UNwWd4hsK0
    ar5xDac0qIGFNls28Ssk0bGp5g/5FQ7FvUM+X7beVOuRavZXkzPbjNaUPT4Kx/W0jK4mwThvBZx02o1HngLzLY
    Ln9m5cXPEc0LiL9SS4W7JgLU02rvEG0TvwCmf4tXBQ04oA0K4dENZFBWLX22vgZiCkDb0FiZv508BFtdKULSQ
    QCujaWSUjrNUGjEmpQTMew7Gj/L8sVm09UDkJoCjTN09ihR7yd7XB0QA2LcYFdjHQifuw7M165CXet/eAgEm5b
    BX04d2e6Eczva3T5PWghjmQnO1+mK8kMoAqa+9+0VZQBVB5mC/dUOI5tHVh/tMxvSWrjBfMBfq139oAhrXxqz
    Vyu1+Q7p6U66RTh1+ASWPQGhYXAZohIgotJ4Mu+rDE9YF6CnUKuKya8cGDxPN1S1e3UqzvOLyCyfQQgs6JYgJ7
    w0YNBfSGxXcHtH35z2qkXBTfzkTew5XCNDGMCujYp/h+DqXXE00vviyDZRRkzAZyPZFz0EJtGJZQ50MGFCLwE
    twXfssvWueLjfyLvu1jIgv6rLQDyVgqFcW4hNuj+ZWDahkMT2Rzh4ExJTAjBgkqhkiG9w0BCRUxFgQUPb8IxOY
    P2PwKSQJ5I1iMQNwMmAUwMTAhMAKGBSS0AwIaBQAEFPDUUJgnw/mLEvpGmg610J00vBiIBAhfMy346q3u3AICC
    AA=",
    "name" : "test-cert"
  }'
```

5.1.2. Sign input data

POST /eidas/1.0/certificates/{name}/sign

Description

Create a signature using the named certificate

Parameters

Type	Name	Description	Schema
Path	name <i>required</i>	name	string
Body	cadésSignatureRequest <i>required</i>	cadésSignatureRequest	CadesSignatureRequest

Responses

HTTP Code	Description	Schema
200	OK	CadesSignatureResponse

Consumes

- `application/json`

Produces

- `/`

Security

Type	Name	Scopes
oauth2	oauth2schema	global

Example HTTP request

5.2. Signatures

Signature verification

5.2.1. Verify input data

```
POST /eidas/1.0/signatures
```

Description

Verifies a signature

Parameters

Type	Name	Description	Schema
Body	cadésSignatureVerifyRequest <i>required</i>	cadésSignatureVerifyRequest	CadesSignatureVerifyRequest

Responses

HTTP Code	Description	Schema
200	OK	CadesSignatureVerifyResponse

Consumes

- `application/json`

Produces

- `/`

Security

Type	Name	Scopes
oauth2	oauth2schema	global

Example HTTP request

```
POST //localhost:21762:443/eidas/1.0/signatures HTTP/1.1
Content-Type: application/json
Authorization: Bearer nothing here in this POC
Content-Length: 3860
```

```
t
"signature": "-----BEGIN PKCS7-----
\r\nMIAGCSqGSIB3DQEHAgCAMIACAQExDzANBglghkgBZQMEAgEFADCBgkqhkiG9w0B\r\n\r\nBwGggCSABIIcm3
sKICAKICAiQGnVbnRleHQiOiBbCiAgICAiaHR0cHM6Ly93d3cu\r\n\r\ndzMub3JnLzIwMTYyZGVudGlhbHBMv
djEiLAogICAgImh0dHBzOj8vd3d3Lncl\r\n\r\nLm9yZy8yMDE4L2NyZWRLbnRpYWxzL2V4YW1wbGVzL3YxIgogIF
0sCiAgCiAgImIk\r\n\r\nIjogImh0dHA6Ly9leGFtcGxlLmVkdS9pc3N1ZXJz\r\n\r\nLzU2NTA0OSIsCiAgCiAgImIzc3VhbmNlRGF0
ZSI6ICIyMDEwLTAxLTAxVDE5OjIz\r\n\r\nOjI0WiIsCiAgCiAgImNyZWRLbnRpYWwTdWJqZWN0IjogewogICAgCi
AgICAiaWQi\r\n\r\nOiaIZGklOmV4YW1wbGU6ZWJmZWIXZjcXmmViYzZmMWMYNzZlMTJlYzIxIiwKICAg\r\n\r\nIAogICAgImFsdW1uaU9mIjogewogICAgICAiaWQiOiAiZGklOmV4YW1wbGU6YzI3\r\n\r\nr\nNmUxMmVmJmJfLYmZlYjFmNz
EyZWJjNmYxIiwKICAgICAgIm5hbWUiOiBbewogICAg\r\n\r\nICAgICJ2YXwxZSI6ICJFeGFtcGxlIFVuaXZlc3Np
dHkiLAogICAgICAgICJ5YW5n\r\n\r\nIjogImVuIjogICAgICB9LCB7CiAgICAgICAgInZhbnHVLIjogIkV4ZW1wbG
UgZCdv\r\n\r\nbnmlZ2XJzaXTDqSIsCiAgICAgICAgImxhbmciOiAiZnIiCiAgICAgIH1dCiAgICB9\r\n\r\nr\nnCiaGfXOA
AAAAAACggDCCBBMwgGL7oAMCAQICFCdIUybMBEQqa3kIGxEC/BUY18Bw\r\n\r\nr\nnMA0GCSqGSIB3DQEBCwUAMIgYMq
swCQYDVQQGEwJOTDEWMBQGA1UECAwNTm9vcmt\r\n\r\nr\nnSG9sbGFiZDESMBAGA1UEBwwJQW1zdGVyZGFtMRQwEgYD
VQQKDAUZXN0Q29tcGFu\r\n\r\nneTELMAGKA1UECwwCSVQxFTATBgNVBAMMDFNjb3R0IE1hbGxleTEmCEGCSqGSI
b3\r\n\r\nr\nnDQEJARyUC21hbGxleUBzGhlcmVvb3I5bj20WHhcNMjAxMjAyMTQzMTA1WhcnMZAe\r\n\r\nr\nnMTMwMTQzMTA1
WjCBMDELMAKGA1UEBhMCTkwxFjAUBGNVBAGMDU5vb3JkLUhvbGxh\r\n\r\nr\nnbmQxEjaQBGNVBACMCUFtc3Rlc3RlbHBT
EUMBIGA1UECgwLVGVzdENvbXBhbnkxCzAJ\r\n\r\nr\nNBGNVBAsMAKLUMRUwEwYDVQDDAxTY290dCBNYWxsZXkxIzAh
BgkqhkiG9w0BCQEW\r\n\r\nr\nnFHntYwxsZXlAc3BoZXJlb24uY29tMIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIB\r\n\r\nr\nnCgKCAQEA5GX6o+0faZHbeRi3PwpkskkD96MJMMdl1tTS0y693Qv0cxPMd0kaR0MG\r\n\r\nr\nnkRK5tFWL1d+SVb7m
xmYGrZuUjBE1B802MK8MvoRhQ16NiTmy9JJY9xKZKUT6VUux\r\n\r\nr\nnlwJTMU732YocPCIJgN2RJ4ZwmG8nyoggDp
lRi3P3VYhu1LpnjureoJAHS9DIc10p\r\n\r\nr\nnwqQWq4qpcFKMV3+8/pxbmawYqNpfxi+j3+qK7wf+u1dj0BGJ2JX
9uFbX3Vd+P0H\r\n\r\nr\nnFN0/W0IzdkYUs0/R2K2GbRFxJkuAEWjeJkqAp5CEzbKxlm9y6V9KM8ZNpEAlHvPb\r\n\r\nr\n/E
1HfrmMwP7B1yV2u6B6kWNSVa7QwIDAQABo1MwUTADBGNVHQ4EFgQU9m+N81QL\r\n\r\nr\nnqlVsBSGS0k0jnSN5+SAAw
HwYDVR0jBBgwFoAU9m+N81QLqLvBSGS0k0jnSN5+SAAw\r\n\r\nr\nnDwYDVR0TAQH/BAUwAwEB/zANBgkqhkiG9w0BAQ
sFAAOCAQEAZyspxN8NOBchB6WC\r\n\r\nr\nnbPeHmk7ygIB+pb2rx5Q24mcAtWID8EdE5WxSiMmbCH3MdUBrtUZP3vge
w/qXiGB\r\n\r\nr\nnS9PPUMWwvPKIIdNwmj6qyRIYZksSxDfi9x0JfqSLVVEyh/JGsR3gv0sptqThCVts\r\n\r\nr\nnu5lbT2
JK4DIk45jiY+tISREBP01U/0wf7KAFzpvKFV8tR2tx8B2el6Lhv0sGIV1m\r\n\r\nr\nnqpzLAzon0ee/Qsud7DJLhtJu
0rl8TmadtI51+02kfBJR/JmYn00gy5E9kTY9UIRR\r\n\r\nr\nnvk5eZ0f00t4+MSMPX9ko/o1XJblIHEIdNG6PKX3TI
QPPrDF9cwrDrxt7A57H7Ki5\r\n\r\nr\nni+4LLQAAMYIDcTCCA20CAQEwgbEwgZgx CzAJBgNVBAYTAk5MMRYwFAYDVQOI
DA10\r\n\r\nr\nnb29yZC1Ib2xsYW5kMRIwEAYDVQQHDA1BbXN0ZXJkYW0xZDASBgNVBAoMClRlc3RD\r\n\r\nr\nnb21wYW55MQ
swCQYDVQQLDAJVVDEVMBMGA1UEAwMU2NdHQGTWFsbGV5MSMwIQYJ\r\n\r\nr\nnKoZIhvcNAQkBfhRzbWFSbGV5QHhw
aGVyZW9uLmNvbGQIUJ0hTJsWf5BBReQgbEQL8\r\n\r\nr\nnFTLXwHAWDQYJYIZIAWUDBAIBBQCgggQMGBGCSqGSIB3DQ
EJAzelBgkqhkiG9w0B\r\n\r\nr\nBwEwHAYJKoZIhvcNAQkFMQ8XDITyMDIxMDE0NDUzOFowLQYJKoZIhvcNAQk0MSAw
\r\n\r\nr\nnHjANBglghkgBZQMEAgEFakENBgkqhkiG9w0BAQsFADAxBgkqhkiG9w0BCQXxIgQg\r\n\r\nr\nnp2tYia9Yuq62xi
bWMQFc44GndqJDQNni67IO9KEkCxMwgfUGCYqGSIB3DQJEAIv\r\n\r\nr\nnMYHLMIHIHfMIHfMIHCBCD3SVjat5f3AQrh
EKblwdKspJ3ZS87w3K1LUXSqPg5RPzCB\r\n\r\nr\nntzCBnqSBmzCBMDELMAKGA1UEBhMCTkwxFjAUBGNVBAGMDU5vb3
JkLUhvbGxhbmQx\r\n\r\nr\nnEjaQBGNVBACMCUFtc3Rlc3RlbHBT
EUMBIGA1UECgwLVGVzdENvbXBhbnkxCzAJBgNV\r\n\r\nr\nBASMAKLUMRUwEwYDVQDDAxTY290dCBNYWxsZXkxIzAhBgkqhkiG9w0BCQEWFHnt\r\n\r\nr\nnYwxsZXlAc3BoZXJlb2
4uY29tAhQnSFMMzAXKEgt5CBsRAvvVMtfAcDANBgkqhkiG\r\n\r\nr\nn9w0BAQsFAASCAQDUjIL0qtYq5IDoT2IampWU
FbMVV/5pfBguWQC12PtUR6F48p66\r\n\r\nr\nnZ0OVKPMY+0YXeLnaHannRoyBL/vzkeynurUNE/PIC20Zt5e73yaK0i
qn6yXP8R05\r\n\r\nr\nn3b5VqFmYEMtkdfINaX40EenCHK5CaKmT1C6Uk/Wpi2l9gWqvFORNLZQD59UID1sH\r\n\r\nr\nn9LPo
ExFzb5nPqMuEk/Mg+wGIpocAxR8mAwp6QD2hg6arara6pZzWBKPLVwp0zvC\r\n\r\nr\nnwfkAK/pcoHeggGcCGHjj/4
HM18I+sUfwTgn8QtRfsi0rr1NRUYh/M41j8SSo/p8N\r\n\r\nr\nnm3uD6NbSbCISGUmQZYXwyOA9Kpipn4jZbJ9AAAA
AAAA\r\n\r\nr\n-----END PKCS7-----\r\n\r\n"
```


Example HTTP response

[illegible]

} '

Chapter 6. Security

6.1. oauth2schema

Type : oauth2

Flow : application

Token URL : <https://gw.api.cloud.sphereon.com/token>

Name	Description
global	accessEverything

Chapter 7. Definitions

7.1. CadesSignatureRequest

Name	Schema
content <i>optional</i>	string
password <i>optional</i>	string

7.2. CadesSignatureResponse

Name	Schema
signature <i>optional</i>	string

7.3. CadesSignatureVerifyRequest

Name	Schema
signature <i>optional</i>	string

7.4. CadesSignatureVerifyResponse

Name	Schema
originalData <i>optional</i>	string
simpleReport <i>optional</i>	XmlSimpleReport
verified <i>optional</i>	boolean

7.5. EidasCertificateImportRequest

Name	Schema
base64Certificate <i>optional</i>	string
name <i>optional</i>	string

7.6. ResponseEntity

Name	Schema
body <i>optional</i>	object
statusCode <i>optional</i>	enum (ACCEPTED, ALREADY_REPORTED, BAD_GATEWAY, BAD_REQUEST, BANDWIDTH_LIMIT_EXCEEDED, CHECKPOINT, CONFLICT, CONTINUE, CREATED, DESTINATION_LOCKED, EXPECTATION_FAILED, FAILED_DEPENDENCY, FORBIDDEN, FOUND, GATEWAY_TIMEOUT, GONE, HTTP_VERSION_NOT_SUPPORTED, IM_USED, INSUFFICIENT_SPACE_ON_RESOURCE, INSUFFICIENT_STORAGE, INTERNAL_SERVER_ERROR, I_AM_A_TEAPOT, LENGTH_REQUIRED, LOCKED, LOOP_DETECTED, METHOD_FAILURE, METHOD_NOT_ALLOWED, MOVED_PERMANENTLY, MOVED_TEMPORARILY, MULTIPLE_CHOICES, MULTI_STATUS, NETWORK_AUTHENTICATION_REQUIRED, NON_AUTHORITATIVE_INFORMATION, NOT_ACCEPTABLE, NOT_EXTENDED, NOT_FOUND, NOT_IMPLEMENTED, NOT_MODIFIED, NO_CONTENT, OK, PARTIAL_CONTENT, PAYLOAD_TOO_LARGE, PAYMENT_REQUIRED, PERMANENT_REDIRECT, PRECONDITION_FAILED, PRECONDITION_REQUIRED, PROCESSING, PROXY_AUTHENTICATION_REQUIRED, REQUESTED_RANGE_NOT_SATISFIABLE, REQUEST_ENTITY_TOO_LARGE, REQUEST_HEADER_FIELDS_TOO_LARGE, REQUEST_TIMEOUT, REQUEST_URI_TOO_LONG, RESET_CONTENT, SEE_OTHER, SERVICE_UNAVAILABLE, SWITCHING_PROTOCOLS, TEMPORARY_REDIRECT, TOO_EARLY, TOO_MANY_REQUESTS, UNAUTHORIZED, UNAVAILABLE_FOR_LEGAL_REASONS, UNPROCESSABLE_ENTITY, UNSUPPORTED_MEDIA_TYPE, UPGRADE_REQUIRED, URI_TOO_LONG, USE_PROXY, VARIANT_ALSO_NEGOTIATES)
statusCodeValue <i>optional</i>	integer (int32)

7.7. XmlCertificate

Name	Schema
id <i>optional</i>	string
qualifiedName <i>optional</i>	string

7.8. XmlCertificateChain

Name	Schema
certificate <i>optional</i>	< XmlCertificate > array

7.9. XmlSemantic

Name	Schema
key <i>optional</i>	string
value <i>optional</i>	string

7.10. XmlSimpleReport

Name	Schema
containerType <i>optional</i>	enum (ASiC_E, ASiC_S)
documentName <i>optional</i>	string
semantic <i>optional</i>	< XmlSemantic > array
signatureOrTimestamp <i>optional</i>	< XmlToken > array
signaturesCount <i>optional</i>	integer (int32)
validSignaturesCount <i>optional</i>	integer (int32)
validationPolicy <i>optional</i>	XmlValidationPolicy

Name	Schema
validationTime <i>optional</i>	string (date-time)

7.11. XmlToken

Name	Schema
certificateChain <i>optional</i>	XmlCertificateChain
errors <i>optional</i>	< string > array
filename <i>optional</i>	string
id <i>optional</i>	string
indication <i>optional</i>	enum (FAILED, INDETERMINATE, NO_SIGNATURE_FOUND, PASSED, TOTAL_FAILED, TOTAL_PASSED)
infos <i>optional</i>	< string > array
subIndication <i>optional</i>	enum (CERTIFICATE_CHAIN_GENERAL_FAILURE, CHAIN_CONSTRAINTS_FAILURE, CRYPTO_CONSTRAINTS_FAILURE, CRYPTO_CONSTRAINTS_FAILURE_NO_POE, EXPIRED, FORMAT_FAILURE, HASH_FAILURE, NOT_YET_VALID, NO_CERTIFICATE_CHAIN_FOUND, NO_POE, NO_SIGNING_CERTIFICATE_FOUND, OUT_OF_BOUNDS_NOT_REVOKED, OUT_OF_BOUNDS_NO_POE, POLICY_PROCESSING_ERROR, REVOKED, REVOKED_CA_NO_POE, REVOKED_NO_POE, SIGNATURE_POLICY_NOT_AVAILABLE, SIGNED_DATA_NOT_FOUND, SIG_CONSTRAINTS_FAILURE, SIG_CRYPTO_FAILURE, TIMESTAMP_ORDER_FAILURE, TRY_LATER)
warnings <i>optional</i>	< string > array

7.12. XmlValidationPolicy

Name	Schema
policyDescription <i>optional</i>	string
policyName <i>optional</i>	string