

# Test environment (Skolfederation Trial)

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Skolfederation Trial is a free test environment open for both members of Skolfederation and non-members. In Skolfederation Trial user organizations and service providers can test their solutions with test services provided by the federation, or with other participating entities in Skolfederation Trial as well as test services provided by Skolverket for DNP. Technical personnel can also get acquainted with metadata management in Federationsadmin.



## Do not use production information

Due to Trial being a completely open test environment for both IdP's and SP's, no control of organizations or entities is performed other than syntactical check of metadata for interoperability in the Trial federation. For IdP's, do not use production data (i.e. users) and be careful to which entities you allow access and release of user attributes and personal information.

## Access to Skolfederation Trial

All members of Skolfederation gain automatic access to Skolfederation Trial. On finalization of membership, all Technical Contacts have received an email with credentials for accessing Skolfederation Trial in Federationsadmin. 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 you are a member of Skolfederation but forgot your password you can reset your password by clicking "Forgot Password?" at the logon screen for Federationsadmin.

If you are not a member of Skolfederation but want access to Skolfederation Trial, use the form below.

<https://service.federationer.internetstiftelsen.se/servicedesk/customer/portal/1/create/30>

## Uploading metadata to Skolfederation Trial

### Uploading metadata in Federationsadmin

To upload metadata to Skolfederation Trial, log on to Federationsadmin with your Trial credentials.

[Log on to Skolfederation Trial in Federationsadmin](#)



## Instructions

Trial metadata is managed the same way as production metadata. For instructions, please read the [user guides for metadata management found here](#).

### 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.

[Link to metadata form](#)

## Technical information

### Metadata

Metadata for Skolfederation is found below.

[https://fed.skolfederation.se/trial/md/skolfederation-trial-3\\_1.xml](https://fed.skolfederation.se/trial/md/skolfederation-trial-3_1.xml)

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

Certificate file: [https://skolfederation.se/app/uploads/2016/05/skolfederation-trial-3\\_1.crt](https://skolfederation.se/app/uploads/2016/05/skolfederation-trial-3_1.crt)

#### skolfederation-trial-3\_1.crt

```
-----BEGIN CERTIFICATE-----
MIIFnTCCA4WgAwIBAgIJAAJI jkgQRcggiiMA0GCSqGSIb3DQEBCwUAMGQxCzAJBgNV
BAYTA1NFMRIwEAYDVQQIDAlTdG9ja2hvbG0xEjAQBgNVBAcMCVN0b2NraG9sbTEt
MCsGA1UECgwkU3RpZnRlbHNlb3I3IjEwZDZlMTYwNTIzMTYwNTYwNTYwNTYwNTYw
DTE2MDUyMzEzMTYwNTYwNTYwNTYwNTYwNTYwNTYwNTYwNTYwNTYwNTYwNTYwNTYw
MBAGA1UECAwJU3RvY2tob2xtMRIwEAYDVQQHDA1TdG9ja2hvbG0xLTArBgNVBAoM
JFN0aWZ0ZWxzZW4gZm9yIEludGVybmV0aW5mcmFzdHJ1a3RlcjCCAIwDQYJKoZI
hvcNAQEBBQADggIPADCCAgoCggIBALv2W3lGl j8DzofLuvrRsLiT03R0sb0QP40i
MCMp4YJOvPuJeMxnoLj0+I5VVx5XpREftZq53CUFLWMjIuu2dzuGd91MYHFY4zz
MSe3xcckD4XsjlrU4+ovaMEcYCjJNLrBVJlDV6tftXbwPAIbBq+SAALUzF4CJhL
MNM4hwCvuYRXcFaapZKpZnTtwQ+Py/Jl0b5Bc9aF6766LNFReG39foKDRf+4vFW8
39wLn+lyvBjMbUfbr5jklkww8gN2Kq08wGJBlQaQyKCEoETH9hv48LvQlFi2Ijd6
kISjwdhQbF24WFGYXl4Qr7Sk/HunEOZMQrum8JyDZUeGExBmzZcCgkNarG8u1AY
JrNar+6g/0vLqj71E7cosJ0ywXxJH2WsQ/2FR9pkd5Inikp+ss9oto7UjStbZYLL
Guyg3zOdeSuxDgRbd+lfKQyKrsf43mPSS3vdvKpIQYfu6bueMa/oIMtal4g5upi i
4j0LENYGROZZad/IOQPxt3wG+BThYE/0EjD7BImm66sr5W+VAQRT0nroRTvm7kJJ
tW8R/I9VK5nDAmDIdagHCAr/lmJfXXIi0JMttYwtbTmaGkRPkPp7JMVQ5NFMjL+F
hSlqFRJbDvKE0r1Q2Hobsp4AouVkg1mt5VG4A24ptdPUCvmg0v6J1R1FL1VH6Oy
/1Mwt1TnAgMBAAGjUDBOMB0GA1UdDgQWBbTeV6UGmGF0di0Rr43/BZpAeX9geTaf
BgNVHSMEGDAWgBTeV6UGmGF0di0Rr43/BZpAeX9geTAMBgNVHRMEBTADAQH/MA0G
CSqGSIb3DQEBCwUAA4ICAQAE3sMwLF3mZHPzPZ+RxA8NHpkwYz2Sz8B+NV1CsP
81f64CxxknB+RwQWBmyottK2lNayvjEsydGvV/Fe5g6hweJYBwaKGom/1vUqUhuD
/zKTgt1sD3Z3NtLYZepFNNeO8DNQJNFzSLMY9EG0ufc7GbFGaVIJa1ZEzcVb9zc1
+1pAKGcODTjQv+gn9FmqUI4IZj/UcCMCKnrVXes6Lzyt2oWPgVFUC0zTPChXE+6V
K7bdKch8enXKOpUVn4zg7BpoXLPkP2RXFBXf6KM+GnWpfYsAkZGJmkwJ52Ovd8f
oE3K+QnyxGsyGhN1PX0Dh+0896seCS8VC2Dgs+7JPPXoz7jLYGxiTG9fKMTUzMpm
dSBt+jsitsjv4/41U7wveFLSM9kms3bEoXf9kCJfEqysw3qU4Txyn9zv4uOmBzn8
fdZLa+Vpp6DqpyukSqDpsIcUc38tJomqMgrxlvdoIkWJE8sabj1MSEQmI4hdOoub
kespEI3hPrbNTlWQAplAaXWFE/WZftM+48bG9nNDzrNT+oZHFkR0xAnLnHT7WiB+p
zfAgxd8HSURLgfQNUDC9glOwpVyeV7MZMUq32VYXdwCMMfeSCWXFQcmbGp/hvpLr
x2DA4dplop9iMnLxcFeR8zf6IKsUPrAMC1zGe5nwJ3kcZppKydy388CDOMlMrztr
lw==
-----END CERTIFICATE-----
```

SHA-256 fingerprint:

DD:42:FE:DA:AB:E9:F0:99:D3:BE:EC:CA:94:95:3F:E8:33:95:68:50:1D:D1:3A:8A:D2:FD:A5:A7:8F:16:DC:ED



#### 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)

Discovery Service for Skolfederation Trial is found below.

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



#### 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. However, in the case of Skolfederation Trial feel free to use this tool to test your services.

## Generic errorURL handler

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

# Test services in Skolfederation Trial

Skolfederation Trial provides test IdP and test SP services for participants to test logon flows, attribute release and attribute consumption.



## Trial services updated

The test IdP and SP services have been updated and replaces the old services with entityID <https://idp.trial.skolfederation.swefed.se/simplesaml/saml2/idp/metadata.php> (IdP) and <https://sp.trial.skolfederation.swefed.se/simplesaml/module.php/saml/sp/metadata.php/default-sp> (SP). To use the test services you will have to reconfigure your IdP or SP with the information found below.

## Test IdP

The test IdP can be used for testing logon and attribute release to your SP uploaded in Skolfederation Trial. As the IdP service is only a form where you can select what attributes and values to release (in accordance with Skolfederation Attribute Profile), the test IdP does not require any user authentication. The test IdP automatically trusts and allows logons to all SP's in the federation metadata for Skolfederation Trial.

SAML 2.0 entityID	Name in Skolfederation Trial discovery service
<a href="https://trial-idp-01.trial.skolfederation.swefed.se">https://trial-idp-01.trial.skolfederation.swefed.se</a>	Skolfederation Trial-IDP



### Manual Attribute Selection

Please select the attributes to include and enter their corresponding values.

<input type="checkbox"/>	c	<input type="text"/>
<input type="checkbox"/>	displayName	<input type="text"/>
<input type="checkbox"/>	eduPersonEntitlement	<div><div>AddDelete</div><input type="text" value="Enter value to add"/></div>
<input type="checkbox"/>	eduPersonPrincipalName	<input type="text"/>
<input type="checkbox"/>	givenName	<input type="text"/>
<input type="checkbox"/>	l	<input type="text"/>

*Trial IdP attribute release form*

## Test SP

The test SP can be used for testing logon and attribute release from your IdP uploaded in Skolfederation Trial. The SP service presents all sent attributes in a table. If the attribute is presented this means the SP could consume the attribute correctly and that the attribute syntax is correct. The test SP automatically trusts and allows logons from all IdP's in the federation metadata for Skolfederation Trial.

SAML 2.0 entityID	Logon URL
<a href="https://trial-sp-01.trial.skolfederation.swefed.se">https://trial-sp-01.trial.skolfederation.swefed.se</a>	<a href="https://trial-sp-01.trial.skolfederation.swefed.se">https://trial-sp-01.trial.skolfederation.swefed.se</a>

### Attributes returned from IdP

Attribute	Value(s)
givenName	Testina
mail	testina1@example.com
sn	Testberg

[Log out](#)

*Trial SP attribute consumption view*