

XSEDE Operations Deployment Plan: GenesisII GFFS 2.7.542

Incremental GenesisII fixes and enhancements:
SDIACT-149

10/30/2015

Version 1.0

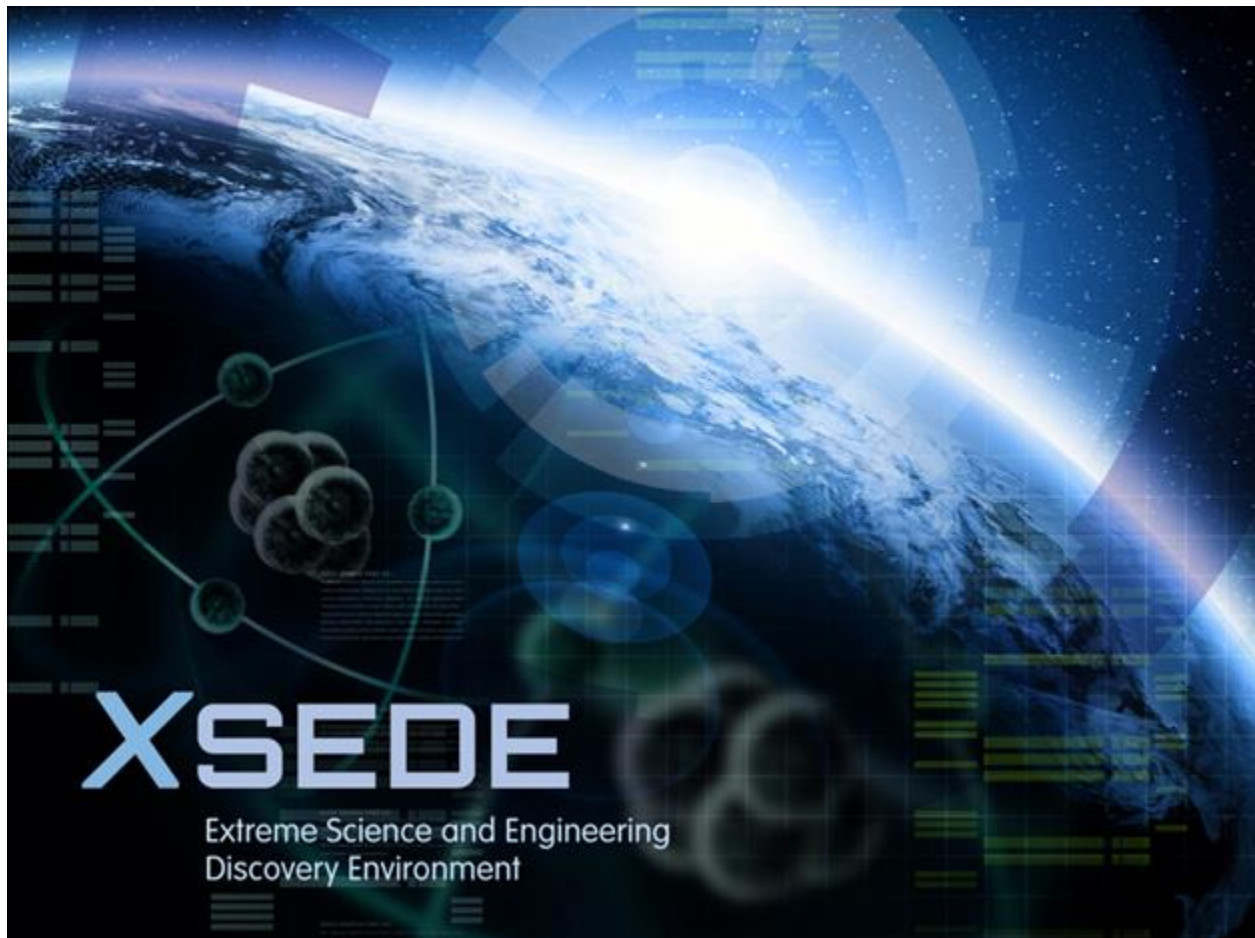


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A. Document History

Relevant Sections	Version	Date	Changes	Author
Entire Document	1.0	2014-12-12	Initial draft by SD&I	Shava Smallen
Entire Document	1.1	2015-10-21	Updated to add client software information for SPs	Tabitha Samuel

B. Document Scope

This document outlines the XSEDE Operations deployment plan for an upgrade to the GFFS central containers and client software for SPs.

C. Overview

GenesisII GFFS was first accepted for production deployment as part of SDIACT 123/126 during the summer of 2014. A [large number of issues were identified](#) and SDIACT-149 provides an update to the GFFS central containers to address a number of these issues. The GFFS client is functionally the same as SDIACT-126 and is additionally available in RPM format. The GFFS SP container updates are not a part of this release and will be provided in a later activity, SDIACT-175.

D. Resources

D.1. Human Resources

The upgrade of GFFS requires an update to the GFFS Central containers. The following human resources have been identified:

Resource	SP Site/XSEDE Group/Other Resource
Staff	UVA (GFFS Central Containers)
User Services staff	XSEDE User Services
Staff	Indiana (Mason, JetStream)
Staff	NICS (Darter)
Staff	PSC (Greenfield, Bridges)
Staff	TACC (Stampede, JetStream, Wrangler)
Staff	NCAR
Staff	SDSC (Comet, Gordon)
Staff	LSU (SuperMIC)

D.2. Budget

IU and NCSA already provide service nodes on their systems for the GFFS services that interface with the site compute resources. No additional resources are provided by XSEDE.

E. Coordination and Communication

Central containers have already been upgraded to this version on 8/11/2015. Interested SPs who have previous versions of the client software installed on their resources should upgrade to the version available a

Nagios notifications during upgrade should be turned off (coordinate with IU). Inca notifications during upgrade should be turned off.

No coordination with other XSEDE components required.

F. Deployment

F.1.XSEDE Enterprise Services

1 GFFS Central Containers

The GFFS installers are available at <https://software.xsede.org/production/genesis2/latest/>. Please note that the packages are same for clients and central containers. The upgrade instructions are available under the section “Updating the XSEDE GFFS Production Grid to SDIACT-149” in the GFFS Central Admin guide [https://software.xsede.org/production/genesis2/genesis2-v2.7.542/Documentation/Central Administrator Guide.pdf](https://software.xsede.org/production/genesis2/genesis2-v2.7.542/Documentation/Central_Administrator_Guide.pdf)

2 Nagios

No monitoring changes required for Nagios.

3 Inca

No monitoring changes required for Inca tests (so far).

F.2.XSEDE Service Providers

Service providers should update the GFFS client at their sites for the latest bug fixes. There are now RPM installers available (via the XSEDE Yum repository). See

https://software.xsede.org/production/genesis2/genesis2-v2.7.542/Documentation/client_install.txt

Note, older versions of the GFFS client will still work with the Central Container update.

F.3.XSEDE User Services

The GFFS XSEDE quick start guide will need to be copied over to <https://portal.xsede.org/user-guides>.

G. Schedule

The schedule for deployment involves an upgrade to the GFFS central containers.

Task #	Task	Start Date	End Date	Resource
1.	Upgrade GFFS central containers at IU and NCSA.	Complete	complete	IU, NCSA
2.	Publish XSEDE GFFS Quick Start guide	10/30/2015	1/25/15	User Portal
3.	Deploy at SPs (optional)	10/30/2015	1/25/15	SP Staff
4.	Deployment complete		1/25/15	