

# Nebula CA service for NEST (Nebula Enrollment over Secure Transport) - OpenAPI

3.0

0.2.1

OAS3

api/ca.yaml

This is a simple Nebula CA service that signs Nebula Public keys and generates Nebula Key Pairs and Certificates on behalf of the NEST service

[Terms of service](#)

[Contact the developer](#)

Apache 2.0

[Find out more about NEST](#)

Servers

http://nest\_ca/

▼

ncsr

Operations about a Nebula Certificate Signing Request made to the Nebula EST service and relayed to the Nebula CA service. It can either simply request to sign a client-generated Nebula Public Key or request to generate it on the server and then sign it.

⌵

POST

/ncsr/sign

Sign a Nebula Public key

⌵

Sign the provided Nebula Public key and return the generated certificate for the requiring hostname.

Parameters

Try it out

No parameters

Request body

required

application/json

▼

The future Nebula hostname of the client requesting the certificate and its Nebula Public Key

Example Value

Schema

```
{  "serverKeygen": true,  "rekey": true,  "hostname": "example.com",  "publicKey": "string",  "pop": "string",  "Groups": [    "string"  ]}
```

Responses

Code	Description	Links
201	Successful operation: POP validated and Nebula Certificate issued.	No links

Media type

application/json

▼

Controls Accept header.

Example Value

Schema

```
{  "NebulaCert": {    "NebulaCertificateDetails": {      "Name": "string",      "Ips": [        "string"      ],      "Subnets": [        "string"      ],      "Groups": [        "string"      ],    },    "NotBefore": {      "wall": 0,      "ext": 0,      "loc": {        "name": "string",        "zones": [          {            "name": "string",            "offset": 0,            "isdst": true          }        ]      },      "tx": [        {          "name": "string",          "offset": 0,          "isdst": true        }      ]    }  } }
```

400

POP is not valid

No links

Media type

application/json

▼

Example Value

Schema

```
{  "code": 400,  "message": "POP could not be validated"}
```

500

Could not generate Nebula Certificate

No links

Media type

application/json

▼

Example Value

Schema

```
{  "code": 500,  "message": "Internal Server Error. Could not generate Nebula Certificate."}
```

POST

/ncsr/generate

Generate client's Nebula key pairs

⌵

Generate client's Nebula key pairs on behalf of the NEST service

Parameters

Try it out

No parameters

Request body

required

application/json

▼

The Nebula CSR of the client. Serverkeygen field must be true

Example Value

Schema

```
{  "serverKeygen": true,  "rekey": true,  "hostname": "example.com",  "publicKey": "string",  "pop": "string",  "Groups": [    "string"  ]}
```

Responses

Code	Description	Links
201	Successful operation: Nebula key pair generated and certificate issued	No links

Media type

application/json

▼

Controls Accept header.

Example Value

Schema

```
{  "NebulaCert": {    "NebulaCertificateDetails": {      "Name": "string",      "Ips": [        "string"      ],      "Subnets": [        "string"      ],      "Groups": [        "string"      ],    },    "NotBefore": {      "wall": 0,      "ext": 0,      "loc": {        "name": "string",        "zones": [          {            "name": "string",            "offset": 0,            "isdst": true          }        ]      },      "tx": [        {          "name": "string",          "offset": 0,          "isdst": true        }      ]    }  } }
```

500

Could not generate Nebula Certificate

No links

Media type

application/json

▼

Example Value

Schema

```
{  "code": 500,  "message": "Internal Server Error. Could not generate Nebula Certificate."}
```

cacert

Operations about the Nebula CA certs (i.e. getting the Nebula CA cert).

⌵

GET

/cacerts

Gets Nebula CAs certs

⌵

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	Successful operation	No links

Media type

application/json

▼

Controls Accept header.

Example Value

Schema

```
{  "NebulaCertificateDetails": {    "Name": "string",    "Ips": [      "string"    ],    "Subnets": [      "string"    ],    "Groups": [      "string"    ],    "NotBefore": {      "wall": 0,      "ext": 0,      "loc": {        "name": "string",        "zones": [          {            "name": "string",            "offset": 0,            "isdst": true          }        ]      },      "tx": [        {          "name": "string",          "offset": 0,          "isdst": true        }      ]    }  } }
```

503

Service Unavailable

No links

Media type

application/json

▼

Example Value

Schema

```
{  "code": 503,  "message": "Service Unavailable. Please retry after waiting the amount specified in the Retry-After header field."}
```

Headers:

Name	Description	Type
Retry-After	Amount of time in which the resource is supposed to beavailable	integer

Schemas

⌵