*February 2012*

Monthly Technical Status Report

Subcontract Name: *caGrid Enhancement*

Subcontract #: *12ST1112*

Subcontractor: *Inventrio*

Submitted By: *John Eisenschmidt*

Date Submitted: *March 15, 2013*

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# 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

* Migration of Training Grid out of the Ohio State University
* Enhancements to most recent caGrid 1.4 release to support SHA2 and WS-Security
* Explore moving to caGrid 2.0 technology stack
* 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

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** |
| --- | --- | --- |
| Training Grid | NCI Training Grid - [ARC](https://wiki.nci.nih.gov/display/sysdeploy/caGrid+1.4+ARC+-+Training+Grid) | NCI-required artifact for instantiating a new environment |
| Training Grid | NCI Training Grid - [PTE](https://wiki.nci.nih.gov/display/sysdeploy/PTE+-+NCI-hosted+caGrid+1.4+Training+Grid) | NCI-required artifact for instantiating a new environment |
| Training Grid | NCI Training Grid Portal - [ARC](https://wiki.nci.nih.gov/display/sysdeploy/ARC+-+caGrid+Portal+3.5.1+-+Training+Grid) | NCI-required artifact for instantiating a new environment |
| Training Grid | NCI Training Grid Portal - [PTE](https://wiki.nci.nih.gov/display/sysdeploy/PTE+-+caGrid+Portal+3.5.1+-+Training+Grid) | NCI-required artifact for instantiating a new environment |
| Training Grid | Amazon AWS Cost Estimate | SAIC-F COTR requested cost estimate to host Training Grid in Amazon |

# Next Month Plans

## Description of Plans

* Finalize prototype caGrid 1.4/WSRF service in caGrid 2.0 tech stack
* Finish migration of Training Grid and caGrid.org to Amazon AWS
* Begin 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 | Finalize prototype caGrid 1.4/WSRF service in caGrid 2.0 tech stack |  |
| Training Grid, caGrid.org | Finish migration of Training Grid and caGrid.org | 02/28/13: SAIC-F COTR determined that Amazon AWS reserved instances should be used to host the Training Grid |
| OSDI | Begin OSDI migration from svn to Github | Pending kick-off meeting |

# Schedule management

## Milestones

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

## dependencies

| **Subproject(s)** | **Dependency** | **Date** | **Status** |
| --- | --- | --- | --- |
| **Training Grid** | Artifacts from OSU |  | Pending creation of Amazon AWS reserved instances |
| **caGrid.org** | Artifacts from OSU, license status from Atlassian, license status from Theme builder |  | Elaboration |

## deliverables

| **Subproject(s)** | **Deliverable Name** | **Deliverable Location** | **Due Date** | **Date Updated** | **Status** |
| --- | --- | --- | --- | --- | --- |
| **Training Grid** | Deployment | Amazon AWS | March 13, 2013 |  | Elaboration |

# Communications Management

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

| **Subproject(s)** | **Topic** | **Date** | **Project Attendees / Link (Optional)** |
| --- | --- | --- | --- |
| Training Grid | caGrid Training Grid Migration | February 4, 2013 | John Eisenschmidt, Steve Langella, Scott Oster, Shannon Hasting, Justin Kuss, Will Ryan, Ryan Naylor |
|  | caGrid Weekly Meeting | February 8, 2013 | John Eisenschmidt, Steve Langella, Scott Oster, Shannon Hasting |
|  | caGrid Weekly Meeting | February 15, 2013 | John Eisenschmidt, Steve Langella, Scott Oster, Shannon Hasting |
|  | caGrid Weekly Meeting | February 22, 2013 | John Eisenschmidt, Steve Langella, Scott Oster, Shannon Hasting |

# 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)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | **Training Grid** | Hardware Security Module | Steve Langella | H | Resolved |  | Closed |