

Profiler SSL Certificate Configuration v1.0

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Resource: certificate

The SSL Certificate presented to connecting Profiler devices

http://{device}/api/npm.profiler_certs/1.0/certificate

JSON

```
{
  "expires_at": integer,
  "fingerprint": {
    "algorithm": string,
    "value": string
  },
  "issuer": distinguished_name,
  "key": {
    "algorithm": string,
    "size": integer
  },
  "pem": string,
  "subject": distinguished_name,
  "valid_at": integer
}
```

Property Name	Type	Description	Notes
certificate	<object>	The SSL Certificate presented to connecting Profiler devices	Required properties: [issuer, subject, valid_at, expires_at, fingerprint, key, pem];
certificate.expires_at	<integer>	Time at which the certificate expires, in Unix epoch seconds	
certificate.fingerprint	<object>	Certificate fingerprint information	Required properties: [algorithm, value];
certificate.fingerprint.algorithm	<string>	The algorithm used to calculate the fingerprint	
certificate.fingerprint.value	<string>	Fingerprint value	
certificate.issuer	<distinguished_name>	Distinguished name information	
certificate.key	<object>	Certificate key information	Required properties: [algorithm, size];
certificate.key.algorithm	<string>	The algorithm used to generate the key	
certificate.key.size	<integer>	The size (number of bits) of the key	
certificate.pem	<string>	The certificate, in PEM format	
certificate.subject	<distinguished_name>	Distinguished name information	
certificate.valid_at	<integer>	Time at which the certificate becomes valid, in Unix epoch seconds	

Links

certificate: generate

Generate a new self-signed certificate and private key. This replaces the current certificate.

POST http://{device}/api/npm.profiler_certs/1.0/certificate/generate

Request Body

Provide a [distinguished_name](#) data object.

Response Body

Returns a [certificate](#) data object.

certificate: get

GET http://{device}/api/npm.profiler_certs/1.0/certificate

Response Body

Returns a [certificate](#) data object.

certificate: import

Import a new certificate and private key

POST http://{device}/api/npm.profiler_certs/1.0/certificate/import

Request Body

Provide a request body with the following structure:

JSON

```
{
  "passphrase": string,
  "pem": any
}
```

Property Name	Type	Description	Notes
certificate.links.import.request	<object>	Import request format	Required properties: [pem];
certificate.links.import.request.passphrase	<string>	Optional passphrase to decrypt private key	Optional;
certificate.links.import.request.pem	<any>	Certificate and private key to import, in PEM format	

Response Body

Returns a [certificate](#) data object.

Resource: trusted_certificate

A certificate or CA-certificate to be trusted

http://{device}/api/npm.profiler_certs/1.0/trusted_certificates/items/{id}

JSON

```
{
  "cert_details": {
    "expires_at": integer,
    "fingerprint": {
      "algorithm": string,
      "value": string
    },
    "issuer": distinguished_name,
    "key": {
      "algorithm": string,
      "size": integer
    },
    "subject": distinguished_name,
    "valid_at": integer
  },
  "id": integer,
  "name": string,
  "pem": string
}
```

Property Name	Type	Description	Notes
trusted_certificate	<object>	A certificate or CA-certificate to be trusted	Required properties: [name, pem];
trusted_certificate.cert_details	<object>	Certificate details	Read-only; Optional;
trusted_certificate.cert_details.expires_at	<integer>	Time at which the certificate expires, in Unix epoch seconds	Read-only; Optional;
trusted_certificate.cert_details.fingerprint	<object>	Certificate fingerprint information	Read-only; Required properties: [algorithm, value]; Optional;
trusted_certificate.cert_details.fingerprint.algorithm	<string>	The algorithm used to calculate the fingerprint	Read-only;
trusted_certificate.cert_details.fingerprint.value	<string>	Fingerprint value	Read-only;
trusted_certificate.cert_details.issuer	<distinguished_name>	Distinguished name information	
trusted_certificate.cert_details.key	<object>	Certificate key information	Read-only; Required properties: [algorithm, size]; Optional;
trusted_certificate.cert_details.key.algorithm	<string>	The algorithm used to generate the key	Read-only;
trusted_certificate.cert_details.key.size	<integer>	The size (number of bits) of the key	Read-only;
trusted_certificate.cert_details.subject	<distinguished_name>	Distinguished name information	

<i>trusted_certificate.cert_details.valid_at</i>	<i><integer></i>	Time at which the certificate becomes valid, in Unix epoch seconds	Read-only; Optional;
<i>trusted_certificate.id</i>	<i><integer></i>	Server-assigned identifier for this trusted certificate	Read-only; Optional;
<i>trusted_certificate.name</i>	<i><string></i>	Name of this certificate	
<i>trusted_certificate.pem</i>	<i><string></i>	The certificate, in PEM format	

Links

trusted_certificate: delete

```
DELETE http://{device}/api/npm.profiler_certs/1.0/trusted_certificates/items/{id}
```

Response Body

On success, the server does not provide any body in the responses.

trusted_certificate: get

```
GET http://{device}/api/npm.profiler_certs/1.0/trusted_certificates/items/{id}
```

Response Body

Returns a [trusted_certificate](#) data object.

Resource: trusted_certificates

The list of all trusted certificates

```
http://{device}/api/npm.profiler_certs/1.0/trusted_certificates
```

JSON

```
{
  "items": [ trusted\_certificate ]
}
```

Property Name	Type	Description	Notes
<i>trusted_certificates</i>	<i><object></i>	The list of all trusted certificates	Required properties: [items];
<i>trusted_certificates.items</i>	<i><array of <trusted_certificate>></i>		
<i>trusted_certificates.items[items]</i>	<i><trusted_certificate></i>	A certificate or CA-certificate to be trusted	

Links

trusted_certificates: create

```
POST http://{device}/api/npm.profiler_certs/1.0/trusted_certificates
```

Request Body

Provide a [trusted_certificate](#) data object.

Response Body

Returns a [trusted_certificate](#) data object.

trusted_certificates: get

```
GET http://{device}/api/npm.profiler_certs/1.0/trusted_certificates
```

Response Body

Returns a [trusted_certificates](#) data object.

Type: distinguished_name

Distinguished name information

JSON

```
{
  "common_name": string,
  "country": string,
  "email": string,
  "locality": string,
  "organization": string,
  "organizational_unit": string,
  "state": string
}
```

Property Name	Type	Description	Notes
distinguished_name	<object>	Distinguished name information	
distinguished_name.common_name	<string>	Common name (CN)	Optional;
distinguished_name.country	<string>	Country code (C)	Optional;
distinguished_name.email	<string>	Email address	Optional;
distinguished_name.locality	<string>	Locality (L)	Optional;
distinguished_name.organization	<string>	Organization name (O)	Optional;
distinguished_name.organizational_unit	<string>	Organization unit name (OU)	Optional;
distinguished_name.state	<string>	State or province name (ST)	Optional;