

Test, monitor and statistics tools

Test tools

- SWAMID has a test suite for attribute release at <https://release-check.swamid.se/> with the following tests
 - Show all attributes released to the test service. *Replaces the old test service sp.swamid.se!*
 - Verify that the Identity Provider handles entity categories correct as defined by SWAMID Best Practice
 - Verify that multi-factor login is handled correct
- Test with the Shibboleth Identity Provider built in script aacli (/opt/shibboleth-idp/bin):

```
./aacli.sh -u https://fqdn.av.idp/idp -n <användarnamn> -r <entityID av tjänsten du vill testa mot>
```

Exempel: ./aacli.sh -u https://weblogin.kau.se/idp -n svensven -r <https://connect.sunet.se/shibboleth>

Monitor and statistics tools

- SWAMID Metadata registry: <https://metadata.swamid.se>
- GÉANT CoCo monitoring page: <http://monitor.edugain.org/coco/>
- eduGAIN Entities Database: <https://technical.edugain.org/entities>
- eduGAIN F-ticks statistics (pilot): [F-Ticks Statistics \(edugain.org\)](#)
- Researcher infrastructure access via MyAccessID Attribute Release Test Service: <https://myaccessid.devtest.eduteams.org/sp/>
- Erasmus+ via MyAcademicID Attribute Release Test Service: <https://myacademicid.devtest.eduteams.org/sp/>