

# 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     |
|-----------------------------------------|---------------------------|------------------------------|---------------------------|---------------|-------------------------|-------------------------|
| <a href="#">https://www.example.com</a> | No                        | HTTPS, ENTP, URL, ENCRYPTION | Not Available             | Not Published | 2021-01-15 10:15:00 UTC |                         |
| <a href="#">https://www.example.com</a> | No                        | ENTP, ENTP, URL, ENCRYPTION  | A+ (90%)                  | Published     | 2021-01-15 10:15:00 UTC | 2021-01-15 10:15:00 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

Serial Number

Fingerprint (SHA1)

Expires On

origin.internet2.edu
9317561342699188557
31:13:6A:C4:95:5A:5A:F2:AD:45:04:C2:AA:46:75:F3:5D:D8:0C:96
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](#).