The Federation Technical Guide provides a convenient way to locate the details and documentation for implementing federated identity management with InCommon.

- **Precursors to Technical Implementation**
- **Technical Implementation**
  - Starting with InCommon
  - Identity Attributes
  - Federation Manager
  - Metadata
- **Advanced Topics**
  - Recommended Practices

**Precursors to Technical Implementation**

See [How to Get Started in the InCommon Federation](#) for an introduction to non-technical aspects of InCommon Federation participation.

**Technical Implementation**

**Starting with InCommon**

- Shibboleth IdP installation guide
- Shibboleth SP installation guide
- Shibboleth installation training
- Testing your IdP
- Naming and establishing your EntityID
- Registering your system in the federation: metadata
- Establishing your primary DNS domain

**Identity Attributes**

- Attribute Overview
- eduPerson Schema

**Federation Manager**

- Getting credentials to access federation manager
- Using the federation manager

**Metadata**

- General Information

**Advanced Topics**

**Recommended Practices**

The InCommon community has developed a set of recommended practices for many aspects of federation practice. You can navigate to the [Recommended Practices page](#) for these and other topics:

- Organizational Presence
  - Contacts in Metadata
  - Federated Security Incident Response
- Technical Basics
  - Metadata consumption (refreshed daily)
  - Scope in Metadata (IdP)
  - x.509 certificates in metadata
  - SAML protocol endpoints
  - User Interface elements in metadata (IdP and SP)
  - Requested attributes in metadata
- Operational Maturity
  - Maintaining supported software
  - Federation user experience
- Maximizing the Federation
  - Identity Provider attribute release process
• Persistent identifier support