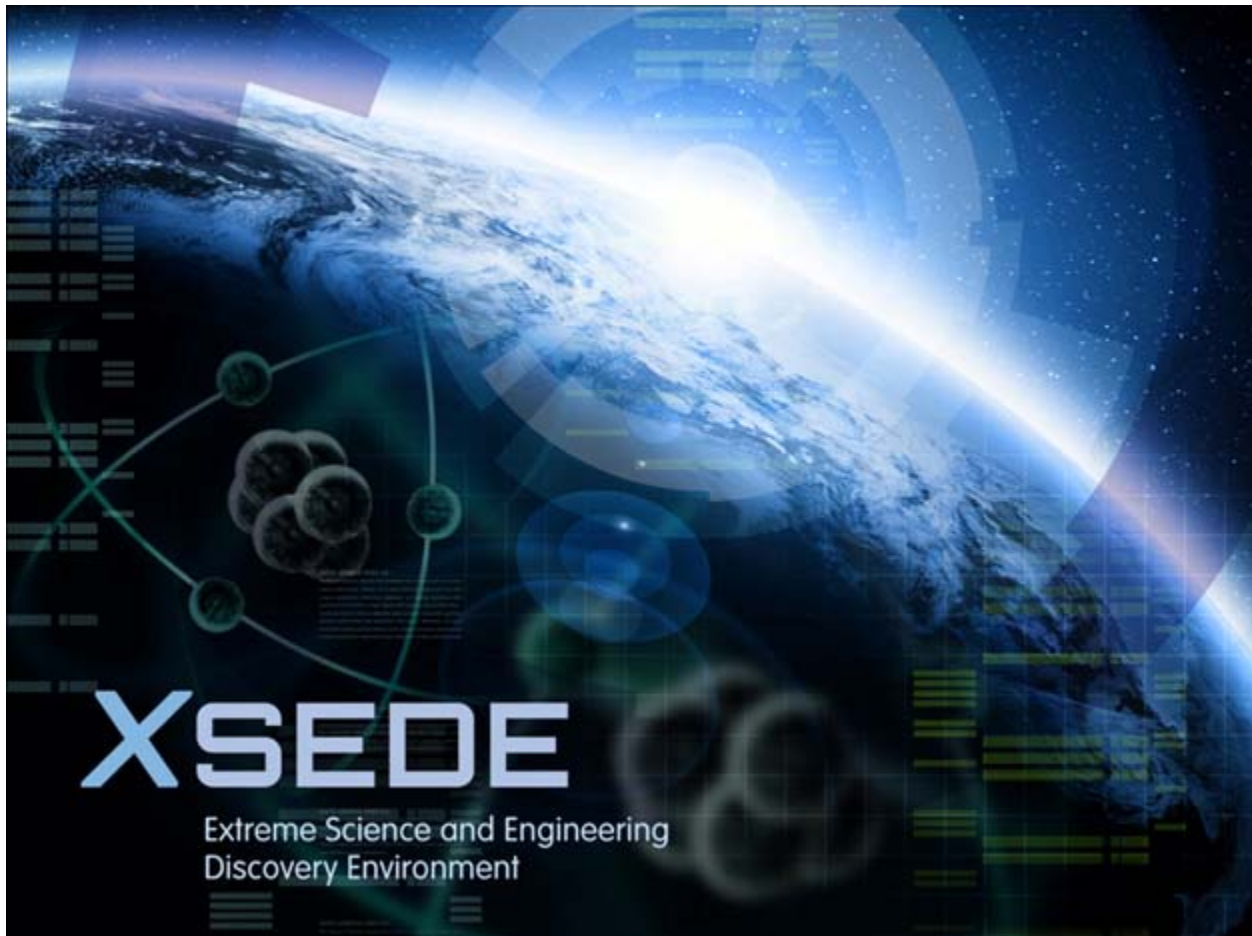


# XSEDE Operations Deployment Plan: Globus Client v6

Update Globus Toolkit clients to 6.x versions  
SDIACT-62

18 June 2015

Version 1.0



## Table of Contents

A. Document History .....	4
B. Document Scope .....	5
A. Overview.....	6
B. Resources.....	6
B.1. Human Resources.....	6
B.2. Budget.....	6
C. Coordination and Communication .....	6
D. Deployment .....	7
D.1. XSEDE Enterprise Services .....	7
B.1.1 Nagios.....	7
B.1.2 Inca.....	7
D.2. XSEDE Service Providers.....	7
D.3. XSEDE User Services .....	7
D.4. XSEDE Training .....	7
E. Schedule .....	7

## List of Figures

N/A

## A. Document History

Document History				
Entire Document	1.0	2015-04-23	Initial draft	Shava Smallen
	1.1	06-18-2015	Minor updates	V. Hazlewood

## **B. Document Scope**

This document outlines the XSEDE Operations deployment plan for the Globus client tools across XSEDE Service Providers.

## C. Overview

The Globus client tools, or Globus clients, are a set of command-line utilities that provide the client side of Globus client/server protocols. Tools are provided for GSI-OpenSSH, MyProxy, GridFTP, and GRAM (if needed at a site), as well as a few X.509-related tools for managing Globus X.509 security credentials. This client tool update activity provides XSEDE-specific packages for Globus Toolkit version 6, which includes bug fixes and security updates, but no significant new functionality.

The Globus client tools have completed the XSEDE engineering process as “SDIACT-062 Update Globus Toolkit clients to 6.x versions”. It passed both 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:

<b>Resource</b>	<b>SP Site/XSEDE Group/Other Resource</b>
Staff	NICS (Darter)
Staff	PSC (Blacklight)
Staff	TACC (Stampede, Wrangler, Maverick)
Staff	SDSC (Comet, Gordon)
Staff	Indiana (Quarry – if necessary)
Staff	LSU (SuperMIC)
Staff	login.xsede.org

### D.2 Budget

This software will be installed and used on existing SP nodes and does not require additional nodes or resources.

## 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

#### F.1.1 XUP

Update Globus client tools by following <http://software.xsede.org/production/globus-client-xsede/latest/XSEDE-Globus-Client-install.html>.

#### F.1.2 SSO Hub

Update GSI-SSH client tools by following <http://software.xsede.org/production/globus-client-xsede/latest/XSEDE-Globus-Client-install.html>.

#### F.1.3 Nagios

No monitoring changes required for Nagios.

#### F.1.4 Inca

No monitoring changes required for Inca. When SPs register new version of software, Inca will automatically pick up the changes.

### F.2 XSEDE Service Providers

Update Globus client tools by <http://software.xsede.org/production/globus-client-xsede/latest/XSEDE-Globus-Client-install.html>.

### F.3 XSEDE User Services

No changes to user documentation needed.

### F.4 XSEDE Training

No changes to user documentation needed.

## G. Schedule

The schedule for deployment involves installation and configuration of the Globus client tools and testing by the SPs.

Task #	Task	Start Date	End Date	Resource
1.	Install Globus client on SPs	6/18/2015	7/31/2015	SPs
2.	Install GSI-SSH client SSO Hub	6/18/2015	7/31/2015	login.xsede.org
3.	deployment complete		8/1/2015	