

XSEDE Operations Deployment Plan: Globus Sharing

Enable data sharing using Globus Sharing

SDIACT-027

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Version 1.3



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A. Document History

Entire Document	1.0	2016-02-10	Initial draft	Shava Smallen	
F.2	1.1	2016-07-07	Added note about Globus Connect	Shava Smallen	
D.1	1.2	2016-07-12	Revised resources	Shava Smallen	
Review/update document	entire	1.3	8 August 2016	Final review and update	V. Hazlewood

B. Document Scope

This document outlines the XSEDE Operations deployment plan to enable Globus Sharing on GridFTP servers installed at XSEDE Service Provider sites.

C. Overview

This activity provides SP administrator documentation on how to configure a GridFTP endpoint for Globus Sharing. Globus sharing will enable XSEDE users who have an account on an XSEDE endpoint (e.g., xsede#{site}) to share files easily with other XSEDE users who do not have accounts on that endpoint. No additional software packages are needed to enable Globus sharing on a SP GridFTP endpoint. Globus Sharing has completed the XSEDE engineering process as “SDIACT-027 Enable data sharing using Globus Sharing”. It passed the SD&I and Operations testing and has been approved for deployment onto relevant XSEDE Service Provider resources.

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	PSC (Greenfield, Bridges)
Staff	TACC (Stampede, JetStream, Wrangler)
Staff	Indiana (Jetstream)
Staff	LSU (SuperMIC)
Staff	Stanford (XStream)
Staff	SDSC (Comet, Gordon)

D.2. Budget

Service Providers already provide service nodes on their systems for the GridFTP services that interface with the site compute resources. No additional resources are provided by XSEDE.

E. Coordination and Communication

This new component deployment will not cause any existing service outages. No coordination with other XSEDE components required.

F. Deployment

F.1. XSEDE Enterprise Services

Nagios

No monitoring changes required for Nagios.

Inca

No monitoring changes required for Inca.

F.2. XSEDE Service Providers

Please see Globus Sharing XSEDE admin guide section 2 at

<http://software.xsede.org/production/globus-sharing/globus-sharing-admin-guide-xsede.pdf>.

Note that there are numerous configuration options available for customizing Globus Sharing for users that require modifying your gridftp.conf file. See the appropriate GridFTP documentation for your version of GridFTP for the full details.

The Globus team has an easier way to manage those Globus Sharing options but it is only available through their Globus Connect server installation, which is used by many non-XSEDE users. While XSEDE has tested Globus Connect for delivery to Campuses, its Globus Sharing features have not been tested/validated by XSEDE for L1 thru L3 SP resources.

F.3. XSEDE User Services

User doc is available at <https://docs.globus.org/how-to/share-files>.

F.4. XSEDE Training

A request has already been made to the training team for Globus sharing.

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.	Enable Globus Sharing on GridFTP endpoints	1 August 2016	3 October 2016	All allocated XSEDE SPs
2.	deployment complete		3 October 2016	