

ETC Minutes - 11/24/2009

Tuesday, November 24, 2009
2:00 PM

Attendees

- Matt Cechini (ECHO Ops)
- Linnette Quick (ECHO Ops)
- Frank Corprew (ECHO Ops)
- Dan Pilone (ECHO)
- Andy Mitchell (ESDIS)
- Cathy Fowler (NSIDC)
- Amanda Leon (NSIDC)
- Doug Fowler (NSIDC)
- Dan Traut (LPDAAC)
- Julie Luebke (LPDAAC)
- Matt Martens (LPDAAC)
- Marilyn Drewry (GHRC)
- Ed Seiler (GSFCS4PA)
- Merlie Hanson (SEDAC)
- Greg Cates (ASDC)
- Ben McMurry (ORNL)
- Merlie Hansen (SEDAC)
- Jon Pals (ECS)
- Evelyn Nakamura (ECS)

Agenda

1. ECHO Operations Status
2. ECHO High Availability (Dan Pilone)
3. ECHO Next Generation Client (Codename "Reverb")
4. Upcoming Events
 - a. 11/18/09 - Prevent
5. Other Questions/Issues

1. ECHO Operational Status

ECHO Operations continues to handle the query, order, and ingest load without any systemic issues.

ECHO 10.17 has been pushed to Operations and 10.18 to Testbed and Partner Test. An update to 10.18 was pushed early this week to address an ingest issue discovered during testing. 10.18 was released to Partner Test earlier than usually scheduled in order to facilitate BMGT testing.

2. ECHO High Availability

Over the past few weeks, ECHO has performed work to improve the availability and fault tolerance of the ECHO system. As of last week's PM, there are 2 redundant ECHO Kernels running, both servicing WIST and other client queries and orders. These run in an active-active configuration, so if one fails, there will be a continuation of service. There are also 2 WIST instances, however the secondary WIST instance will be used only if the primary fails. Users would expect to lose their sessions were they actively using WIST during a failover, but after re-logging in, they would be able to continue their work.

Scheduled for release in 2010-Q1, ECHO will be deploying redundant database nodes, utilizing Oracle RAC. The Operations system will have a 3 node RAC cluster servicing ECHO usage. This will provide a significantly more fault tolerant position for ECHO going forward to serve a growing community. More details will be made available as the time nears.

3. ECHO Next Generation Client (Codename "Reverb")

Reverb will be made available on Partner Test prior to the next ETC. A user survey has been developed and

will be reviewed by the USWG next week. Subsequent to that review, Reverb and the survey will be made available. There will likely be a couple iterations of reviews on Reverb, each focusing on a different portion of functionality.

4. Upcoming Events

- 11/25/09 8:00am - 12:00pm - ECHO Preventative Maintenance

5. Questions/Comments

- WIST Granule Search Limit
 - As was discussed during the last ETC, ECHO Operations would like to increase the maximum WIST search limit from 1000 to 2000. This configuration change has been made in Partner Test. Providers are encouraged to test out the change on Partner Test prior to the next ETC, when a decision will be made about making this configuration change in Operations.
- ACLs & Group Management
 - The first phase of the ACLs & Group Management functionality will be included in 10.19, which will be released to Testbed in the beginning of December. Providers will be able to test with it at that point, and in Partner Test next January. The full functionality will be available for testing, but it will not affect any data access in the mode. The functionality is read only. A future release of ECHO will officially switch over to the new ACLs and Group Management. Due to timing, this will likely be 10.21 or 10.22, scheduled to be released by next March.