*January 2012*

Monthly Technical Status Report

Subcontract Name: *caGrid Enhancement*

Subcontract #: *12ST1112*

Subcontractor: *Inventrio*

Submitted By: *John Eisenschmidt*

Date Submitted: *March 15, 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

* Enhancements to most recent caGrid 1.4 release to support SHA2 and WS-Security
* Explore moving to caGrid 2.0 technology stack
* Ongoing 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 | Dave Heisterberg | Software Developer |
| Training Grid, caGrid.org | Justin Kuss | Software Developer |
| Training Grid, caGrid.org, OSDI | Will Ryan | Software Developer |
| Training Grid, caGrid.org | Ryan Naylor | Software Developer |

# Current Technical Status

## Description of Technical Status

Face-to-face meeting. Requested additional NCI accounts.

## Completed Activities

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

| **Subproject(s)** | **Activity** | **Description** |
| --- | --- | --- |
|  | Face-to-face meeting | Meeting in Rockville to discuss overall project and approach. Larry Brem, Jonathan Lin, Robert Shirley, Sue Pan, John Eisenschmidt, Steve Langella, Scott Oster, Shannon Hastings. Call with Bill Stephens and Dave Ervin from The Ohio State University. |
|  | Request for Accounts | Additional accounts for Justin, Will, and Ryan to support Training Grid and caGrid.org migrations. |

# Next Month Plans

## Description of Plans

* Prototype caGrid 1.4/WSRF service in caGrid 2.0 tech stack (e.g. Apache CXF)
* Begin migration of Training Grid and caGrid.org
* Explore OSDI migration from svn to github

## Planned Activities

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

| **Subproject(s)** | **Activity** | **Description** |
| --- | --- | --- |
| Development | Prototype caGrid 1.4 services in 2.0 tech stack |  |
| Training Grid, caGrid.org | Migration of Training Grid and caGrid.org |  |
| OSDI | Explore OSDI migration from svn to github |  |

# Schedule management

## Milestones

| **Subproject(s)** | **Milestone** | **Delivery Date** | **Status** |
| --- | --- | --- | --- |
| **Development** | Validate development approach for 2.0 tech stack | March 15, 2013 | Inception |
| **Training Grid** | Migration of Training Grid from OSU to NCI | March 13, 2013 | Inception |
| **caGrid.org** | Migration of caGrid.org from OSU to NCI | April 13, 2013 | Inception |
| **OSDI** | Migration from NCI svi to Github | TBD | Pending kick-off |

## dependencies

| **Subproject(s)** | **Dependency** | **Date** | **Status** |
| --- | --- | --- | --- |
| **Training Grid** | Artifacts from OSU, NCI Systems Team Approval |  | Pending ARC/PTE (John Eisenschmidt) |
| **caGrid.org** | Artifacts from OSU, NCI Systems Team Approval |  |  |

## deliverables

| **Subproject(s)** | **Deliverable Name** | **Deliverable Location** | **Due Date** | **Date Updated** | **Status** |
| --- | --- | --- | --- | --- | --- |
| **Training Grid** | Deployment | TBD (NCI ?) | March 13, 2013 |  | Inception |

# Communications Management

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

| **Subproject(s)** | **Topic** | **Date** | **Project Attendees / Link (Optional)** |
| --- | --- | --- | --- |
|  | Face-to-face Meeting | January 24, 2013 |  |

# Issue Management

| **ID** | **Subproject(s)** | **Description** | **Owner** | **Actions** | **Priority (H, M, L)** | **Status (Open, Closed)** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | None |  |  |  |  |

# Risk Management

| **ID** | **Subproject(s)** | **Description** | **Owner** | **Potential Impact (H, M, L)** | **Mitigation/ Status** | **Priority (H, M, L)** | **Status (Open, Closed)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Training Grid** | Hardware Security Module |  | H | TBD |  | Open |