

# XSEDE Operations Deployment Plan: XDCDB API and Incremental XDUSAGE Fixes and Enhancements

SDIACT-216

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 review</b>	1.2	2017-2-23	Edits	V. Hazlewood

## **B. Document Scope**

This document outlines the XSEDE Operations deployment plan for SDIACT-216.

## C. Overview

This XDCDB API and Incremental XDUSAGE Fixes and Enhancements will enhance the security of the XDCDB and the tool used by users to lookup allocations details in XDCDB. 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-216” (see <https://software.xsede.org/view/sdiact-216>). 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. The following human resources have been identified:

<b>Resource</b>	<b>SP Site/XSEDE Group/Other Resource</b>
Staff	OSG
Staff	PSC (Bridges)
Staff	TACC (Stampede, Wrangler)
Staff	SDSC (Gordon, Comet)
Staff	Indiana (Jetstream)
Staff	LSU (SuperMIC)
Staff	Stanford (Xstream)
Staff	AAM XDCDB Admins

### D.2. Budget

No additional hardware or software purchases are required.

## E. Coordination and Communication

This update doesn't need to be communicated to users because it doesn't change user facing functionality.

## **F. Deployment**

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

#### **XDCDB API**

This activity will deliver a new XDCDB API central services operated by the Accounting and Account Management developers and administrators.

#### **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 xdusage package version 2.0.3 at:

<https://software.xsede.org/production/xdusage/latest> or

<https://software.xsede.org/production/xdusage/xdusage-2.0.3>

Installation, configuration, or testing issues should be reported to [help@xsede.org](mailto: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/xdusage/branches/rest-api/>

<https://software.xsede.org/svn/sdi/source/xdusage/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.	Make XDCDB API service production	March 1, 2017	March 10, 2017	AAM developers/administrators
2.	Install xdusage v2.0 on allocated L1 and L2 SP resources	March 13, 2017	April 28, 2017	SPs
3.	Merge release tag/branch into trunk			RACD developer
4.	Deployment complete		April 28, 2017	

## H. References

None.