

# Certificate Template API (0.0.1)

## Certificate Authority

APIs for Certificate Authority Management.

### Create New Certificate Authority

REQUEST BODY SCHEMA: multipart/form-data ▼  
**required**

|                              |                                                                                                                         |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| publicKey<br><b>required</b> | string <binary><br>The public key of the certificate authority must be uploaded.                                        |
| privateKey                   | string <binary><br>The private key is only necessary if you plan to issue certificate using this certificate authority. |
| password                     | string<br>If upload private key is password-protected, specify the password. If not, leave the password blank.          |

#### Responses

- 202 Certificate Authority created
- > 400 Invalid Certificate Authority content

POST /certificateAuthorities ▼

Request samples

Payload

Content type

multipart/form-data ▼

No sample

Response samples

202400

Content type

application/json ▼

Copy

```
{  
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"  
}
```

### Get Specific Certificate Authority

PATH PARAMETERS

|                         |                 |
|-------------------------|-----------------|
| caId<br><b>required</b> | string<br>CA id |
|-------------------------|-----------------|

#### Responses

> **200** Certificate Authority

> **404** Certificate Authority not found

GET /certificateAuthorities/{caId}

Response samples

200

404

Content type

application/x-x509-ca-cert

No sample

Download the Private KEY of Certificate Authority

PATH PARAMETERS

caId string  
required Certificate id

REQUEST BODY SCHEMA: application/json  
required

password string  
The password to use to encrypt the private key. If encryption is not required, please leave it blank.

includeChain boolean

Responses

— **200** Downloaded private key of CA

POST /certificateAuthorities/{caId}

Request samples

Payload

Content type

application/json

Copy

```
{
  "password": "string",
  "includeChain": true
}
```

Delete the Certificate Authority

PATH PARAMETERS

caId string  
required Certificate Authority id

Responses

— 202 The delete request has been accepted and is in progress.

**DELETE** /certificateAuthorities/{caId}

Response samples

202

Content type

application/json

Copy

```
{
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"
}
```

Update the Certificate Authority

PATH PARAMETERS

caId  
required string  
Certificate Authority id

REQUEST BODY SCHEMA: application/json  
required

name string [ 2 .. 255 ] characters  
The name of this authority.

description string [ 0 .. 255 ] characters  
The description of this authority.

Responses

— 202 The update request has been accepted and is in progress.

**PATCH** /certificateAuthorities/{caId}

Request samples

Payload

Content type

application/json

Copy

```
{
  "name": "string",
  "description": "string"
}
```

Response samples

202

Content type

```
application/json

{
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"
}
```

Create New Certificate Template Belonging to a Specific Certificate Authority

PATH PARAMETERS

caId

required

string

Onboard Certificate Authority id

REQUEST BODY SCHEMA: application/json

required

description

string

[ 0 .. 255 ] characters

The description identifier for this template.

name

required

string

[ 2 .. 255 ] characters

The name for the certificate template.

caType

required

string

Value: "ONBOARD"

Which CA signs the certificates from the template.

defaultAccess

boolean

Default RADIUS access response will either be accepted or rejected.

policySetId

string

The policy set that is assigned to this template.

onboard >

object (OnboardDto)

The configuration of the onboard CA.

chromebook >

object (ChromebookDto)

The configuration of the Chromebook.

keyLength

required

integer <int32>

Enum: 2048 3072 4096

The key length for certificates generated using this template.

algorithm

required

string (AlgorithmEnum)

Enum: "SHA\_1" "SHA\_256" "SHA\_384" "SHA\_512"

SHA-256 - The SHA-2 hash using 256 bits. SHA-384 - The SHA-2 hash using 384 bits. SHA-512 - The SHA-2 hash using 512 bits.

identityGroupId

required

string

The identity group id associated with the template.

Responses

- 202 Certificate Template created
- > 400 Invalid Certificate Template content

## Content type

application/json

Copy

Expand all

Collapse all

```
{
  "description": "string",
  "name": "string",
  "caType": "ONBOARD",
  "defaultAccess": true,
  "policySetId": "string",
  - "onboard": {
    "commonNamePattern": "string",
    "emailPattern": "string",
    "notAfterType": "SPECIFIED_DATE",
    "notAfterValue": 0,
    "notBeforeType": "SPECIFIED_DATE",
    "notBeforeValue": 0,
    "notAfterDate": "2019-08-24T14:15:22Z",
    "notBeforeDate": "2019-08-24T14:15:22Z",
    "organizationPattern": "string",
    "organizationUnitPattern": "string",
    "localityPattern": "string",
    "statePattern": "string",
    "countryPattern": "string",
    "certificateType": "CLIENT"
  },
  - "chromebook": {
    "apiKey": "string",
    "certRemovalType": "NONE",
    "enrollmentType": "USER",
    "notifyAppId": "string",
    "accountCredential": "string",
    "enabled": true
  },
  "keyLength": 2048,
  "algorithm": "SHA_1",
  "identityGroupId": "string"
}
```

## Response samples

202

400

## Content type

application/json

Copy

```
{
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"
}
```

Search for Templates Belonging to a Specific Certificate Authority That Match Search String in Paged Result

## PATH PARAMETERS

→ caId  
required

string  
Certificate Authority id

|                    |                              |
|--------------------|------------------------------|
| required           |                              |
| fields             | Array of strings             |
| page               | integer <int32>              |
| pageSize           | integer <int32>              |
| sortField          | string                       |
| sortOrder          | string<br>Enum: "ASC" "DESC" |
| searchTargetFields | Array of strings             |
| searchString       | string                       |
| filters >          | object (TemplateFilters)     |

Responses

> 200 Certificate Templates

POST /certificateAuthorities/{caId}/templates/query

Request samples

Payload

Content type  
application/json

Copy Expand all Collapse all

```
{
  "fields": [
    "string"
  ],
  "page": 0,
  "pageSize": 0,
  "sortField": "string",
  "sortOrder": "ASC",
  "searchTargetFields": [
    "string"
  ],
  "searchString": "string",
  "filters": {
    "caId": [ ... ],
    "networkId": "string"
  }
}
```

Response samples

200

Content type  
application/json

Copy Expand all Collapse all

```
{
  "fields": [
    "string"
  ],
  "totalCount": 0,
  "totalPages": 0,
  "page": 0,
  "data": [
    + { ... }
  ]
}
```

## Create New Sub Certificate Authority

### PATH PARAMETERS

caId

required

string

Root Certificate Authority id

REQUEST BODY SCHEMA:

application/json

required

|                  |          |                        |                                                                                   |                                                                                                                            |
|------------------|----------|------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| name             | required | string                 | [ 2 .. 255 ] characters                                                           | The name of this authority.                                                                                                |
| commonName       | required | string                 | [ 0 .. 64 ] characters ^[. \p{Alnum}\p{Space}~&; :\\\/\ ' ? \, \\${\} \. \ ( ...  | Show pattern<br>The common name of this authority.                                                                         |
| description      |          | string                 | [ 0 .. 255 ] characters                                                           | The description of this authority.                                                                                         |
| organization     |          | string                 | [ 0 .. 255 ] characters ^[. \p{Alnum}\p{Space}~&; :\\\/\ ' ? \, \\${\} \. \ ( ... | Show pattern<br>The organization for the certificate authority.                                                            |
| organizationUnit |          | string                 | [ 0 .. 255 ] characters ^[. \p{Alnum}\p{Space}~&; :\\\/\ ' ? \, \\${\} \. \ ( ... | Show pattern<br>The division of your organization responsible for the certificate authority.                               |
| email            |          | string                 | [ 0 .. 255 ] characters                                                           | The email address for the party responsible for the certificate authority.                                                 |
| startDate        | required | string <date-time>     |                                                                                   | The expires date of the certificate authority.                                                                             |
| expireDate       | required | string <date-time>     |                                                                                   | The expires date of the certificate authority.                                                                             |
| keyLength        | required | integer <int32>        | [ 2048 .. 4096 ]                                                                  | The key length for the certificate authority.                                                                              |
| algorithm        | required | string (AlgorithmEnum) | Enum: "SHA_1" "SHA_256" "SHA_384" "SHA_512"                                       | SHA-256 - The SHA-2 hash using 256 bits. SHA-384 - The SHA-2 hash using 384 bits. SHA-512 - The SHA-2 hash using 512 bits. |
| title            |          | string                 | [ 0 .. 255 ] characters ^[. \p{Alnum}\p{Space}~&; :\\\/\ ' ? \, \\${\} \. \ ( ... | Show pattern<br>The title for the certificate authority.                                                                   |
| locality         |          | string                 | [ 0 .. 255 ] characters ^[. \p{Alnum}\p{Space}~&; :\\\/\ ' ? \, \\${\} \. \ ( ... | Show pattern<br>The city where your organization is located.                                                               |
| state            |          | string                 | [ 0 .. 255 ] characters ^[. \p{Alnum}\p{Space}~&; :\\\/\ ' ? \, \\${\} \. \ ( ... | Show pattern<br>The state or region where your organization is located.                                                    |
| country          |          | string                 | [ 0 .. 255 ] characters ^[. \p{Alnum}\p{Space}~&; :\\\/\ ' ? \, \\${\} \. \ ( ... | Show pattern<br>The country where your organization is located.                                                            |

Responses

- 202 Certificate Authority created
- > 400 Invalid Certificate Authority content

POST /certificateAuthorities/{caId}/subCas

Request samples

Payload

Content type

application/json

Copy

```
{  "name": "string",  "commonName": "string",  "description": "string",  "organization": "string",  "organizationUnit": "string",  "email": "string",  "startDate": "2019-08-24T14:15:22Z",  "expireDate": "2019-08-24T14:15:22Z",  "keyLength": 2048,  "algorithm": "SHA_1",  "title": "string",  "locality": "string",  "state": "string",  "country": "string"}
```

Response samples

202

400

Content type

application/json

Copy

```
{  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"}
```

Search for Sub Certificate Authorities Matching Search String in Paged Result

| PATH PARAMETERS                       |                          |
|---------------------------------------|--------------------------|
| caId                                  | string                   |
| required                              | Certificate Authority id |
| REQUEST BODY SCHEMA: application/json |                          |
| required                              |                          |
| fields                                | Array of strings         |

|                    |                              |
|--------------------|------------------------------|
| page               | integer <int32>              |
| pageSize           | integer <int32>              |
| sortField          | string                       |
| sortOrder          | string<br>Enum: "ASC" "DESC" |
| searchTargetFields | Array of strings             |
| searchString       | string                       |
| filters >          | object (CaFilters)           |

Responses

> 200 Certificate Authorities

POST /certificateAuthorities/{caId}/subCas/query

Request samples

Payload

Content type  
application/json

Copy Expand all Collapse all

```
{
  - "fields": [
    "string"
  ],
  "page": 0,
  "pageSize": 0,
  "sortField": "string",
  "sortOrder": "ASC",
  - "searchTargetFields": [
    "string"
  ],
  "searchString": "string",
  - "filters": {
    "status": "INVALID"
  }
}
```

Response samples

200

Content type  
application/json

Copy Expand all Collapse all

```
{
  - "fields": [
    "string"
  ],
  "totalCount": 0,
  "totalPages": 0,
```

```
"page": 0,
- "data": [
  + { ... }
]
}
```

## Upload the Certificate Authority Private KEY

### PATH PARAMETERS

|                                     |                                                       |
|-------------------------------------|-------------------------------------------------------|
| <div>caId</div> <div>required</div> | <div>string</div> <div>Certificate Authority id</div> |
|-------------------------------------|-------------------------------------------------------|

### REQUEST BODY SCHEMA: multipart/form-data

|                                           |                                                                                                                                   |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <div>privateKey</div> <div>required</div> | <div>string &lt;binary&gt;</div> <div>Upload the private key of the certificate authority in PEM format.</div>                    |
| <div>password</div>                       | <div>string</div> <div>If upload private key is password-protected, specify the password. If not, leave the password blank.</div> |

### Responses

— 202 The upload request has been accepted and is in progress.

**POST** /certificateAuthorities/{caId}/privateKeys

### Response samples

202

Content type  
application/json

Copy

```
{
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"
}
```

## Delete the Certificate Authority Private KEY

### PATH PARAMETERS

|                                     |                                                       |
|-------------------------------------|-------------------------------------------------------|
| <div>caId</div> <div>required</div> | <div>string</div> <div>Certificate Authority id</div> |
|-------------------------------------|-------------------------------------------------------|

### Responses

— 202 The delete request has been accepted and is in progress.

**DELETE** /certificateAuthorities/{caId}/privateKeys

### Response samples

202

Content type

application/json

Copy

```
{  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"}
```

Search for Certificate Authorities Matching Search String in Paged Result

REQUEST BODY SCHEMA: application/json

required

|                    |                              |
|--------------------|------------------------------|
| fields             | Array of strings             |
| page               | integer <int32>              |
| pageSize           | integer <int32>              |
| sortField          | string                       |
| sortOrder          | string<br>Enum: "ASC" "DESC" |
| searchTargetFields | Array of strings             |
| searchString       | string                       |
| filters >          | object (CaFilters)           |

Responses

> 200 Certificate Authorities

POST /certificateAuthorities/query

Request samples

Payload

Content type

application/json

CopyExpand allCollapse all

```
{  - "fields": [    - "string"  ],  "page": 0,  "pageSize": 0,  "sortField": "string",  "sortOrder": "ASC",  - "searchTargetFields": [    - "string"  ],  "searchString": "string",  - "filters": {    "status": "INVALID"  }}
```

Response samples

200

Content type  
application/json

Copy Expand all Collapse all

```
{
  - "fields": [
    "string"
  ],
  "totalCount": 0,
  "totalPages": 0,
  "page": 0,
  - "data": [
    + { ... }
  ]
}
```

Get Certificate Authorities Associated with RADIUS

PATH PARAMETERS

radiusProfileId string  
required Radius id

QUERY PARAMETERS

pageable > object (Pageable)  
required parameters for paging

Responses

> 200 Certificate Authority

GET /radiusProfiles/{radiusProfileId}/certificateAuthorities

Response samples

200

Content type  
application/json

Copy Expand all Collapse all

```
{
  "id": "string",
  "name": "string",
  "commonName": "string",
  "description": "string",
  "organization": "string",
  "organizationUnit": "string",
  "email": "string",
  "startDate": "2019-08-24T14:15:22Z",
  "expireDate": "2019-08-24T14:15:22Z",
  "keyLength": 2048,
  "algorithm": "SHA-1"
```

```
    "algorithm": "SHA_1",
    "title": "string",
    "locality": "string",
    "state": "string",
    "country": "string",
    "publicKeyBase64": "string",
    "privateKeyBase64": "string",
    "publicKeyShaThumbprint": "string",
    "serialNumber": "string",
  - "usages": [
      "SERVER_AUTH"
    ],
    "templateCount": 0,
  - "templateNames": [
      "string"
    ],
    "ocspName": "string",
    "ocspHash": "string",
  - "keyUsages": [
      "DIGITAL_SIGNATURE"
    ],
    "chain": "string",
    "details": "string",
  - "status": [
      "INVALID"
    ]
  }
}
```

## Download the Certificate Chain of Certificate Authority

### PATH PARAMETERS

|          |                |
|----------|----------------|
| → caId   | string         |
| required | Certificate id |

### Responses

— 200 Downloaded chain

GET /certificateAuthorities/{caId}/chains

## Server and Client Certificate

APIs for Server and Client Certificate Management.

### Get Specific Certificate

### PATH PARAMETERS

|          |                |
|----------|----------------|
| → certId | string         |
| required | Certificate id |

### Responses

> 200 Certificate

> 404 Certificate not found

GET

/certificates/{certId}

▼

Response samples

200

404

Content type

application/x-pem-file

▼

No sample

## Download the Private KEY of Certificate

PATH PARAMETERS

→ certId

string

required

Certificate id

REQUEST BODY SCHEMA: application/json

required

→ password

string

The password to use to encrypt the private key. If encryption is not required, please leave it blank.

→ includeChain

boolean

### Responses

— 200 Downloaded private key of CA

POST

/certificates/{certId}

▼

Request samples

Payload

Content type

application/json

▼

Copy

```
{
  "password": "string",
  "includeChain": true
}
```

## Delete a Certificate

PATH PARAMETERS

→ certId

string

required

Certificate id

### Responses

— 202 The delete request has been accepted and is in progress.

> **404** Certificate not found

> **409** Certificate cannot be deleted because it is currently in use

**DELETE** /certificates/{certId}

Response samples

202

404

409

Content type

application/json

Copy

```
{
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"
}
```

Update the Certificate

PATH PARAMETERS

certId string  
required Certificate id

REQUEST BODY SCHEMA: application/json  
required

|                  |                                                                                                                                          |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| name             | string [ 2 .. 255 ] characters<br>The name for the certificate.                                                                          |
| revocationReason | string [ 0 .. 255 ] characters<br>The reason for revocation of passphrase. If not revoked, this field should be null.                    |
| description      | string [ 0 .. 255 ] characters<br>The description of this certificate.                                                                   |
| notAfterDate     | string <date-time><br>The expiration date for the renewed certificate. The start date for the validity period will also be set to today. |

Responses

— **202** The update request has been accepted and is in progress.

**PATCH** /certificates/{certId}

Request samples

Payload

Content type

application/json

Copy

```
{
  "name": "string",
  "revocationReason": "string",
  "description": "string",
  "notAfterDate": "2019-08-24T14:15:22Z"
}
```

Response samples

202

Content type

application/json

Copy

```
{
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"
}
```

Search for Certificates Matching Search String in Paged Result

REQUEST BODY SCHEMA: application/json ▼  
required

|                    |                              |
|--------------------|------------------------------|
| fields             | Array of strings             |
| page               | integer <int32>              |
| pageSize           | integer <int32>              |
| sortField          | string                       |
| sortOrder          | string<br>Enum: "ASC" "DESC" |
| searchTargetFields | Array of strings             |
| searchString       | string                       |
| filters >          | object (CertFilters)         |

Responses

> 200 Certificate

POST /certificates/query

Request samples

Payload

Content type

application/json

Copy Expand all Collapse all

```
{
  - "fields": [
    "string"
  ],
  "page": 0,
  "pageSize": 0,
  "sortField": "string",
  "sortOrder": "ASC",
  - "searchTargetFields": [
    "string"
  ]
}
```

```
    },
    "searchString": "string",
  - "filters": {
      "status": "INVALID",
      + "extendedKeyUsages": [ ... ],
      + "keyUsages": [ ... ]
    }
  }
}
```

## Response samples

200

Content type  
application/json

Copy Expand all Collapse all

```
{
  - "fields": [
      "string"
    ],
  "totalCount": 0,
  "totalPages": 0,
  "page": 0,
  - "data": [
      + { ... }
    ]
}
```

## Upload the Certificate

REQUEST BODY SCHEMA: multipart/form-data

|                             |                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------|
| certificateFile<br>required | string <binary><br>The certificate in P12, DER or PEM format be uploaded.                                            |
| privateKeyFile              | string <binary><br>The private key in PEM format be uploaded.                                                        |
| password                    | string<br>If private key or key store is password-protected, specify the password. If not, leave the password blank. |
| name<br>required            | string<br>The name for the certificate.                                                                              |

## Responses

— 202 The upload request has been accepted and is in progress.

POST /certificates

## Response samples

202

Content type  
application/json

Copy

```
{
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"
}
```

# Search for Certificates Issued by Specific Certificate Authority Matching Search String in Paged Result

## PATH PARAMETERS

caId

required

string

Certificate Authority id

## REQUEST BODY SCHEMA: application/json

required

|                    |                              |
|--------------------|------------------------------|
| fields             | Array of strings             |
| page               | integer <int32>              |
| pageSize           | integer <int32>              |
| sortField          | string                       |
| sortOrder          | string<br>Enum: "ASC" "DESC" |
| searchTargetFields | Array of strings             |
| searchString       | string                       |
| filters >          | object (CertFilters)         |

## Responses

> 200 Server or Client Certificate

POST /certificateAuthorities/{caId}/certificates/query

### Request samples

Payload

Content type  
application/json

Copy Expand all Collapse all

```
{
  - "fields": [
    "string"
  ],
  "page": 0,
  "pageSize": 0,
  "sortField": "string",
  "sortOrder": "ASC",
  - "searchTargetFields": [
    "string"
  ],
  "searchString": "string",
  - "filters": {
    "status": "INVALID",
```

```
+ "extendedKeyUsages": [ ... ],
+ "keyUsages": [ ... ]
}
}
```

Response samples

200

Content type

application/json

Copy Expand all Collapse all

```
{
  - "fields": [
    "string"
  ],
  "totalCount": 0,
  "totalPages": 0,
  "page": 0,
  - "data": [
    + { ... }
  ]
}
```

Create Certificate

PATH PARAMETERS

caId string  
required Certificate Authority id

REQUEST BODY SCHEMA: application/json  
required

|                           |                                                                                                                                                         |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| name<br>required          | string [ 2 .. 255 ] characters<br>The name of the certificate.                                                                                          |
| commonName                | string [ 0 .. 255 ] characters ^[.\\p{Alnum}\\p{Space}~&;:\\\\\\/\\'\\?\\,\\\$\\{\\}\\}\\.(... Show pattern<br>The common name of the certificate.      |
| notBeforeDate<br>required | string <date-time><br>The start date of the certificate.                                                                                                |
| notAfterDate<br>required  | string <date-time><br>The expires date of the certificate.                                                                                              |
| email                     | string [ 0 .. 255 ] characters ^[\\w!#\$%&'*/+=?`{ }~^-]+(?:\\. [\\w!#\$%&'*/+=?`{ }~^-]+... Show pattern<br>The email of the certificate.              |
| title                     | string [ 0 .. 255 ] characters ^[.\\p{Alnum}\\p{Space}~&;:\\\\\\/\\'\\?\\,\\\$\\{\\}\\}\\.(... Show pattern<br>The title for the certificate authority. |
| revocationReason          | string<br>Reason for revocation of certificate.                                                                                                         |
| organization              | string [ 0 .. 255 ] characters ^[.\\p{Alnum}\\p{Space}~&;:\\\\\\/\\'\\?\\,\\\$\\{\\}\\}\\.(... Show pattern<br>The organization of the certificate.     |
| keyLength<br>required     | integer <int32> [ 2048 .. 4096 ]<br>The length of the key.                                                                                              |

|                                    |                                                                                                                                                                                                     |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| locality                           | string [0..255] characters ^[.\p{Alnum}\p{Space}~&;:\\/\''?\\,\\$\{\}\.\\.(\... Show pattern<br>The locality included in the certificate.                                                           |
| state                              | string [0..255] characters ^[.\p{Alnum}\p{Space}~&;:\\/\''?\\,\\$\{\}\.\\.(\... Show pattern<br>The state included in the certificate.                                                              |
| country                            | string [0..255] characters ^[.\p{Alnum}\p{Space}~&;:\\/\''?\\,\\$\{\}\.\\.(\... Show pattern<br>The country included in the certificate.                                                            |
| organizationUnit                   | string [0..255] characters ^[.\p{Alnum}\p{Space}~&;:\\/\''?\\,\\$\{\}\.\\.(\... Show pattern<br>The organization unit of the certificate.                                                           |
| keyUsages                          | Array of strings<br>Items Enum: "DIGITAL_SIGNATURE" "KEY_ENCIPHERMENT"<br>The key usages of the certificate.                                                                                        |
| description                        | string<br>The description of the certificate.                                                                                                                                                       |
| algorithm<br><span>required</span> | string (AlgorithmEnum)<br>Enum: "SHA_1" "SHA_256" "SHA_384" "SHA_512"<br>SHA-256 - The SHA-2 hash using 256 bits. SHA-384 - The SHA-2 hash using 384 bits. SHA-512 - The SHA-2 hash using 512 bits. |
| csrString                          | string<br>The certificate signing request that should be signed by the CA.                                                                                                                          |
| extendedKeyUsages                  | Array of strings<br>Items Enum: "SERVER_AUTH" "CLIENT_AUTH"<br>The extended key usage of the certificate.                                                                                           |

## Responses

— 202 Certificate created

> **400** Invalid Certificate content

```
POST /certificateAuthorities/{caId}/certificates
```

## Request samples

## Payload

### Content type

```
application/json
```

Copy    Expand all    Collapse all

```
{
  "name": "string",
  "commonName": "string",
  "notBeforeDate": "2019-08-24T14:15:22Z",
  "notAfterDate": "2019-08-24T14:15:22Z",
  "email": "string",
  "title": "string",
  "revocationReason": "string",
  "organization": "string",
  "keyLength": 2048,
  "locality": "string",
  "state": "string",
  "country": "string",
  "organizationUnit": "string",
```

```
- "keyUsages": [  
  "DIGITAL_SIGNATURE"  
],  
"description": "string",  
"algorithm": "SHA_1",  
"csrString": "string",  
- "extendedKeyUsages": [  
  "SERVER_AUTH"  
]  
}
```

## Response samples

202

400

Content type  
application/json

Copy

```
{  
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"  
}
```

## Download Certificate Chain

### PATH PARAMETERS

→ certId  
required string  
Certificate id

## Responses

— 200 Downloaded certificate in chain.

GET /certificates/{certId}/chains

## Get Certificates Associated with RADIUS

### PATH PARAMETERS

→ radiusProfileId  
required string  
Radius id

### QUERY PARAMETERS

→ certType  
required string  
Enum: "SERVER" "CLIENT"

→ pageable >  
required object (Pageable)  
parameters for paging

## Responses

> 200 Certificate

GET /radiusProfiles/{radiusProfileId}/certificates

Response samples

200

Content type  
application/json

Copy Expand all Collapse all

```
{
  "id": "string",
  "name": "string",
  "commonName": "string",
  "createDate": "2019-08-24T14:15:22Z",
  "notBeforeDate": "2019-08-24T14:15:22Z",
  "notAfterDate": "2019-08-24T14:15:22Z",
  "email": "string",
  "title": "string",
  "revocationDate": "2019-08-24T14:15:22Z",
  "revocationReason": "string",
  "serialNumber": "string",
  "shaThumbprint": "string",
  "publicKeyBase64": "string",
  "organization": "string",
  "keyLength": 2048,
  "certificateAuthorityName": "string",
  "locality": "string",
  "state": "string",
  "country": "string",
  "organizationUnit": "string",
  "keyUsages": [
    "DIGITAL_SIGNATURE"
  ],
  "privateKeyBase64": "string",
  "chain": "string",
  "details": "string",
  "description": "string",
  "algorithm": "SHA_1",
  "status": [
    "INVALID"
  ],
  "extendedKeyUsages": [
    "SERVER_AUTH"
  ]
}
```

Device Certificate

APIs for Device Certificate Management.

Generate Certificate to a Specific Identity

PATH PARAMETERS

|                        |        |
|------------------------|--------|
| templateId<br>required | string |
| identityId<br>required | string |

|                  |                                                                                                                                                  |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| required         |                                                                                                                                                  |
| csrString        | string<br>The certificate signing request that should be signed by the CA.                                                                       |
| userName         | string [ 2 .. 255 ] characters<br>The certificate template contains the variable. The value specified here will be used to replace the variable. |
| description      | string [ 0 .. 255 ] characters<br>Description of the item for reference.                                                                         |
| variableValues > | object<br>The values in this map will be used to replace the variables in the generated certificate.                                             |

Responses

- 202 Certificate generated
- > 400 Invalid certificate data

POST /certificateTemplates/{templateId}/identities/{identityId}/certificates

Request samples

Payload

Content type

application/json

Copy

Expand all

Collapse all

```
{  "csrString": "string",  "userName": "string",  "description": "string",  "variableValues": {    "property1": "string",    "property2": "string"  }}
```

Response samples

202

400

Content type

application/json

Copy

```
{  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"}
```

Search for Certificates Associated with Identity in Paged Result

PATH PARAMETERS

|            |                         |
|------------|-------------------------|
| templateId | string                  |
| required   | Certificate template id |

|                                         |                              |
|-----------------------------------------|------------------------------|
| identityId<br>required                  | string<br>Identity id        |
| REQUEST BODY SCHEMA: application/json ▾ |                              |
| required                                |                              |
| fields                                  | Array of strings             |
| page                                    | integer <int32>              |
| pageSize                                | integer <int32>              |
| sortField                               | string                       |
| sortOrder                               | string<br>Enum: "ASC" "DESC" |
| searchTargetFields                      | Array of strings             |
| searchString                            | string                       |
| filters >                               | object (DeviceCertFilters)   |

Responses

> 200 Certificates

POST /certificateTemplates/{templateId}/identities/{identityId}/certificates/query ▾

Request samples

Payload

Content type  
application/json ▾

Copy Expand all Collapse all

```
{
  "fields": [
    "string"
  ],
  "page": 0,
  "pageSize": 0,
  "sortField": "string",
  "sortOrder": "ASC",
  "searchTargetFields": [
    "string"
  ],
  "searchString": "string",
  "filters": {
    "status": "INVALID"
  }
}
```

Response samples

200

Content type  
application/json ▾

CopyExpand allCollapse all

```
{
  - "fields": [
    "string"
  ],
  "totalCount": 0,
  "totalPages": 0,
  "page": 0,
  - "data": [
    + { ... }
  ]
}
```

## Generate Certificate

### PATH PARAMETERS

|                                           |        |
|-------------------------------------------|--------|
| <div>templateId</div> <div>required</div> | string |
|-------------------------------------------|--------|

REQUEST BODY SCHEMA: application/json 

required

|                                |                                                                                                                                                                     |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>csrString</div>           | <div>string</div> <div>The certificate signing request that should be signed by the CA.</div>                                                                       |
| <div>userName</div>            | <div>string [ 2 .. 255 ] characters</div> <div>The certificate template contains the variable. The value specified here will be used to replace the variable.</div> |
| <div>description</div>         | <div>string [ 0 .. 255 ] characters</div> <div>Description of the item for reference.</div>                                                                         |
| <div>variableValues &gt;</div> | <div>object</div> <div>The values in this map will be used to replace the variables in the generated certificate.</div>                                             |

### Responses

- 202

Certificate generated
- > 400

Invalid certificate data

POST /certificateTemplates/{templateId}/certificates

Request samples

Payload

Content type

application/json

CopyExpand allCollapse all

```
{
  "csrString": "string",
  "userName": "string",
  "description": "string",
  - "variableValues": {
    "property1": "string",
    "property2": "string"
  }
}
```

Response samples

202 400

Content type  
application/json

Copy

```
{
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"
}
```

Get Specific Certificate

PATH PARAMETERS

|                        |                                   |
|------------------------|-----------------------------------|
| certId<br>required     | string<br>Certificate id          |
| templateId<br>required | string<br>Certificate template id |

QUERY PARAMETERS

|              |                                                                                                                        |
|--------------|------------------------------------------------------------------------------------------------------------------------|
| password     | string<br>Default: ""<br>The password to use to encrypt the private key. To leave private key unencrypted, leave blank |
| includeChain | boolean<br>Default: true                                                                                               |

Responses

- > 200 Certificate
- > 404 Certificate not found

GET /certificateTemplates/{templateId}/certificates/{certId}

Response samples

200 404

Content type  
application/x-x509-ca-cert

No sample

Download the Private KEY of Certificate

PATH PARAMETERS

|                        |                                   |
|------------------------|-----------------------------------|
| certId<br>required     | string<br>Certificate id          |
| templateId<br>required | string<br>Certificate template id |

REQUEST BODY SCHEMA: application/json

required

|              |                                                                                                       |
|--------------|-------------------------------------------------------------------------------------------------------|
| password     | string                                                                                                |
|              | The password to use to encrypt the private key. If encryption is not required, please leave it blank. |
| includeChain | boolean                                                                                               |

Responses

— 200 Downloaded private key of issued certificate.

POST /certificateTemplates/{templateId}/certificates/{certId}

Request samples

Payload

Content type

application/json

Copy

```
{  "password": "string",  "includeChain": true}
```

Update the Certificate

PATH PARAMETERS

|            |                         |
|------------|-------------------------|
| templateId | string                  |
| required   | Certificate Template id |
| certId     | string                  |
| required   | Certificate id          |

REQUEST BODY SCHEMA: application/json

required

|                  |                                                                                      |
|------------------|--------------------------------------------------------------------------------------|
| revocationReason | string [ 0 .. 255 ] characters                                                       |
|                  | The reason for revocation of certificate. If not revoked, this field should be null. |

Responses

— 202 The update request has been accepted and is in progress.

PATCH /certificateTemplates/{templateId}/certificates/{certId}

Request samples

Payload

Content type

application/json

Copy

```
{  "revocationReason": "string"}
```

```
{
  "revocationReason": "string"
}
```

Response samples

202

Content type  
application/json

Copy

```
{
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"
}
```

Search for Certificates in Specific Template Matching Search String in Paged Result

PATH PARAMETERS

templateId string  
required

REQUEST BODY SCHEMA: application/json  
required

|                    |                              |
|--------------------|------------------------------|
| fields             | Array of strings             |
| page               | integer <int32>              |
| pageSize           | integer <int32>              |
| sortField          | string                       |
| sortOrder          | string<br>Enum: "ASC" "DESC" |
| searchTargetFields | Array of strings             |
| searchString       | string                       |
| filters >          | object (DeviceCertFilters)   |

Responses

> 200 Certificates

POST /certificateTemplates/{templateId}/certificates/query

Request samples

Payload

Content type  
application/json

Copy Expand all Collapse all

```
{
  "fields": [
    "string"
  ]
}
```

```
},
"page": 0,
"pageSize": 0,
"sortField": "string",
"sortOrder": "ASC",
- "searchTargetFields": [
    "string"
],
"searchString": "string",
- "filters": {
    "status": "INVALID"
}
}
```

Response samples

200

Content type  
application/json

Copy Expand all Collapse all

```
{
  - "fields": [
    "string"
  ],
  "totalCount": 0,
  "totalPages": 0,
  "page": 0,
  - "data": [
    + { ... }
  ]
}
```

Search for Certificates Matching Search String in Paged Result

REQUEST BODY SCHEMA: application/json 

required

|                    |                              |
|--------------------|------------------------------|
| fields             | Array of strings             |
| page               | integer <int32>              |
| pageSize           | integer <int32>              |
| sortField          | string                       |
| sortOrder          | string<br>Enum: "ASC" "DESC" |
| searchTargetFields | Array of strings             |
| searchString       | string                       |
| filters >          | object (DeviceCertFilters)   |

Responses

> 200 Certificates

Request samples

Payload

Content type  
application/json

Copy Expand all Collapse all

```
{
  - "fields": [
    "string"
  ],
  "page": 0,
  "pageSize": 0,
  "sortField": "string",
  "sortOrder": "ASC",
  - "searchTargetFields": [
    "string"
  ],
  "searchString": "string",
  - "filters": {
    "status": "INVALID"
  }
}
```

Response samples

200

Content type  
application/json

Copy Expand all Collapse all

```
{
  - "fields": [
    "string"
  ],
  "totalCount": 0,
  "totalPages": 0,
  "page": 0,
  - "data": [
    + { ... }
  ]
}
```

Download Issued Certificate Chain

PATH PARAMETERS

|            |                         |
|------------|-------------------------|
| certId     | string                  |
| required   | Certificate id          |
| templateId | string                  |
| required   | Certificate template id |

Responses

— 200 Downloaded certificate in chain.

GET /certificateTemplates/{templateId}/certificates/{certId}/chains

Certificate Template

APIs for Certificate Template Management.

Update Policy Set for a Template

PATH PARAMETERS

|             |               |
|-------------|---------------|
| templateId  | string        |
| required    | Template id   |
| policySetId | string        |
| required    | Policy set id |

Responses

— 202 The update request has been accepted and is in progress

PUT /certificateTemplates/{templateId}/policySets/{policySetId}

Response samples

202

Content type

application/json

Copy

```
{
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"
}
```

Remove Policy Set from a Template

PATH PARAMETERS

|             |               |
|-------------|---------------|
| templateId  | string        |
| required    | Template id   |
| policySetId | string        |
| required    | Policy set id |

Responses

— 202 The update request has been accepted and is in progress

DELETE /certificateTemplates/{templateId}/policySets/{policySetId}

Response samples

Content type  
application/json

Copy

```
{
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"
}
```

# Get Simple Certificate Enrollment Protocol of Template

## PATH PARAMETERS

templateId string  
Certificate template id

## QUERY PARAMETERS

page integer  
Default: 0  
Zero-based page index (0..N)

size integer  
Default: 20  
The size of the page to be returned

sort Array of strings  
Sorting criteria in the format: property,(asc|desc). Default sort order is ascending. Multiple sort criteria are supported.

## Responses

> 200 SCEP Keys

GET /certificateTemplates/{templateId}/scepKeys

## Response samples

200

Content type  
application/json

Copy Expand all Collapse all

```
{
  "totalPages": 0,
  "totalElements": 0,
  "size": 0,
  "content": [
    { }
  ],
  "number": 0,
  "sort": {
    "empty": true,
    "sorted": true,
    "unsorted": true
  },
  "pageable": {
    "offset": 0,
```

```
+ "sort": { ... },
"paged": true,
"pageNumber": 0,
"pageSize": 0,
"unpaged": true
},
"first": true,
"last": true,
"numberOfElements": 0,
"empty": true
}
```

# Create Simple Certificate Enrollment Protocol for Template

## PATH PARAMETERS

templateId

required

string

Certificate template id

REQUEST BODY SCHEMA:

application/json

required

|                            |                                                                                                                                                                                                                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| description                | string [ 0 .. 255 ] characters<br>Description of the item for reference.                                                                                                                                                                                                                                                   |
| enabled                    | boolean<br>Indicates whether this key should be used.                                                                                                                                                                                                                                                                      |
| name<br>required           | string [ 2 .. 255 ] characters<br>The reference name of the item.                                                                                                                                                                                                                                                          |
| allowedSubnets             | string<br>If populated, only the IPs or subnets specified will be allowed to utilize the simple certificate enrollment protocol server using this key.                                                                                                                                                                     |
| blockedSubnets             | string<br>If populated, the IPs or subnets specified will be blocked from utilizing the simple certificate enrollment protocol server using this key.                                                                                                                                                                      |
| challengePassword          | string [ 4 .. 255 ] characters<br>If checked, the client will need to provide this password during the exchange.                                                                                                                                                                                                           |
| expirationDate<br>required | string <date-time><br>The expire date for the key.                                                                                                                                                                                                                                                                         |
| overrideDays               | integer <int32> [ 0 .. 365 ]<br>If greater than 0, this overrides the expiration date in the certificate template for certificates generated using this key.                                                                                                                                                               |
| scepKey                    | string<br>The shared secret used as the key within the URL.                                                                                                                                                                                                                                                                |
| cnValue1<br>required       | string<br>Enum: "IGNORE" "MAC_ADDRESS" "USERNAME" "DEVICE_NAME" "EMAIL" "LOCATION"<br>The certificate signing requests created as part of the simple certificate enrollment protocol interaction will contain one or more common name values. The system will treat the first common name as the type of value specified.  |
| cnValue2<br>required       | string<br>Enum: "IGNORE" "MAC_ADDRESS" "USERNAME" "DEVICE_NAME" "EMAIL" "LOCATION"<br>The certificate signing requests created as part of the simple certificate enrollment protocol interaction will contain one or more common name values. The system will treat the second common name as the type of value specified. |
| cnValue3                   | string                                                                                                                                                                                                                                                                                                                     |

|                                                 |                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>required</b>                                 | Enum: "IGNORE" "MAC_ADDRESS" "USERNAME" "DEVICE_NAME" "EMAIL" "LOCATION"<br>The certificate signing requests created as part of the simple certificate enrollment protocol interaction will contain one or more common name values. The system will treat the third common name as the type of value specified. |
| <b>challengePasswordType</b><br><b>required</b> | string<br>Enum: "NONE" "STATIC" "MICROSOFT_INTUNE"<br>Optionally specify a challenge password which must be provided by the client during the simple certificate enrollment protocol key exchange.                                                                                                              |
| <b>intuneTenantId</b>                           | string<br>The azure tenant ID from the azure configuration portal.                                                                                                                                                                                                                                              |
| <b>azureApplicationId</b>                       | string<br>The azure application client ID from the azure configuration portal.                                                                                                                                                                                                                                  |
| <b>azureApplicationKey</b>                      | string<br>The azure application key and client secret configured in the azure configuration portal.                                                                                                                                                                                                             |

Responses

- 202 SCEP Key created
- > 400 Invalid SCEP Key content

POST /certificateTemplates/{templateId}/scepKeys

Request samples

Payload

Content type

application/json

Copy

```
{
  "description": "string",
  "enabled": true,
  "name": "string",
  "allowedSubnets": "string",
  "blockedSubnets": "string",
  "challengePassword": "string",
  "expirationDate": "2019-08-24T14:15:22Z",
  "overrideDays": 365,
  "scepKey": "string",
  "cnValue1": "IGNORE",
  "cnValue2": "IGNORE",
  "cnValue3": "IGNORE",
  "challengePasswordType": "NONE",
  "intuneTenantId": "string",
  "azureApplicationId": "string",
  "azureApplicationKey": "string"
}
```

Response samples

202

400

Content type

application/json

```
{
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"
}
```

# Get Notifications of Template

## PATH PARAMETERS

templateId

required

string

Certificate template id

## QUERY PARAMETERS

page

integer

>= 0

Default: 0

Zero-based page index (0..N)

size

integer

>= 1

Default: 20

The size of the page to be returned

sort

Array of strings

Sorting criteria in the format: property,(asc|desc). Default sort order is ascending. Multiple sort criteria are supported.

## Responses

> 200 Notifications

GET /certificateTemplates/{templateId}/notifications

### Response samples

200

Content type  
application/json

Copy Expand all Collapse all

```
{
  "totalPages": 0,
  "totalElements": 0,
  "size": 0,
  "content": [
    { }
  ],
  "number": 0,
  "sort": {
    "empty": true,
    "sorted": true,
    "unsorted": true
  },
  "pageable": {
    "offset": 0,
    "sort": { ... },
    "paged": true,
    "pageNumber": 0,
    "pageSize": 0
  }
}
```

```
    "pageSize": 0,  
    "unpaged": true  
  },  
  "first": true,  
  "last": true,  
  "numberOfElements": 0,  
  "empty": true  
}
```

## Create Notification for Template

### PATH PARAMETERS

 **templateId** string  
**required**

REQUEST BODY SCHEMA: application/json   
**required**

|                                                                                                                  |                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>dateValue</b>                | string<br>The number of hours/days/months/etc to be offset from the event date when calculating when to send the notification.                                              |
|  <b>emailSubject</b>             | string <b>[ 0 .. 255 ] characters</b><br>The subject of the email to be sent for this notification.                                                                         |
|  <b>email</b>                    | string <b>[ 0 .. 255 ] characters</b> <code>^\w!#\$%&amp;'*/+=?`{ }~^-]+(?:\. \w!#\$%&amp;'*/+=?`{... Show pattern</code><br>Indicates whether this package should be used. |
|  <b>emailTemplate</b>           | string <b>[ 0 .. 255 ] characters</b><br>The message of the email to be sent for this notification.                                                                         |
|  <b>notificationEvent</b>      | string<br>Enum: "ON_ISSUANCE" "ON_REVOCATION" "ON_EXPIRATION" "ON_REVOKED_USE"<br>The event upon which to base the sending of the notification.                             |
|  <b>notificationMethod</b>     | string<br>Enum: "EMAIL_ELSE_SMS" "SMS_ELSE_EMAIL" "EMAIL_AND_SMS" "EMAIL_ONLY" "SMS_ONLY"<br>"EMAIL_ADMINISTRATOR"<br>The method(s) to use to notify the user.              |
|  <b>notificationMethodData</b> | string<br>The data of to use to notify the user.                                                                                                                            |
|  <b>smsSubject</b>             | string <b>[ 0 .. 255 ] characters</b><br>The subject of the SMS to be sent for this notification.                                                                           |
|  <b>smsTemplate</b>            | string <b>[ 0 .. 255 ] characters</b><br>The message of the email to be sent for this notification.                                                                         |
|  <b>staticDerivedDateType</b>  | string<br>The basis for calculating the date to send the notification.                                                                                                      |

### Responses

-  **202** Notification created
-  **400** Invalid Notification content

**POST** /certificateTemplates/{templateId}/notifications 

### Request samples

## Content type

application/json

Copy

```
{
  "dateValue": "string",
  "emailSubject": "string",
  "email": "string",
  "emailTemplate": "string",
  "notificationEvent": "ON_ISSUANCE",
  "notificationMethod": "EMAIL_ELSE_SMS",
  "notificationMethodData": "string",
  "smsSubject": "string",
  "smsTemplate": "string",
  "staticDerivedDateType": "string"
}
```

## Response samples

202

400

## Content type

application/json

Copy

```
{
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"
}
```

## Get Microsoft Software Installer Packages of Template

## PATH PARAMETERS

templateId  
required string  
Certificate template id

## QUERY PARAMETERS

page integer **>= 0**  
Default: 0  
Zero-based page index (0..N)

size integer **>= 1**  
Default: 20  
The size of the page to be returned

sort Array of strings  
Sorting criteria in the format: property,(asc|desc). Default sort order is ascending. Multiple sort criteria are supported.

## Responses

&gt; 200 MSI Packages

GET /certificateTemplates/{templateId}/msiPackages

Response samples

200

Content type

application/json

Copy Expand all Collapse all

```
{
  "totalPages": 0,
  "totalElements": 0,
  "size": 0,
  "content": [
    { }
  ],
  "number": 0,
  "sort": {
    "empty": true,
    "sorted": true,
    "unsorted": true
  },
  "pageable": {
    "offset": 0,
    "sort": { ... },
    "paged": true,
    "pageNumber": 0,
    "pageSize": 0,
    "unpaged": true
  },
  "first": true,
  "last": true,
  "numberOfElements": 0,
  "empty": true
}
```

Create Microsoft Software Installer Package for Template

PATH PARAMETERS

templateId string required

REQUEST BODY SCHEMA: application/json required

|                |                                                                                                                                                  |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| description    | string [ 0 .. 255 ] characters<br>Description of the package.                                                                                    |
| enabled        | boolean<br>Indicates whether this package should be used.                                                                                        |
| name           | string [ 2 .. 255 ] characters<br>The unique reference name of the package.                                                                      |
| allowedSubnets | string<br>If populated, only the IP addresses or subnets specified are allowed to use this package.                                              |
| blockedSubnets | string<br>If populated, the IP addresses or subnets specified are blocked from using this package. Blocked subnets override the allowed subnets. |
| expirationDate | string <date-time>                                                                                                                               |

|                                           |                                                                                                                                       |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>required</b>                           | The expire date for this package.                                                                                                     |
| productId                                 | string<br>The product ID for the package.                                                                                             |
| productName<br><b>required</b>            | string [ 2 .. 255 ] characters<br>The product name for the package.                                                                   |
| profileType<br><b>required</b>            | string<br>Enum: "USER_TYPE" "MACHINE_TYPE"<br>The profile type for the package.                                                       |
| usernameVariableSource<br><b>required</b> | string<br>Enum: "COMPUTER_NAME" "CURRENT_USER"<br>Determines where the variable (usable in the certificate template) is derived from. |

Responses

— 202 MSI Package created

> 400 Invalid MSI Package content

POST /certificateTemplates/{templateId}/msiPackages

Request samples

Payload

Content type

application/json

Copy

```
{
  "description": "string",
  "enabled": true,
  "name": "string",
  "allowedSubnets": "string",
  "blockedSubnets": "string",
  "expirationDate": "2019-08-24T14:15:22Z",
  "productId": "string",
  "productName": "string",
  "profileType": "USER_TYPE",
  "usernameVariableSource": "COMPUTER_NAME"
}
```

Response samples

202400

Content type

application/json

Copy

```
{
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"
}
```

|                    |                              |
|--------------------|------------------------------|
| required           |                              |
| fields             | Array of strings             |
| page               | integer <int32>              |
| pageSize           | integer <int32>              |
| sortField          | string                       |
| sortOrder          | string<br>Enum: "ASC" "DESC" |
| searchTargetFields | Array of strings             |
| searchString       | string                       |
| filters >          | object (TemplateFilters)     |

Responses

> 200 Certificate Templates

POST /certificateTemplates/query

Request samples

Payload

Content type

application/json

Copy Expand all Collapse all

```
{
  "fields": [
    "string"
  ],
  "page": 0,
  "pageSize": 0,
  "sortField": "string",
  "sortOrder": "ASC",
  "searchTargetFields": [
    "string"
  ],
  "searchString": "string",
  "filters": {
    "caId": [ ... ],
    "networkId": "string"
  }
}
```

Response samples

200

Content type

application/json

Copy Expand all Collapse all

```
{
  - "fields": [
    "string"
  ],
  "totalCount": 0,
  "totalPages": 0,
  "page": 0,
  - "data": [
    + { ... }
  ]
}
```

## Get Specific Certificate Template

### PATH PARAMETERS

→

templateId

required

string  
Certificate template id

### Responses

> 200 Certificate Template

> 404 Certificate Template not found

GET /certificateTemplates/{templateId}

### Response samples

200

404

#### Content type

application/json

Copy Expand all Collapse all

```
{
  "id": "string",
  "description": "string",
  "name": "string",
  "caType": "ONBOARD",
  "defaultAccess": true,
  "policySetId": "string",
  - "onboard": {
    "commonNamePattern": "string",
    "emailPattern": "string",
    "notAfterType": "SPECIFIED_DATE",
    "notAfterValue": 0,
    "notBeforeType": "SPECIFIED_DATE",
    "notBeforeValue": 0,
    "notAfterDate": "2019-08-24T14:15:22Z",
    "notBeforeDate": "2019-08-24T14:15:22Z",
    "organizationPattern": "string",
    "organizationUnitPattern": "string",
    "localityPattern": "string",
    "statePattern": "string",
    "countryPattern": "string",
    "certificateType": "CLIENT",
    "certificateAuthorityName": "string"
  },
}
```

```

- "chromebook": {
  "apiKey": "string",
  "certRemovalType": "NONE",
  "enrollmentType": "USER",
  "notifyAppId": "string",
  "accountCredential": "string",
  "enabled": true,
  "type": "string",
  "projectId": "string",
  "privateKeyId": "string",
  "privateKey": "string",
  "clientEmail": "string",
  "clientId": "string",
  "authUri": "string",
  "tokenUri": "string",
  "enrollmentUrl": "string"
},
"keyLength": 2048,
"algorithm": "SHA_1",
"certificateCount": 0,
- "certificateNames": [
  "string"
],
- "variables": [
  "string"
],
"networkCount": 0,
"identityGroupId": "string"
}

```

## Delete the Certificate Template

### PATH PARAMETERS

→ **templateId** required string

### Responses

— **202** The delete request has been accepted and is in progress.

**DELETE** /certificateTemplates/{templateId}

### Response samples

**202**

**Content type**  
application/json

Copy

```

{
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"
}

```

## Update the Certificate Template

PATH PARAMETERS

|                                           |                                                      |
|-------------------------------------------|------------------------------------------------------|
| <div>templateId</div> <div>required</div> | <div>string</div> <div>Certificate template id</div> |
|-------------------------------------------|------------------------------------------------------|

REQUEST BODY SCHEMA: application/json 

required

|                            |                                                                                                                                                                                                                                |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>description</div>     | <div>string<div>[ 0 .. 255 ] characters</div></div> <div>The description identifier for this template.</div>                                                                                                                   |
| <div>name</div>            | <div>string<div>[ 2 .. 255 ] characters</div></div> <div>The name for the certificate template.</div>                                                                                                                          |
| <div>defaultAccess</div>   | <div>boolean</div> <div>Default RADIUS access response will either be accepted or rejected.</div>                                                                                                                              |
| <div>onboard &gt;</div>    | <div>object (OnboardDto)</div> <div>The configuration of the onboard CA.</div>                                                                                                                                                 |
| <div>chromebook &gt;</div> | <div>object (ChromebookDto)</div> <div>The configuration of the Chromebook.</div>                                                                                                                                              |
| <div>keyLength</div>       | <div>integer &lt;int32&gt;<div>[ 2048 .. 4096 ]</div></div> <div>The key length for certificates generated using this template.</div>                                                                                          |
| <div>algorithm</div>       | <div>string (AlgorithmEnum)</div> <div>Enum: "SHA_1" "SHA_256" "SHA_384" "SHA_512"</div> <div>SHA-256 - The SHA-2 hash using 256 bits. SHA-384 - The SHA-2 hash using 384 bits. SHA-512 - The SHA-2 hash using 512 bits.</div> |

Responses

— 202 The update request has been accepted and is in progress.

PATCH /certificateTemplates/{templateId}

Request samples

Payload

Content type

application/json

Copy

Expand all

Collapse all

{

"description": "string",

"name": "string",

"defaultAccess": true,

- "onboard": {

"commonNamePattern": "string",

"emailPattern": "string",

"notAfterType": "SPECIFIED\_DATE",

"notAfterValue": 0,

"notBeforeType": "SPECIFIED\_DATE",

"notBeforeValue": 0,

"notAfterDate": "2019-08-24T14:15:22Z",

"notBeforeDate": "2019-08-24T14:15:22Z",

"organizationPattern": "string",

"organizationUnitPattern": "string",

"localityPattern": "string",

"statePattern": "string",

```
    "countryPattern": "string",
    "certificateType": "CLIENT"
  },
  - "chromebook": {
    "apiKey": "string",
    "certRemovalType": "NONE",
    "enrollmentType": "USER",
    "notifyAppId": "string",
    "accountCredential": "string",
    "enabled": true
  },
  "keyLength": 2048,
  "algorithm": "SHA_1"
}
```

## Response samples

202

### Content type

application/json

Copy

```
{
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"
}
```

## Get Specific Simple Certificate Enrollment Protocol of Template

### PATH PARAMETERS

|                        |                                   |
|------------------------|-----------------------------------|
| templateId<br>required | string<br>Certificate template id |
| scepKeyId<br>required  | string<br>SCEP key id             |

## Responses

> 200 SCEP Key

> 404 SCEP Key not found

GET /certificateTemplates/{templateId}/scepKeys/{scepKeyId}

## Response samples

200

404

Content type

application/json

Copy

```
{
  "id": "string",
  "description": "string",
  "enabled": true,
  "name": "string",
  "allowedSubnets": "string",
  "blockedSubnets": "string",
  "challengePassword": "string",
  "expirationDate": "2019-08-24T14:15:22Z",
  "overrideDays": 365,
  "scepKey": "string",
  "cnValue1": "IGNORE",
  "cnValue2": "IGNORE",
  "cnValue3": "IGNORE",
  "challengePasswordType": "NONE",
  "intuneTenantId": "string",
  "azureApplicationId": "string",
  "azureApplicationKey": "string",
  "enrollmentUrl": "string"
}
```

## Delete the Simple Certificate Enrollment Protocol

PATH PARAMETERS

|                        |                                   |
|------------------------|-----------------------------------|
| templateId<br>required | string<br>Certificate template id |
| scepKeyId<br>required  | string<br>SCEP key id             |

### Responses

— **202** The delete request has been accepted and is in progress.

**DELETE** /certificateTemplates/{templateId}/scepKeys/{scepKeyId}

### Response samples

202

Content type

application/json

Copy

```
{
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"
}
```

## Update the Simple Certificate Enrollment Protocol of Template

PATH PARAMETERS

|                        |                                   |
|------------------------|-----------------------------------|
| templateId<br>required | string<br>Certificate template id |
| scepKeyId<br>required  | string<br>ScepKey Id              |

REQUEST BODY SCHEMA: application/json   ▼  
required

|                                   |                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| description                       | string [ 0 .. 255 ] characters<br>Description of the item for reference.                                                                                                                                                                                                                                                   |
| enabled                           | boolean<br>Indicates whether this key should be used.                                                                                                                                                                                                                                                                      |
| name<br>required                  | string [ 2 .. 255 ] characters<br>The reference name of the item.                                                                                                                                                                                                                                                          |
| allowedSubnets                    | string<br>If populated, only the IPs or subnets specified will be allowed to utilize the simple certificate enrollment protocol server using this key.                                                                                                                                                                     |
| blockedSubnets                    | string<br>If populated, the IPs or subnets specified will be blocked from utilizing the simple certificate enrollment protocol server using this key.                                                                                                                                                                      |
| challengePassword                 | string [ 4 .. 255 ] characters<br>If checked, the client will need to provide this password during the exchange.                                                                                                                                                                                                           |
| expirationDate<br>required        | string <date-time><br>The expire date for the key.                                                                                                                                                                                                                                                                         |
| overrideDays                      | integer <int32> [ 0 .. 365 ]<br>If greater than 0, this overrides the expiration date in the certificate template for certificates generated using this key.                                                                                                                                                               |
| scepKey                           | string<br>The shared secret used as the key within the URL.                                                                                                                                                                                                                                                                |
| cnValue1<br>required              | string<br>Enum: "IGNORE" "MAC_ADDRESS" "USERNAME" "DEVICE_NAME" "EMAIL" "LOCATION"<br>The certificate signing requests created as part of the simple certificate enrollment protocol interaction will contain one or more common name values. The system will treat the first common name as the type of value specified.  |
| cnValue2<br>required              | string<br>Enum: "IGNORE" "MAC_ADDRESS" "USERNAME" "DEVICE_NAME" "EMAIL" "LOCATION"<br>The certificate signing requests created as part of the simple certificate enrollment protocol interaction will contain one or more common name values. The system will treat the second common name as the type of value specified. |
| cnValue3<br>required              | string<br>Enum: "IGNORE" "MAC_ADDRESS" "USERNAME" "DEVICE_NAME" "EMAIL" "LOCATION"<br>The certificate signing requests created as part of the simple certificate enrollment protocol interaction will contain one or more common name values. The system will treat the third common name as the type of value specified.  |
| challengePasswordType<br>required | string<br>Enum: "NONE" "STATIC" "MICROSOFT_INTUNE"<br>Optionally specify a challenge password which must be provided by the client during the simple certificate enrollment protocol key exchange.                                                                                                                         |
| intuneTenantId                    | string<br>The azure tenant ID from the azure configuration portal.                                                                                                                                                                                                                                                         |
| azureApplicationId                | string<br>The azure application client ID from the azure configuration portal.                                                                                                                                                                                                                                             |

|                                                                                           |        |
|-------------------------------------------------------------------------------------------|--------|
| azureApplicationKey                                                                       | string |
| The azure application key and client secret configured in the azure configuration portal. |        |

Responses

— 202 The update request has been accepted and is in progress.

PATCH

/certificateTemplates/{templateId}/scepKeys/{scepKeyId}

▼

Request samples

Payload

Content type

application/json

▼

Copy

```
{  "description": "string",  "enabled": true,  "name": "string",  "allowedSubnets": "string",  "blockedSubnets": "string",  "challengePassword": "string",  "expirationDate": "2019-08-24T14:15:22Z",  "overrideDays": 365,  "scepKey": "string",  "cnValue1": "IGNORE",  "cnValue2": "IGNORE",  "cnValue3": "IGNORE",  "challengePasswordType": "NONE",  "intuneTenantId": "string",  "azureApplicationId": "string",  "azureApplicationKey": "string"}
```

Response samples

202

Content type

application/json

▼

Copy

```
{  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"}
```

Get Specific Notification

| PATH PARAMETERS |                         |
|-----------------|-------------------------|
| templateId      | string                  |
| required        | Certificate template id |
| notificationId  | string                  |
| required        | Notification id         |

Responses

- > 200 Notification
- > 404 Notification not found

GET /certificateTemplates/{templateId}/notifications/{notificationId}

Response samples

- 200
- 404

Content type  
application/json

Copy

```
{
  "id": "string",
  "dateValue": "string",
  "emailSubject": "string",
  "email": "string",
  "emailTemplate": "string",
  "notificationEvent": "ON_ISSUANCE",
  "notificationMethod": "EMAIL_ELSE_SMS",
  "notificationMethodData": "string",
  "smsSubject": "string",
  "smsTemplate": "string",
  "staticDerivedDateType": "string"
}
```

Delete the Notification

| PATH PARAMETERS |        |                         |
|-----------------|--------|-------------------------|
| templateId      | string | Certificate template id |
| required        |        |                         |
| notificationId  | string | Notification id         |
| required        |        |                         |

Responses

- 202 The delete request has been accepted and is in progress.

DELETE /certificateTemplates/{templateId}/notifications/{notificationId}

Response samples

- 202

Content type  
application/json

Copy

```
{
  "requestId": "b2d2a0a0-0b1a-4b1a-0b0a-0b1a0b1a0b1a"
}
```

requestId : b5d5a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a

}

## Update the Notification of Template

### PATH PARAMETERS

|                            |                                   |
|----------------------------|-----------------------------------|
| templateId<br>required     | string<br>Certificate template id |
| notificationId<br>required | string<br>Notification id         |

REQUEST BODY SCHEMA: application/json ▼  
required

|                        |                                                                                                                                                                                      |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| dateValue              | string<br>The number of hours/days/months/etc to be offset from the event date when calculating when to send the notification.                                                       |
| emailSubject           | string [ 0 .. 255 ] characters<br>The subject of the email to be sent for this notification.                                                                                         |
| email                  | string [ 0 .. 255 ] characters ^[\w!#\$%&'*/+=?`{ }~^-]+(?:\.([\w!#\$%&'*/+=?`{ }~^-]+) \.[\w!#\$%&'*/+=?`{ }~^-]+)\. Show pattern<br>Indicates whether this package should be used. |
| emailTemplate          | string [ 0 .. 255 ] characters<br>The message of the email to be sent for this notification.                                                                                         |
| notificationEvent      | string<br>Enum: "ON_ISSUANCE" "ON_REVOCATION" "ON_EXPIRATION" "ON_REVOKED_USE"<br>The event upon which to base the sending of the notification.                                      |
| notificationMethod     | string<br>Enum: "EMAIL_ELSE_SMS" "SMS_ELSE_EMAIL" "EMAIL_AND_SMS" "EMAIL_ONLY" "SMS_ONLY" "EMAIL_ADMINISTRATOR"<br>The method(s) to use to notify the user.                          |
| notificationMethodData | string<br>The data of to use to notify the user.                                                                                                                                     |
| smsSubject             | string [ 0 .. 255 ] characters<br>The subject of the SMS to be sent for this notification.                                                                                           |
| smsTemplate            | string [ 0 .. 255 ] characters<br>The message of the email to be sent for this notification.                                                                                         |
| staticDerivedDateType  | string<br>The basis for calculating the date to send the notification.                                                                                                               |

### Responses

— 202 The update request has been accepted and is in progress.

PATCH /certificateTemplates/{templateId}/notifications/{notificationId} ▼

### Request samples

Payload

Content type  
application/json ▼

Copy

```
{
  "dateValue": "string",
  "emailSubject": "string",
  "email": "string",
  "emailTemplate": "string",
  "notificationEvent": "ON_ISSUANCE",
  "notificationMethod": "EMAIL_ELSE_SMS",
  "notificationMethodData": "string",
  "smsSubject": "string",
  "smsTemplate": "string",
  "staticDerivedDateType": "string"
}
```

## Response samples

202

Content type

application/json

Copy

```
{
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"
}
```

## Get Specific Microsoft Software Installer Package

### PATH PARAMETERS

|              |                         |
|--------------|-------------------------|
| templateId   | string                  |
| required     | Certificate template id |
| msiPackageId | string                  |
| required     | MSI package id          |

## Responses

> 200 MSI Package

> 404 MSI Package not found

GET /certificateTemplates/{templateId}/msiPackages/{msiPackageId}

▼

## Response samples

200

404

Content type

application/json

Copy

```
{
  "id": "string",
  "description": "string",
  "enabled": true,
  "name": "string",
  "allowedSubjects": "string"
}
```

```
    allowedSubnets : string ,
    "blockedSubnets": "string",
    "expirationDate": "2019-08-24T14:15:22Z",
    "passphrase": "string",
    "productId": "string",
    "productName": "string",
    "profileType": "USER_TYPE",
    "usernameVariableSource": "COMPUTER_NAME"
}
```

## Delete the Microsoft Software Installer Package

### PATH PARAMETERS

|                          |                                   |
|--------------------------|-----------------------------------|
| templateId<br>required   | string<br>Certificate template id |
| msiPackageId<br>required | string<br>MSI package id          |

### Responses

— 202 The delete request has been accepted and is in progress.

**DELETE** /certificateTemplates/{templateId}/msiPackages/{msiPackageId}

### Response samples

202

Content type  
application/json

Copy

```
{
  "requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"
}
```

## Update the Microsoft Software Installer Package of Template

### PATH PARAMETERS

|                          |                                   |
|--------------------------|-----------------------------------|
| templateId<br>required   | string<br>Certificate template id |
| msiPackageId<br>required | string<br>MSI Package id          |

REQUEST BODY SCHEMA: application/json  
required

|             |                                                                             |
|-------------|-----------------------------------------------------------------------------|
| description | string [ 0 .. 255 ] characters<br>Description of the package.               |
| enabled     | boolean<br>Indicates whether this package should be used.                   |
| name        | string [ 2 .. 255 ] characters<br>The unique reference name of the package. |

|                                    |                                                                                                                                                  |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| allowedSubnets                     | string<br>If populated, only the IP addresses or subnets specified are allowed to use this package.                                              |
| blockedSubnets                     | string<br>If populated, the IP addresses or subnets specified are blocked from using this package. Blocked subnets override the allowed subnets. |
| expirationDate<br>required         | string <date-time><br>The expire date for this package.                                                                                          |
| productId                          | string<br>The product ID for the package.                                                                                                        |
| productName<br>required            | string [ 2 .. 255 ] characters<br>The product name for the package.                                                                              |
| profileType<br>required            | string<br>Enum: "USER_TYPE" "MACHINE_TYPE"<br>The profile type for the package.                                                                  |
| usernameVariableSource<br>required | string<br>Enum: "COMPUTER_NAME" "CURRENT_USER"<br>Determines where the variable (usable in the certificate template) is derived from.            |

Responses

— 202 The update request has been accepted and is in progress.

PATCH /certificateTemplates/{templateId}/msiPackages/{msiPackageId}

Request samples

Payload

Content type

application/json

Copy

```
{  "description": "string",  "enabled": true,  "name": "string",  "allowedSubnets": "string",  "blockedSubnets": "string",  "expirationDate": "2019-08-24T14:15:22Z",  "productId": "string",  "productName": "string",  "profileType": "USER_TYPE",  "usernameVariableSource": "COMPUTER_NAME"}
```

Response samples

202

Content type

application/json

Copy

```
{  "description": "string",  "enabled": true,  "name": "string",  "allowedSubnets": "string",  "blockedSubnets": "string",  "expirationDate": "2019-08-24T14:15:22Z",  "productId": "string",  "productName": "string",  "profileType": "USER_TYPE",  "usernameVariableSource": "COMPUTER_NAME"}
```

```
"requestId": "b3d3a0a0-0b1a-4b1a-9b0a-0b1a0b1a0b1a"
```

```
}
```