

caGrid Risks

SHA 2 support release

- Downstream products will be required to upgrade to adopt the changes to caGrid which support SHA 2 certificates. Since most of the caBIG development teams are shut down, and are unable to upgrade, the SHA 2 support release cannot be published or deployed to production.
- Weeks reported: 18 (at least since July 2011 status report)
- Assigned to: NCI
- Assessment
 - Likelihood: (4 – High)
 - There does not appear to be significant movement toward bringing other product development teams back on line
 - Consequence: (4 – High)
 - Technical: (2 – Low)
 - Development of the SHA 2 support is code complete and a development grid instance has been deployed at OSU. Better product support and performance would be facilitated by interaction with active adopters.
 - Schedule: (4 – High)
 - The release and deployment of the SHA 2 support cannot be made until the other development teams are reactivated, a decision is made to support a parallel grid instance, or the downstream impact is deemed to be acceptable.
 - Cost: (Uncertain)
- Risk Handling Plan
 - Mitigation: The dev team proposes rolling out a parallel grid instance with SHA 2 support and bringing product development teams back on to perform their own migration and testing.

De-scoped and scaled-back development

- The de-scoped and scaled down development model being applied to caGrid will make it difficult to deliver new features that customers and users have requested in a timely manner.
- Weeks reported: 18 (At least since July 2011 status report)
- Assigned to: NCI
- Assessment
 - Likelihood: (5 – Certainty)

- The number of developers and their allocation to the caGrid project has been significantly reduced.
 - The scope of the project has been significantly narrowed.
 - Consequence: (3 – Moderate)
 - Technical: (3 – Moderate)
 - New feature requests are delayed or dropped from consideration.
 - Schedule: (3 – Moderate)
 - Features which are selected for inclusion in caGrid will take longer to implement than was previously possible.
 - External adopters considering adopting caGrid may choose other technology that can more quickly be adapted to their needs.
 - Cost: (2 – Low)
 - Potential funding from external adopters may not be forthcoming since the inclusion of new features may be delayed.
 - Risk Handling Plan:
 - TBD

Tech Stack changes

- The NCI tech stack calls for specific versions of tools such as Hibernate, Spring, JBoss, and Tomcat. caGrid cannot always move to the approved / supported versions of those technologies due to external dependencies which themselves do not support the newer tech stack.
- Weeks reported: 2
- Assignment: TBD
- Assessment:
 - Likelihood: (3 – Likely)
 - The tech stack specifies versions of Tomcat and JBoss which are not currently supported, but work is under way to support them.
 - The tech stack specifies versions of Spring and Hibernate which external dependencies like Grouper and the caCORE SDK do not work with.
 - Consequence: (3 – Minor)
 - Technical: (3 – Minor)
 - If it is determined that in order to support the continued interoperation with external tools that the currently used versions of Spring, Hibernate, and a few other APIs is acceptable, then these particular instances are of little technical consequence.
 - Migration to the supported versions of Tomcat and JBoss is proving to be a technical hurdle

- Schedule: (3 – Minor)
 - Support for JBoss may take some time to get right, as the tech stack version is dramatically different than the currently supported version. This could lead to delays in producing a release of caGrid which supports the tech stack version of JBoss.
- Cost: (3 – Minor)
 - Continuing to use the older, currently supported versions of tools simplifies the development process at the cost of training administrators and adopters to utilize the software.
 - Conversely, updating caGrid to use the new tech stack will cost time and money, but at the somewhat reduced level of effort for adopters and systems administrators.
- Risk Handling Plan:
 - The caGrid development team is proceeding under the assumption that the tech stack should be supported to the greatest reasonable extent.