

SAML Configuration v1.0

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Created Jan 16, 2024 at 02:01 PM

Resource: saml_settings

SAML configuration

```
http://{device}/api/npm.saml/1.0/settings
```

JSON

```
{
  "enabled": boolean,
  "fqdn": string,
  "idp_metadata": string,
  "require_signed_assertions": boolean,
  "roles_attr": string,
  "sign_auth_requests": boolean,
  "username_attr": string
}
```

Property Name	Type	Description	Notes
<i>saml_settings</i>	<i><object></i>	SAML configuration	Required properties: [enabled, idp_metadata, fqdn, username_attr, roles_attr, sign_auth_requests, require_signed_assertions];
<i>saml_settings.enabled</i>	<i><boolean></i>	Whether SAML logins are enabled	
<i>saml_settings.fqdn</i>	<i><string></i>	Override the detected fully-qualified domain name of this SP	
<i>saml_settings.idp_metadata</i>	<i><string></i>	XML metadata of the Identity Provider	
<i>saml_settings.require_signed_assertions</i>	<i><boolean></i>	Whether assertions from the IdP must be signed	
<i>saml_settings.roles_attr</i>	<i><string></i>	SAML attribute containing the user's roles	
<i>saml_settings.sign_auth_requests</i>	<i><boolean></i>	Whether requests from the SP should be signed	
<i>saml_settings.username_attr</i>	<i><string></i>	SAML attribute containing the username. Leave blank to use SAML NameID.	

Links

saml_settings: get

```
GET http://{device}/api/npm.saml/1.0/settings
```

Response Body

Returns a [saml_settings](#) data object.

saml_settings: set

```
PUT http://{device}/api/npm.saml/1.0/settings
```

Request Body

Provide a [saml_settings](#) data object.

Response Body

Returns a [saml_settings](#) data object.

Resource: sp_certificate

The SSL certificate used to sign SP requests to the IdP

```
http://{device}/api/npm.saml/1.0/sp_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
<i>sp_certificate</i>	<object>	The SSL certificate used to sign SP requests to the IdP	Required properties: [issuer, subject, valid_at, expires_at, fingerprint, key, pem];
<i>sp_certificate.expires_at</i>	<integer>	Time at which the certificate expires, in Unix epoch seconds	
<i>sp_certificate.fingerprint</i>	<object>	Certificate fingerprint information	Required properties: [algorithm, value];
<i>sp_certificate.fingerprint.algorithm</i>	<string>	The algorithm used to calculate the fingerprint	
<i>sp_certificate.fingerprint.value</i>	<string>	Fingerprint value	
<i>sp_certificate.issuer</i>	<distinguished_name>	Distinguished name information	
<i>sp_certificate.key</i>	<object>	Certificate key information	Required properties: [algorithm, size];
<i>sp_certificate.key.algorithm</i>	<string>	The algorithm used to generate the key	
<i>sp_certificate.key.size</i>	<integer>	The size (number of bits) of the key	
<i>sp_certificate.pem</i>	<string>	The certificate, in PEM format	
<i>sp_certificate.subject</i>	<distinguished_name>	Distinguished name information	
<i>sp_certificate.valid_at</i>	<integer>	Time at which the certificate becomes valid, in Unix epoch seconds	

Links

sp_certificate: generate

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

```
POST http://{device}/api/npm.saml/1.0/sp_certificate/generate
```

Request Body

Provide a [distinguished_name](#) data object.

Response Body

Returns a [sp_certificate](#) data object.

sp_certificate: get

```
GET http://{device}/api/npm.saml/1.0/sp_certificate
```

Response Body

Returns a [sp_certificate](#) data object.

sp_certificate: import

Import a new certificate and private key

```
POST http://{device}/api/npm.saml/1.0/sp_certificate/import
```

Request Body

Provide a request body with the following structure:

JSON

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

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

Response Body

Returns a [sp_certificate](#) 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
<code>distinguished_name</code>	<object>	Distinguished name information	
<code>distinguished_name.common_name</code>	<string>	Common name (CN)	Optional;
<code>distinguished_name.country</code>	<string>	Country code (C)	Optional;
<code>distinguished_name.email</code>	<string>	Email address	Optional;
<code>distinguished_name.locality</code>	<string>	Locality (L)	Optional;
<code>distinguished_name.organization</code>	<string>	Organization name (O)	Optional;
<code>distinguished_name.organizational_unit</code>	<string>	Organization unit name (OU)	Optional;
<code>distinguished_name.state</code>	<string>	State or province name (ST)	Optional;