

# XSEDE Operations Deployment Plan: Incremental Gateway Submit Attributes Fixes and Enhancements

SDIACT-187

February 23, 2017

Version 1.2



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## A. Document History

Entire Document	1.0	Date	Initial draft	JP
	1.1	2016-12-13	TRR tweaks	JP
<b>Entire document</b>	1.2	2017-02-23	Edits	V. Hazlewood

## **B. Document Scope**

This document outlines the XSEDE Operations deployment plan for SDIACT-187.

## C. Overview

This Incremental Gateway Submit Attributes Fixes and Enhancements will enhance the security of the tool used by Gateways to report who the user of a community account job is. Security is enhanced by replacing direct XDCDB connections with calls to a new XDCDB API. This component has completed the XSEDE engineering process as “SDIACT-187”. It passed XCI Integrated Testing and has been approved for deployment onto relevant allocated Level 1 and 2 SP resources.

## D. Resources

### D.1. Human Resources

The deployment of this component requires installation at each of the SPs that support tools enabling XSEDE Science Gateways. Each SP should evaluate their capabilities and decide if they need to install this new version of gateway submit attributes for the Science Gateway developers the SP supports. The following human resources have been identified:

Resource	SP Site/XSEDE Group/Other Resource
Staff	OSG
Staff	PSC (Bridges)
Staff	TACC (Stampede, Wrangler)
Staff	NCAR
Staff	SDSC (Gordon, Comet)
Staff	Indiana (Jetstream)
Staff	LSU (SuperMIC)
Staff	Stanford (Xstream)
Staff	RACD/XSEDE Gateways team

### D.2. Budget

No additional hardware or software purchases are required.

## E. Coordination and Communication

XCRI should notify Gateway developers that may be using the Gateway Submit Attributes tool that this change is happening at Service Providers.

This deliverable depends on the API delivered into production by *SDIACT-216 Improve XDCDB security and read/update access with a new RESTfull API*.

## **F. Deployment**

### **F.1. XSEDE Enterprise Services**

#### **XDCDB API**

This deliverable will use the new XDCDB API delivered by SDIACT-216.

#### **Nagios**

No tests affected.

#### **Inca**

No tests affected.

### **F.2. XSEDE Service Providers**

XSEDE Administrators will need to install, configure, and run basic functional tests (4 hours max) of the gateway\_submit\_attributes package version 2.0.3 at:

<https://software.xsede.org/production/gateway-submit-attributes/Packages/>

Installation, configuration, or testing issues should be reported to help@xsede.org.

### **F.3. XSEDE User Services**

No user portal documentation affected.

### **F.4. XSEDE Training**

No new or changed training.

### **F.5. XCI**

Merge release tag/branch into trunk:

[https://software.xsede.org/svn/sdi/source/gateway\\_attributes/tags/rest-api/](https://software.xsede.org/svn/sdi/source/gateway_attributes/tags/rest-api/)

[https://software.xsede.org/svn/sdi/source/gateway\\_attributes/trunk/](https://software.xsede.org/svn/sdi/source/gateway_attributes/trunk/)



## G. Schedule

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

<b>Task #</b>	<b>Task</b>	<b>Start Date</b>	<b>End Date</b>	<b>Resource</b>
1.	Install gateway_submit_attributes v2.0 on L1 and L2 SP resources that support gateways	March 1, 2017	April 28, 2017	All SPs with gateways
2.	Merge release tag/branch into trunk	...	...	RACD developer
3.	XSEDE Gateway team notifies Gateway developers	March 1, 2017	March 31, 2017	XSEDE Gateways team
4.	Deployment complete		April 28, 2017	

## H. References