

## Support Options for Participating R&E Networks

Basic Federation Services		
Item	Description of Item	Resources/Skillsets Required
Training & Consulting	<ul style="list-style-type: none"> <li>• Might include Shibboleth training</li> <li>• SIG Coordination</li> <li>• Presentations on Federation Opportunities</li> </ul>	<ul style="list-style-type: none"> <li>• Appropriately skilled trainers (if done internally)</li> <li>• Coordinate InCommon training session at Regional or constituent site</li> </ul>
Hosting of IdPs/SPs	<ul style="list-style-type: none"> <li>• Hosting of servers (IaaS), may include some server management</li> <li>• Does not include Shibboleth support (IdP/SP)</li> </ul>	<ul style="list-style-type: none"> <li>• Data Center resources</li> <li>• Infrastructure as a Service (IaaS) offering</li> </ul>
Shibboleth Support	<ul style="list-style-type: none"> <li>• IdP/SP Server Support</li> <li>• IdP/SP Installation</li> <li>• Configuration</li> <li>• IdP/SP Administration</li> <li>• Help desk</li> </ul>	<ul style="list-style-type: none"> <li>• Staff with experience in running Federation servers (IdP/SP) – either Shibboleth or other</li> <li>• Existing Help Desk Support</li> </ul>
IdP/SP Hosting & Shibboleth Support	<ul style="list-style-type: none"> <li>• Combination of previous items (Full IdP/SP Support)</li> <li>• Possibly in collaboration with an InCommon Affiliate</li> </ul>	<ul style="list-style-type: none"> <li>• Combination of resources/skillsets previously noted</li> </ul>

Advanced Federation Services (Metadata Management +)		
Item	Description of Item	Resources/Skillsets Required
Run/Support Local Federation	<ul style="list-style-type: none"> <li>• Standalone State, System, K-12, etc.</li> <li>• InCommon-based (similar to above, but all members belong to InCommon Federation)</li> <li>• Likely run MDA</li> </ul>	<ul style="list-style-type: none"> <li>• Knowledge of establishing Trust Federations, Metadata management, Signing of MD Aggregates, (fairly high-level experience)</li> <li>• InCommon-based requires all members join InCommon (cost issues?)</li> </ul>
Run Metadata Aggregator (MDA)	<ul style="list-style-type: none"> <li>• Publish MD (to InC)</li> <li>• Subscribe to MD (from InC)</li> </ul>	<ul style="list-style-type: none"> <li>• More advanced skills – sys admin with developer experience</li> </ul>
Run Proxy IdP (Authentication Gateway?)	<ul style="list-style-type: none"> <li>• Single IdP frontend for lower tier IdPs or other SSO</li> <li>• Needed if IdP is not going to be run for each “member”</li> </ul>	<ul style="list-style-type: none"> <li>• Good sys admin, Java experience, likely SimpleSAMLphp experience</li> </ul>
Run Social2SAML Gateway	<ul style="list-style-type: none"> <li>• For Guests, Parents</li> <li>• Could use Organizational GAfE as IAM backend (provides AuthN and limited attributes) – Attribute Injection might be an option</li> <li>• Likely “future” option</li> </ul>	<ul style="list-style-type: none"> <li>• Similar to above for straight gateway</li> <li>• Attribute injection likely requires more directory/database skills</li> <li>• Certainly requires Policy and Governance decisions, Security review to support</li> </ul>



**\*\*\* These items need a more descriptive write up or white paper describing what is required to implement (more of a Roadmap).**