

Production environment (Skolfederation)

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The Skolfederation production environment is accessible only to members of Skolfederation. All member metadata published in the Skolfederation aggregated metadata feed is by confirmed member organizations, that must comply with Skolfederations trust framework and technical requirements.

Access to Skolfederation production environment

All members of Skolfederation gain automatic access to the production environment. On finalization of membership, all Technical Contacts can access Federationsadmin by using their e-identification (BankID or Freja eID+). Technical Contacts also have the ability to create Technical Agents to delegate access to the members metadata management. More on creating and managing Technical Agents is found in the [user guide](#).



If your organization became a Skolfederation member before 19th November 2019

If your organization became a Skolfederation member before 19th November 2019 and you do not yet have access to the production environment, you need to fill out the access request form found [here](#). If your organization became member after 19th November 2019, you do not need to use this form.

Uploading metadata to Skolfederation

Uploading metadata in Federationsadmin

To upload metadata to Skolfederation, log on to Federationsadmin with your e-identification (BankID or Freja eID+). Note that you have to be either the members Technical Contact or a Technical Agent to gain access.

[Log on to Skolfederation in Federationsadmin](#)



Instructions

For instructions how to manage your metadata in Federationsadmin, please read the [user guides for metadata management](#).

Sending metadata manually to federation operator

An alternative to managing the metadata in Federationsadmin is to use the form linked below to send metadata to the federation operator for validation and verification. If there are errors, the federation operator will request corrections. If everything is ready for upload, the federation operator will contact the Technical Contact to validate metadata checksum (SHA1) before publication to federation.

[Link to metadata form](#)

Technical information

Metadata

Metadata for Skolfederation is found below.

https://fed.skolfederation.se/prod/md/skolfederation-3_1.xml

Public key for verifying signature of federation metadata is found below.

Certificate file: https://skolfederation.se/app/uploads/2016/05/skolfederation-3_1.crt

skolfederation-3_1.crt

```
-----BEGIN CERTIFICATE-----
MIIFnTCCA4WgAwIBAgIJAP5FnClGKefSMA0GCSqGSIb3DQEBCwUAMGQxCzAJBgNV
BAYTA1NFMRIwEAYDVQQIDAlTdG9ja2hvbG0xejAQBgNVBAcMCVN0b2NraG9sbTET
MCsGA1UECgwkU3RpZnRlbHNLbiBmb3IgaW50ZXJlbnRpbmZyYXN0cnVrdHVyMCAx
DTE2MDUyMzEzNTUyMfoYDzIxMTYwNTIzMTMlNTIwWjBkMQswCQYDVQQGEwJTRTES
MBAGA1UECAwJU3RvY2to2xtMRIwEAYDVQQHDA1TdG9ja2hvbG0xLTArBgNVBAoM
JFN0aWZ0ZWxzZW4zMzYyIEludGVybmV0aW5mcmFzdHJ1a3RlcjCCAIwDQYJKoZI
hvcNAQEBBQADggIPADCCAgocGgIBAKydAR9OBT4OEXe8n+/BDGvZyECbHR60wiB7
KVXH5xEcfprgUzBlic0aL1fhKG8cLB/KpybZ1HbJyJ4fX0uYP4U989fYiMDECn4q
WvcnCuAZXOromnR14keLyVNBIGi8oiDuRG7em2+fqJiDRGkG5CB7SaV4N457Pdr1
QrxpsBWItWiBe9FatoT/3q3qU/FEAA5+XD9ax8Ycq6qhTqanzy/YDyYi1btqyBCd
7Mu7I2wCZ1Q9w1z1kjtUbh2KHM8ui845qrqUCNxYpsj7D5zBZaZ+9CMiKro+mmWJ
DeIQ9m21EPHG/kKumbewKrkZU5Z//fLytcoL+kNQiWClQe67gstPWnE0ZgPAIsYd
gLVr2MHnBjUEAcMOGs+oX8y9sxRwcMoMJ9gF4xd12dIGlhffQo94aV4mvTjwJbQ4
/R7NGE2yf3FtsqWQ1VHzMoJqp6SFOFHGOYpQ1rxhADyC8U97ukjCjkr7FLjzYqz
Yhq08FnQI16uwJg/YNVol/gkLvRg/TVbMpbFW/C+uCK912N8hsQ1jUpmxZFN+JyX
g6vF4pQ1ablqi2Mj5XhQO458XJdqeLvDCgXfuqiZ3x6GU/TISRKAwG1EPdd+RBo
h2kVCQATuaTqOj76QVagBZR2IFNXItcerlugATE/NUK098RiOkjrkz2h2OC+tpj2
BNC1jcTnAgMBAAGjUDBOMB0GA1UdDgQWBQB6D1MFBYLMNFlegakVOw3yL3Bf1TAf
BgNVHSMEGDAWgBQ6D1MFBYLMNFlegakVOw3yL3Bf1TAMBgNVHRMEBTADAQH/MA0G
CSqGSIb3DQEBCwUAA4ICAQB5KmxUoEhwrZmTTrYJid155cnfyF9KjVoLG5jayzQo
4AhOEDt7ahQkSG4cqmDJSInXaX07uoukopgm2IsanWw70SU7/jPPs2Y4960VuG6w
0a5paeEDNJ1016NfvROXxUd3VONQbXhbcq7ny3G8y692g2gihrDZv0Vgf0ea+gkT
3ZSZZPewFHg60FjTVKdTPzBIAWf//5GM5SFMn6WYOm3wwDu6cDoIYnkDOaeuCsDT
nvCmczpIit7W0Wb+EaJe+Or40g2YlHUWmOqrJovtN9Gc7ZZ8VV0WDnV8xI+FESFL
yErUik0jlsXVh1/dpx8XYQaVUPd4R5ZVxtVrS3gXxa0Xnkng9mspCJ0fXqL9PYmO
QZPSCmAuk5I4y3xJCTJGqeyfU+/1bp9CRpFOARYLsKxEgVEQhI/YxwhncN/snhM1
IwCXorpgeChemZtSB62MnKiW3faAKhcYNmiZt8FvTScySd2j7T/53FFuXCT5osz4
GKdvBDzFp5m6xVXBLMTYwmNBeyTGBCYIHxWulqjDXF4o6zUXG0j7IoXh9w7OLomJ
oUrX/mw3I8KEhpbfdvfk3Y0H1kBVzs06HzOuBLVqsRTQIcUuXCJ5ZqCq5/JHJgPr
gsHQ3BsZmwOftzjR0SaehDbxdeUozPgFSTEDTa05XZtnaXQE1Scb7KbaeBjaEChl
vg==
-----END CERTIFICATE-----
```

SHA-256 fingerprint:

B2:59:33:6B:55:06:72:6D:8E:19:4F:2B:93:92:30:7C:4C:2C:4D:6E:29:7D:A6:AE:09:EF:BE:7B:4B:61:4A:C7



Verify metadata with certificate

We recommend verifying the fingerprint of the signing certificate with the federation operator before adding the certificate to your IdP/SP trust. After trusting the certificate, always verify federation metadata signature with signing certificate to guarantee metadata integrity.

Discovery Service (DS)

A centralized SAML 2.0 Discovery Service for Skolfederation is found below.

<https://fed.skolfederation.se/prod/ds/>

The DS is populated with all IdP's from the Skolfederation metadata. The names shown in the DS are based on the OrganizationDisplayName attribute from the IdP metadata.



Use other ways of discovery

Note that the federation operator does not recommend the usage of the centralized DS for discovery of IdP's in production environments, due to limitations in user experience. If required, service providers are recommended to implement a method of discovery better suited to their service.



Test services in production?

Currently, there are no test services available in production. For testing your IdP or SP solution, please feel free to use the test services in the test environment [Skolfederation Trial](#).

Generic errorURL handler

A generic errorURL handler is provided in the federation. More information: [Generic errorURL handler](#).