



BROWN CIS IT Service Center

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Managing Brown's InCommon Federation Settings

Stephanie Obodda - 2017-08-17 - 0 Comments - in Shibboleth Single Sign On

Configuring InCommon Metadata

InCommon provides a metadata administration website at <https://service1.internet2.edu/siteadmin/manage/>.

IDP Metadata

CIS has already registered an IDP with InCommon for sso.brown.edu.

SP Metadata

To register a new service provider with InCommon, you first get a certificate with InCommon, and then register the SP with InCommon. This must be done for each service provider federated with InCommon. These are the steps:

Generate a Private Key for Service Provider

```
openssl genrsa -aes256 -out [sp name]_key.pem 2048;
Generating RSA private key, 2048 bit long modulus
.....+++
.....+++
e is 65537 (0x10001)
Enter pass phrase for [sp name]_key.pem:
Verifying - Enter pass phrase for [sp name]_key.pem:
```

Generate a Certificate Signing Request (CSR) for Service Provider

```
openssl req -new -key [sp name]_key.pem -out [sp name]_csr.pem
Enter pass phrase for [sp name]_key.pem:
You are about to be asked to enter information that will be
incorporated
into your certificate request.
What you are about to enter is what is called a Distinguished Name
or a DN.
There are quite a few fields but you can leave some blank
For some fields there will be a default value,
If you enter '.', the field will be left blank.
```

```
-----
Country Name (2 letter code) [AU]:US
State or Province Name (full name) [Some-State]:Rhode Island
Locality Name (eg, city) []:Providence
Organization Name (eg, company) [Internet Widgits Pty Ltd]:Brown
University
Organizational Unit Name (eg, section) []:CIS
Common Name (eg, YOUR name) []:[sp name]
Email Address []:idm-shib-admin@brown.edu
```

Please enter the following 'extra' attributes
to be sent with your certificate request
A challenge password []:
An optional company name []:

Request a Certificate from InCommon for Service Provider

Copy the contents of the CSR file generated in the previous step, and paste it into the form at InCommon Certificates :: Submit New Certificate Signing Request (CSR). A human at InCommon will process the request and notify you when the certificate is ready. When ready, you can register a new service provider with InCommon (next step).

Register A New Service Provider with InCommon

Complete the form on the InCommon metadata administration website at Service Provider Metadata :: New Service Provider. The data should be formed like so:

```
Provider ID: https://[sp name]/shibboleth
Type: SAML1.1 Browser/POST
URL: https://[sp name]/Shibboleth/SAML/POST
```

```
Contact Type: Technical
Contact Name: Shibboleth Administrator
Contact Email: idm-shib-admin@brown.edu
```

You may optionally enter administrative or support contacts for the service provider.

Tags

Service Center