

XSEDE Operations Deployment Plan: SSO Hub 2.0

Incremental SSO Hub fixes and enhancements

SDIACT-122

2016-05-17

Version 1.2



Table of Contents

A. Document History	5
B. Document Scope.....	6
C. Overview.....	7
D. Resources.....	7
D.1. Human Resources.....	7
D.2. Budget.....	7
E. Coordination and Communication	7
F. Deployment	7
F.1. XSEDE Enterprise Services.....	7
F.1.1 SSO Hub	7
F.1.2 Nagios	8
F.2. XSEDE User Services.....	8
F.3. XSEDE Training.....	8
G. Schedule.....	8

List of Figures

N/A

A. Document History

Document History				
Entire Document	1.0	2016-02-26	Initial draft	Shava Smallen
E, F, G	1.1	2016-04-225	Modified plan to include copying of user files per Derek's suggestion.	Shava Smallen
G	1.2	2015-05-17	Modified deployment schedule	Tabitha Samuel

B. Document Scope

This document outlines the XSEDE Operations deployment plan for SDIACT-122 Incremental SSO Hub fixes and enhancements.

C. Overview

The Single Sign On (SSO) login hub provides a single point-of-entry to the XSEDE cyberinfrastructure. Users authenticate to the SSO Hub using their XSEDE User Portal (XUP) username and password and can then GSI-SSH to SP login nodes without providing any new authentication credential as a MyProxy GSI credential is obtained automatically for the user upon login to the SSO Hub. This incremental update to the SSO Hub has completed the XSEDE engineering process as “SDIACT-122 Incremental SSO Fixes and Enhancements”. It passed the SD&I and Operations testing and has been approved for deployment as an XSEDE Central service.

D. Resources

D.1. Human Resources

The deployment of this component requires installation at each of the SPs. The following human resources have been identified:

Resource	SP Site/XSEDE Group/Other Resource
Staff	SSO Hub administrator
Staff	IU Gateway hosting administrators
User Services staff	XSEDE User Services

D.2. Budget

The IU Gateway hosting environment already provides VMs for hosting the current and new production SSO Hub instances.

E. Coordination and Communication

Existing users of the SSO Hub will need to be notified of the switch over date to the new SSO Hub. The old SSO Hub will be accessible as old-login.iu.xsede.org and the new SSO Hub will replace the current SSO Hub instance at login.xsede.org. User files from the old SSO Hub will be copied over to the new SSO Hub. Users should be notified that they should verify their files are available on the new SSO Hub within a deadline and given a deadline on which the old-login.iu.xsede.org will be shut down.

F. Deployment

F.1. XSEDE Enterprise Services

F.1.1 SSO Hub

No installation is needed. The new SSO hub is already accessible via test-login.iu.xsede.org. User files from login.xsede.org should be copied over to the new SSO Hub before the switch over.

F.1.2 Nagios

Nagios tests for the SSO Hub should be unaffected by the switchover.

F.2. XSEDE User Services

User services should assist with Coordination and Communication defined in Section E as needed.

User documentation at <https://portal.xsede.org/single-sign-on-hub> will need to be updated to use the new host aliases that are available thru the SSO Hub.

F.3. XSEDE Training

User training has already been requested for the SSO Hub.

G. Schedule

The schedule for deployment involves installation and configuration of the {title} software and testing by the SPs.

Task #	Task	Start Date	End Date	Resource
1.	Notify users about switchover.	5/23/16	6/1/15	XSEDE User Services
2.	Copy over user files. Rename current login.xsede.org to old-login.iu.xsede.org and test-login.iu.xsede.org as login.xsede.org.	6/2/16	6/3/16	XSEDE Enterprise Services
3.	deployment complete		6/3/16	