

Report on Migration to Shibboleth IdP V3

A Progress Report on the Migration to Shibboleth IdP V3

You've probably heard by now that Shibboleth IdP V2 reached end-of-life on July 31, 2016. Going forward, no bug fixes—not even security-related bug fixes—will be issued by the Shibboleth Project. In other words, *Shibboleth IdP V2 is unsupported software*.

Shibboleth IdP operators in the InCommon federation and other federations around the world are actively [Upgrading to Shibboleth IdP V3](#). This article summarizes the progress of that effort over the last six (6) months.

Here are some interesting facts:

- Nearly 90% of the IdPs registered by InCommon are Shibboleth IdPs
- Three-fourths of the world's IdP deployments are based on the Shibboleth software
- Four federations deploy three-fourths of the world's Shibboleth IdPs
- The same four federations account for three-fourths of the Shibboleth IdP V3 deployments worldwide
- More than half (23/40) of the world's federations each deploy fewer than three (3) Shibboleth IdPs
- Fifteen federations deploy no Shibboleth IdPs whatsoever



All statistics in this article were compiled on January 2, 2017.

Read on for details!

Shibboleth IdPs in InCommon Metadata

Of the 451 IdPs registered by InCommon, 403 (89%) are Shibboleth IdPs. Of these, 226 (56%) are Shibboleth IdP V3 deployments.

Nearly 90% of the IdPs registered by InCommon are Shibboleth IdP deployments

	InCommon metadata 2017-01-02		InCommon metadata 2017-01-02
<i>Number of Shibboleth IdPs</i>	403 (89%)	<i>Number of Shibboleth IdP V3</i>	226 (56%)
<i>Number of non-Shibboleth IdPs</i>	48	<i>Number of Shibboleth IdP V2</i>	149 (37%)
<i>Total number of IdPs</i>	451	<i>Number of Shibboleth IdP V?</i>	28 (7%)
		<i>Total number of Shibboleth IdPs</i>	403

In the last six (6) months, the number of V3 IdPs registered by InCommon has increased from 125 to 226. As a percentage, V3 deployments increased from 32% to 56% over the same time period.

	InCommon metadata 2016-06-27	InCommon metadata 2017-01-02
<i>Number of IdPs</i>	433	451
<i>Number of Shibboleth IdPs</i>	389 (90%)	403 (89%)
<i>Number of Shibboleth IdP V3</i>	125 (32%)	226 (56%)

For more information: [Lists of Shibboleth IdPs Registered by InCommon](#)

Now let's take a look at global migration activity by examining eduGAIN metadata.

Shibboleth IdPs in eduGAIN Metadata

Of the 2262 IdPs in eduGAIN metadata, 1690 (75%) are Shibboleth IdPs. Of these, 818 (48%) are Shibboleth IdP V3 deployments.

Four federations deploy three-fourths of the world's Shibboleth IdPs:

	eduGAIN metadata 2017-01-02		eduGAIN metadata 2017-01-02	UK	459
<i>Number of Shibboleth IdPs</i>	1690 (75%)	<i>Number of Shibboleth IdP V3</i>	818 (48%)	US	381
<i>Number of non-Shibboleth IdPs</i>	572	<i>Number of Shibboleth IdP V2</i>	696 (41%)	FR	263
<i>Total number of IdPs</i>	2262	<i>Number of Shibboleth IdP V?</i>	176 (11%)	BR	169
		<i>Total number of Shibboleth IdPs</i>	1690		

In the last six (6) months, the number of V3 IdPs in eduGAIN metadata has increased from 397 to 818. As a percentage, V3 deployments have nearly doubled over the same time period, increasing from 25% to 48%.

	eduGAIN metadata 2016-06-27	eduGAIN metadata 2017-01-02
<i>Number of IdPs</i>	2134	2262
<i>Number of Shibboleth IdPs</i>	1603 (75%)	1690 (75%)
<i>Number of Shibboleth IdP V3</i>	397 (25%)	818 (48%)

For a complete analysis, including the number of Shibboleth IdP V3 deployments per registrar, see: [Summary of Shibboleth IdPs in eduGAIN Metadata](#)

For More Information

For the latest news and progress, visit this wiki page, which is updated regularly:

- [Lists of Shibboleth IdPs Registered by InCommon](#)

All of the data in this article were compiled using the [Shibboleth IdP Probe](#), a script that probes a sequence of Shibboleth IdPs and determines the version of the Shibboleth software used by each deployment. The software can be downloaded from GitHub.