

# How to access your login.openathens.net metadata

When you are connecting to an application that is not part of a federation, such as a [custom SAML resource](#), you may need to supply that application with your metadata address. Metadata is available for both SAML 2 and the older SAML 1.1 standards. Where there is a choice, SAML 2 is the one to select.

You will need to know your OpenAthens domain name. This is usually the same as the scope registered against your domain organisation as seen on the [organisation summary](#).

## Metadata address:

```
https://login.openathens.net/saml/2/metadata-idp/DOMAIN
```

E.g. if your OpenAthens domain is institution.ac.uk, your metadata address will be:

```
https://login.openathens.net/saml/2/metadata-idp/institution.ac.uk
```

If you have sub-organisations that have different entityIDs you may need to access their metadata - e.g. if setting up a custom SAML resource that only they will access. The metadata address is essentially the same but with a /o/NUMBER bit added on the end:

```
https://login.openathens.net/saml/2/metadata-idp/DOMAIN/o/NUMBER
```

...where the number at the end is the unique ID shown on their organisation account's permissions tab. If manually specifying endpoints (see below) you would also add the /o/NUMBER part to the end.

## Manually specifying connection settings

The metadata address should be sufficient for most SAML targets, however some may instead want you to specify endpoints, certificates and other data manually instead. If they do:

### Endpoints / SSO address:

You can copy these from the metadata, but they will look like this:

```
https://login.openathens.net/saml/2/sso/DOMAIN
```

### Certificate

This will be the x509 certificate in the metadata, topped and tailed as follows. This is sometimes called PEM format.

```
-----BEGIN CERTIFICATE-----
Hi7cUUpCAqagAwIBAgIEVoxCIjANBgkqhkiG9w0BAQsFADCBoDEoMICYGCSqGS1b3DQEJARYZYXRo
ZW5zaGVscEB1ZHVzZXJ2Lm9yZy51azELMAkGA1UEBhMCR0IxETAPBgNVBAGMCFNvbWVyc2V0MQ0w
CwYDVQQHDARCYXRoMRAdDgYDVQQKDAZFHVzZXJ2MRMwEQYDVQQLDAPcGVuQXRoZW5zMR4wHAYD
VQDDDBVnYXRld2F5LmF0aGVuc2Ftcy5uZXQwHhcNMTUwMjI0MDkyMDA2WmcNMjUwMjI0MDkyMDA2
WjCBODEoMICYGCSqGS1b3DQEJARYZYXRoZW5zaGVscEB1ZHVzZXJ2Lm9yZy51azELMAkGA1UEBhMC
R0IxETAPBgNVBAGMCFNvbWVyc2V0MQ0wCwYDVQQHDARCYXRoMRAdDgYDVQQKDAZFHVzZXJ2MRMw
EQYDVQQLDAPcGVuQXRoZW5zMR4wHAYDVQQDDDBVnYXRld2F5LmF0aGVuc2Ftcy5uZXQwggEiMA0G
CSqGS1b3DQEBAQUAn4IBDwAwggEKAoIBAQCandpa4o0Njtw1DqbrNTfOvElPqyXIIvMdrJ6VUR/
mokXXu+m5Gm+1f+3ayN5IA2YMn9Z8Yo37JQjIHs+XVS3q4nT1ewS7S3en1pdXKsH1WnUnVWUmp19
WJZrUwi5i8X80LNyd7PmudhuKNEATGUXkA/xWckk2d8jF91hy7Qu+HA8LOKtdbbNigErh2IY/YuN
WUVUqgGbmH5BGr7ZahPrz+Vwcf91hPW+tKpKpZEzJfQiq8EoPaEMXEpkWBEERm67gkWFCA5VhfcJ
LqFjQEC3pW0xt5rZRS8gl/Z33VVSJZVzY5jWcQzmGaLXPHXyikPmix16+dJg1UM0y1NF7GvtDagMB
AAEwDQYJKoZIhvcNuQELBQADggEBAFhmhuJLZueiJ6F7mQCpfb0Hj4Y8FyFUUC8NMAt5Set7H4DK
SS14shcqisZBa5yTlyenYwkmBsZvCWs6Yeep+zJmCR62cb/f1M32oMzLm020lznWMkE8/IajGmdx
TnB6Z/XcdMMIiCeoe4kqe5Kmd5oRayNskHYZ+8kzhs2zTveR+rqCtYxa/AYpwf7n0VQR9c1BSNCI
T4BCRi10aPE531VIs141jY3CwNoZ41QTU/0aj804j68V2neiQb81ewAii0b2xoyOGYP4okd7T2t1
4jL2noVbCvYNjd6GYze/w4lgiemkby7wu5sN1lEudgKDV+H54wU29ZiYDEFM6DDNE4=
-----END CERTIFICATE-----
```

### Issuer / IDP issuer / identifier

Your entityID, e.g. <https://idp.institution.ac.uk/openathens>

### Binding / Binding type / IDP Binding

This should be 'Redirect' rather than 'Post'.