

# whats-new-in-federation-manager

## What's new in version 6.0

Federation Manager 6.0 was released on October 11, 2021

- [Federation Manager is now on AWS](#)
- [Preparing for eduroam](#)

### Federation Manager is now on AWS

The InCommon Federation Manager application moved from its old, on-premises environment to a new hosting environment in Amazon Web Services. This was a part of broader InCommon Federation infrastructure's move to AWS to improve service scalability and workflow efficiency.

### Preparing for eduroam

Federation Manager 6.0 also includes foundational components to support upcoming features requires by eduroam management user interfaces.

## What's new in version 5.9

Federation Manager 5.9 was released on May 5, 2021.

- [Updated Site Administrator Dashboard](#)
- [Endpoint Encryption Score](#)

### Updated Site Administrator Dashboard

**Baseline Expectations 2 Information** - Federation Manger 5.9 adds Baseline Expectations 2 adherence information to the Site Administrator Dashboard. The Site Administrator can now at a glance see which of their registered entities are missing Baseline Expectations 2 requirements.

**Sortable Listing** - The entity listing table is now sortable. Click the column headings to sort the tables.

Existing Identity Providers

Identity Provider	Baseline Expectations Met	Missing Elements	Endpoint Encryption Score	Status	Modified Date	Last Published Date
https://www.incommon.org	Yes	HTTPS, ETO, URL, ENCRYPTION	Not Available	Not Available	2021-01-18 10:14:00 UTC	
https://www.incommon.org	No	ENCRYPTION	200 (000%)	Expired	2021-01-18 10:14:00 UTC	2021-01-18 10:14:00 UTC

### Endpoint Encryption Score

When available, the View/Edit entity page now displays the entity's endpoint encryption score on the upper right of the page. To learn more about the end point encryption score, visit [Understanding the Endpoint Encryption Score](#).

View/Edit

Service Provider

EntityID: https://fm.incommon.org/sp

Published

Endpoint Encryption Score

A+

Monday April 12, 2021

[More Information](#)

## What's new in version 5.0

Federation Manager 5.0 was released on May 13, 2020.

- [Guided metadata editing interface](#)
- [You can save your work!](#)
- [Un-publish an entity from the InCommon metadata](#)

### Related content

- [Requirements to use Federation Manager](#)
- [What's New in Federation Manager](#)
- [Review and submit metadata](#)
- [Understanding the Endpoint Encryption Score](#)
- [Reset your Federation Manager user password](#)
- [Federation Manager](#)
- [Assign metadata management to a Delegated Administrator](#)
- [Prepare for Delegated Administration assignment](#)
- [Assign access to a Delegated Administrator](#)
- [Add an identity provider](#)

### Get help

Can't find what you are looking for?

[help Ask the community](#)

- Configurable indexing for Assertion Consumer Service endpoints
- Improved signing and encryption key handling

## Guided metadata editing interface

Federation Manager 5.0 sports a brand new metadata management user interface for Site Administrators (SA) and Delegated Administrators (DA). The new interface provides a step-by-step, guided experience to help a user break down the complex task of entering/editing SAML metadata. The ability to peek at the matching XML snippets along the way helps with understanding what your final SAML metadata will look like.

**Add a New Identity Provider**

EntityID: <https://example.org>  
Scope: [example.org](https://example.org)

[New](#)

Entity ID and Scope

Contacts

Contact Type	Name	Email
Administrative	Joe Internet	joe@example.org
Technical	Mary Router	mary@example.org
Security	Example Security Incident Response Team	security@example.org

Administrative   [Add](#)

```
<ContactPerson contactType="administrative">
  <GivenName>Joe Internet</GivenName>
  <EmailAddress>joe@example.org</EmailAddress>
</ContactPerson>
<ContactPerson contactType="technical">
  <GivenName>Mary Router</GivenName>
  <EmailAddress>mary@example.org</EmailAddress>
</ContactPerson>
<ContactPerson xmlns:rend="http://refeds.org/metadata" contactType="other" rend:contactType="http://r">
  <GivenName>Example Security Incident Response Team</GivenName>
  <EmailAddress>security@example.org</EmailAddress>
</ContactPerson>
```

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**Add a New Identity Provider**

EntityID: <https://example.org>  
Scope: [example.org](https://example.org)

[New](#)

Entity ID and Scope

Contacts

User Interface Elements

Error URL

IdP SSO Settings

Signing/Encryption Keys

Entity Attributes

Metadata Export Options

Attribute Authority

Review and Submit

**IdP SSO Settings (IDPSSODescriptor)**

Collapse All

Single Sign-On Service Endpoints

The IDPSSODescriptor must have at least one SingleSignOnService endpoint. At least one endpoint should be a binding type of 'SAML 2.0 HTTP-Redirect'

Binding	Location
SAML 2.0 HTTP-Redirect	<input type="text"/>

[Add](#)

Single Logout Services

Binding	Location
SAML 2.0 HTTP-POST	<input type="text"/>

[Add](#)

Artifact Resolution Services

Binding	Location
SAML 2.0 SOAP	<input type="text"/>

[Add](#)

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## You can save your work!

Federation Manager now saves your work as you go along. This is a particularly useful feature when registering a new entity. Enter what you know. Come back later to enter the rest without having to re-type everything all over again.

## Un-publish an entity from the InCommon metadata

Prior to version 5.0, to un-publish an entity from the InCommon metadata, a Site Administrator had to either delete the entity from Federation Manager altogether or petition the Federation Registration Authority to un-publish on their behalf. Starting in version 5.0, a Site Administrator can un-publish an entity from the InCommon metadata without deleting it from Federation Manager.

## Configurable indexing for Assertion Consumer Service endpoints

It's there now if you need it: you can now set the index number assigned to each Assertion Consumer Service endpoint in the SP metadata.

Add a New Service Provider

Entity ID: https://bar.awu/hp

New

Entity ID

Contacts

User Interface Elements

SP SSO Settings

Signing/Encryption Keys

Entity Attributes

Metadata Export Options

Review and Submit

SP SSO Settings (SPSSODescriptor)

Collapse All

Assertion Consumer Service Endpoints

Index	Binding	Location	
1	urn:oasis:names:tc:SAML:2.0:bindings:HTTP-POST	https://bar.foo/saml2-post	Delete
2	urn:oasis:names:tc:SAML:2.0:bindings:HTTP-POST	https://bar.foo/saml2-post2	Delete
Index: 3	SAML 2.0 HTTP-POST		Add

Discovery Response Locations

Index	Location	
Index: 1		Add

## Improved signing and encryption key handling

We've overhauled the entire signing and encrypting key management interface:

- You can now designate separate keys for signing and encryption.
- You can enter more than 2 keys/certificates.
- The revised UI helps you examine the uploaded keys/certificates.
- Improved default and constraint checking reduces incorrect certificate/key configuration in metadata.

Contacts

User Interface Elements

Error URL

IdP SSO Settings

Signing/Encryption Keys

Entity Attributes

Metadata Export Options

Attribute Authority

Review and Submit

IdP SSO Keys

Digital Certificate: origin.internet2.edu

This key is used for signing

Subject

origin.internet2.edu

Serial Number

9317561342699188557

Fingerprint (SHA1)

31:13:6A:C4:95:5A:5A:F2:AD:45:04:C2-AA:46:75:F3:5D:D8:0C:96

Expires On

Monday May 19, 2025

Edit

Add a New Key-containing Certificate

Please paste your x.509 certificate in PEM format and check the box below

Certificate

☒ Use this key for signing
☐ Use this key for encryption

☐ Use this key for signing
☒ Use this key for encryption

☒ I understand and acknowledge that InCommon does not validate the information contained in any certificate, including this one, entered in the InCommon metadata.

Add

## Technical release notes from past versions

The full history of Federation Manager's technical release notes is [here](#).