

# XSEDE Operations Deployment Plan: MDS-Stopgap-1.2-r4

Retire SP Globus MDS replacing it with a stopgap  
alternative: SDIACT-198

11/11/14

Version 1.0



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N/A

## A. Document History

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Relevant Sections	Version	Date	Changes	Author
Entire Document	1.0	11/11/14	Initial draft	Tabitha Samuel

## B. Document Scope

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This document outlines the XSEDE Operations deployment plan for deployment of stopgap MDS publishing and aggregation services at all Level 1, Level2 and Level3 SPs of XSEDE.

## C. Overview

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XSEDE needs to retire Service Provider operated Globus MDS urgently because: Expiring SHA-1 certificates are being replaced with SHA-2 certificates and Globus MDS does not support SHA-2 certificates; the SSLv3 POODLE vulnerability might impact Globus MDS; and Globus MDS is no longer supported by the provider. XSEDE is preparing new capabilities replacing Globus MDS that should be ready for production deployment by the end of the year. This activity delivers a temporary stopgap replacement for SP Globus MDS based information publishing and aggregating. The activity passed joint SDI and Operations testing and has been approved for deployment onto relevant XSEDE Service Provider resources. The test plan and test report are available at [SDI/Ops Test Plan and SDI/Ops Test Report](#).

Installation instructions are found at <http://software.xsede.org/production/mds-stopgap/INSTALL> and the software package to be installed is found [here](#).

## D. Resources

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### D.1. Human Resources

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

Resource	SP Site/XSEDE Group/Other Resource
Staff	NICS (Darter, Nautilus)
Staff	GaTech (Keeneland)
Staff	PSC (Blacklight)
Staff	TACC (Stampede, Lonestar, Maverick)
Staff	NCAR
Staff	SDSC (Gordon, Trestles)
Staff	Purdue (Steele)
Staff	Indiana (Mason)
Staff	LSU (SuperMIC)

### D.2. Budget

No hardware or software purchases are required for this installation.

## E. Schedule

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The schedule for deployment involves installation, configuration and testing of the mds-stopgap-1.2-r4.tgz software package and updation of the ctss-core-registration, ctss-science-gateways and ctss-remote-compute kits if present.

Notify SP Coordinator, Victor Hazlewood (victor@utk.edu), when the mds-stopgap software has been installed and registration kits have been updated on any of the SP resources.

<b>Task #</b>	<b>Task</b>	<b>Start Date</b>	<b>End Date</b>	<b>Resource</b>
1.	Discuss deployment dates with SPs	12/1/14	12/2/14	
2.	Install, configure and test mds-stopgap-1.2-r4	12/3/14	1/15/15	SPs
3.	Update registration kits as required	12/3/14	1/15/15	SPs
4.	mds-stopgap deployment complete		1/15/15	