

[ESIP Testbed: Encouraging Technology Innovation for Earth Science](#) [1]

Submitted by superadmin on Fri, 2012-06-29 15:32 Wednesday, July 18, 2012 - 14:00 to 15:30

Event: [Summer Meeting 2012](#) [2]

Session Type: [Breakout](#) [3]

Expertise Level: [Intermediate](#) [4]

Identifier: doi:10.7269/P3Z60KZD

Collaboration Area: [Cloud Computing](#) [5]

[Discovery](#) [6]

[Information Quality](#) [7]

[Information Technology and Interoperability](#) [8]

[Preservation and Stewardship](#) [9]

[Products and Services](#) [10]

[Semantic Web](#) [11]

Abstract/Agenda:

Presentations and discussions about the latest developments and capabilities of the ESIP Testbed, to include a presentation on the ESIP portal and new support and capabilities for Testbed activities.

Suggestion for summer meeting session agenda: Wed, July 18, 1:30-3:00pm

(10 min) Overview of Testbed and recent efforts (Ken)

(20 min) New Testbed Portal - a better environment for innovation and collaboration (Jing Li, Phil, Ken)

(20 min) Using ESIP services (Christine, Erin) - Cloud, Drupal, Web, Commons

(10 min) Capturing the source code - using ESIP GitHub project (?)

(30 min) New directions - open discussion on Testbed next steps

Notes:

ESIP Testbed Session Notes to post

- * Portal presentation: mention that roles also includes "public" in addition to member and developer

- * ESIP Services

- * Testbed as collaborative portal

- * Issues with ESIP group acct for Amazon

- * pre-paid acct to limit exposure

- * JPL has corporate account

- * There are problems with freezing Amazon instance. Some people did not have very pleasant experience with freezing.

- * If you are using 80% of your machine time, you should own the machine - JPL NASA study.

- * Main problem is to have a common ESIP Amazon account. Amazon does not allow consolidated billing and requires you to put personal credit card number. There may be alternatives.

- * What about Terabytes of data usages, what about its cost? Current Amazon cost is around \$100 per months for few projects.

- * Having a collaborative development environment is main problem. Sysadmin needs to open ports for other institutions. This is the why Testbed could not be hosted on local university machines.

- * Owning a private cloud is expensive for ESIP at this moment, but hosting a private cloud for ESIP may be cheaper in longer terms.

- *

- * Frank: where is it practical to use cloud resources and/or purchase an ESIP server

- * James: use AWS to manage VM images instead of considering using gitHub to manage VMs

- * might be a student project to figure out how to manage AWS resources as an ESIP entity

- * Eric - how to manage budgeting/billing of cloud (and other) resources?

- * Reasons for using cloud resources

- * resources that are not secured or blocked - or require sysadmin efforts

- * hosting data? we haven't had any experience with using AWS to host data yet

- * Consider using the Testbed portal (or some tool) to track progress/status of projects and services. Had not considered tracking status of services

- * ESIP is evaluating Pantheon vs. Bluehost vs. Amazon Cloud pros and cons. Develop on Pantheon and move to Bluehost later etc.

- * ESIP Testbed Geoportal Link: <http://23.23.211.222:8080/geoportal/catalog/main/home.page> [12]

- * ESIP Testbed Best Practices Link:

- http://wiki.esipfed.org/index.php/ESIP_Testbed_Amazon_Web_Services_Best_... [13]

- *

- * Open Discussion

- * Christine: suggest doing a plenary presentation at the winter meeting that will explain and advocate the Testbed, Commons, ESIP Portal, services, etc. - assuming that some of these things have gelled by the winter meeting

- * Frank: Consider asking representatives from some other projects that provide user services to talk at one of the monthly telecons

- * project columbia - examples of how to allocate resources

- * others that I did not capture

- * NASA Airborne Science Program (suggested by Steve as governance example)

- <http://airbornescience.nasa.gov/> [14]

- * Suggestion for better outreach: Once Testbed has a better process, in next winter meeting it can be shown during plenary sessions.

- * Question: How to host server side applications on Testbed that requires separate post and have lots of data?

Session Leads:

Name: [Ken Keiser](#) [15]

Organization(s): [University of Alabama in Huntsville](#) [16]

Creative Common License: Creative Commons Attribution 3.0 License

Teaser: Presentations and discussions about the latest developments and capabilities of the #ESIPFed Testbed

Keywords: [Innovation](#) [17]

Source URL: <https://commons.esipfed.org/node/451>

Links

[1] <https://commons.esipfed.org/node/451>

[2] <https://commons.esipfed.org/event/summer-meeting-2012>

[3] <https://commons.esipfed.org/session-type/breakout>

[4] <https://commons.esipfed.org/taxonomy/term/261>

[5] <https://commons.esipfed.org/collaboration-area/cloud-computing>

[6] <https://commons.esipfed.org/collaboration-area/discovery>

[7] <https://commons.esipfed.org/collaboration-area/information-quality>

[8] <https://commons.esipfed.org/collaboration-area/information-technology-and-interoperability>

[9] <https://commons.esipfed.org/collaboration-area/preservation-and-stewardship>

[10] <https://commons.esipfed.org/collaboration-area/products-and-services>

[11] <https://commons.esipfed.org/collaboration-area/semantic-web>

[12] <http://23.23.211.222:8080/geoportal/catalog/main/home.page>

[13] http://wiki.esipfed.org/index.php/ESIP_Testbed_Amazon_Web_Services_Best_Practices

[14] <http://airbornescience.nasa.gov/>

[15] <https://commons.esipfed.org/node/253>

[16] <https://commons.esipfed.org/taxonomy/term/186>

[17] <https://commons.esipfed.org/InnovationHub>