*August 2013*

Monthly Technical Status Report

Subcontract Name: *caGrid Enhancement*

Subcontract #: *12ST1112*

Subcontractor: *Inventrio*

Submitted By: *John Eisenschmidt*

Date Submitted: *September 10, 2013*

# 

# Project Background/Objectives

1. Software Development to replace the Globus Axis stack with the WS\* and WS-Security and WS-Trust elements and to migrate to the SHA-2 Infrastructure,
2. Software Development to make registering a new service on caGrid much easier
3. Operations and Maintenance of the existing software components.
4. Support the migration of the Training Grid from its current location to the NCI production environment
5. Support the migration of cagrid.org to the NCI wiki or NCI defined location
6. Support migration of code, issues, and documentation to an open source repository defined by the NCI

# Technical Overview

* WS\* - Explore moving to caGrid 2.0 technology stack
* Security enhancements to support SHA2 and WS-Security
* Migration of svn repositories to github
* Operations and Maintenance of caGrid 1.4 release

# Personnel Roster

Below is a list of team members supporting each subproject.

| **Subproject(s)** | **Name** | **Title / Role** |
| --- | --- | --- |
|  | John Eisenschmidt | Project Manager |
|  | Steve Langella | Software Architect |
|  | Scott Oster | Software Architect |
|  | Shannon Hastings | Software Architect |
| Development | Calixto Melean\* (returned 8/9/2013) | Software Developer |
| Development | Mark Rave\* (added 8/16/2013) | Software Developer |

# Current Technical Status

## Description of Technical Status

Prototype development of caGrid 2.0 services that are backwards compatible to caGrid 1.4. Instantiating Training Grid to replace OSU instance.

## Completed Activities

Below is a list of activities completed this month for each subproject.

| **Subproject(s)** | **Activity** | **Description** |
| --- | --- | --- |
| **OSDI** | * + OSDI close-out | Complete 8/9/2013 |
| **WS-\*** | Continued development on caGrid 2.0 versions of all security services at least started, at various stages of completion. | As of 8/31/2013 |
| **SHA-2** | Continued development and testing of SHA-2 support | As of 8/31/2013 |

# Next Month Plans

## Description of Plans

* Continued development of caGrid 2.0 services
  + CHANGE: Code to support migration away from Safenet HSM
* Close-out remaining OSDI issues.

## Planned Activities

Below is a list of activities planned for next month for each subproject.

| **Subproject(s)** | **Activity** | **Description** |
| --- | --- | --- |
| Development | Code complete, enter QA |  |
| QA | Support Independent testing of release |  |
| Deployment | Deployment-related activities |  |

# Schedule management

## Milestones

| **Subproject(s)** | **Milestone** | **Delivery Date** | **Status** |
| --- | --- | --- | --- |
| **Development** | Enter QA | 9/6/2013 | Construction |
| **Deployment** | Deployed to Production | By 9/30/2013 | Open |
| **JIRA Migration** | Migrate Inventrio’s caGrid JIRA project to NCI JIRA | TBD | Cancelled due to insufficient time |

## dependencies

| **Subproject(s)** | **Dependency** | **Date** | **Status** |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |

## deliverables

| **Subproject(s)** | **Deliverable Name** | **Deliverable Location** | **Due Date** | **Date Updated** | **Status** |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |

# Communications Management

Below is a list of meetings attended this month for each subproject.

| **Subproject(s)** | **Topic** | **Date** | **Project Attendees / Link (Optional)** |
| --- | --- | --- | --- |
|  | caGrid Weekly Meeting | August 2, 16, 23, 30 | John Eisenschmidt, Steve Langella, Scott Oster, Shannon Hasting |

# Issue Management

| **ID** | **Subproject(s)** | **Description** | **Owner** | **Actions** | **Priority (H, M, L)** | **Status (Open, Closed)** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | [caGrid 2.0 Architecture Review Checklist](https://wiki.nci.nih.gov/x/aYGCC) | John Eisenschmidt | Opened 7/15/2013 | H | Closed 7/17/2013 |
|  |  | [Setup a test build with Java 7](https://jira.inventrio.com/browse/CAGD-48) | Scott Oster | Opened 6/28/2013 | M | Closed 7/11/2013 |
|  |  | List of all Secure caGrid Services registered in Production | Scott Oster | Due 6/7/2013 | M | Closed |
| 3 |  | NCI procedures/SOPs for Maven and github? | Larry Brem | Follow up with Scott Oster | M | Opened 5/06/2013 |
| 4 |  | SHA2: will need access to a Safenet HSM to test the SHA2 code changes and validate migration plan. | Larry Brem | Opened 5/10/2013 | H | Resolved 8/23/2013 – HSM will not be used |

# Risk Management

| **ID** | **Subproject(s)** | **Description** | **Owner** | **Potential Impact (H, M, L)** | **Mitigation/ Status** | **Priority (H, M, L)** | **Status (Open, Closed)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | **Training Grid** | Hardware Security Module | Steve Langella | H | Resolved |  | Closed |
| 2 | **SHA-2** | Hardware Security Module | Steve Langella | H | Resolved 8/23/2013 – HSM will not be used | H | Closed |