

Experimenter / Developer Roundtable:

Omni & GENI Portal

Tom Mitchell
GEC 24
March 8, 2016



- Portal
 - New UI/UX
 - User preferences
 - Aggregate status display
 - Identity federation with Chameleon
 - Create image from snapshot
- Omni
 - Version 2.10, December 2015
- GitHub
- Getting Help

- Adopted responsive web design principles
- Content uses more of the screen
- Adapts to smaller screens (tablets, phones)
- Tailored displays for dominant usage patterns
- Added filters to reduce data overload
- Why change?
 - Looked at Google analytics data
 - Streamline common page flows
 - Bring key data “above the fold” on the home page
 - In need of refresh / modernization

Portal preferences

Default tab for the homepage

Default homepage style (for slices and projects)

Default tab for slice page

Save preferences

<https://portal.geni.net/secure/profile.php#preferences>

GENI Aggregate Status

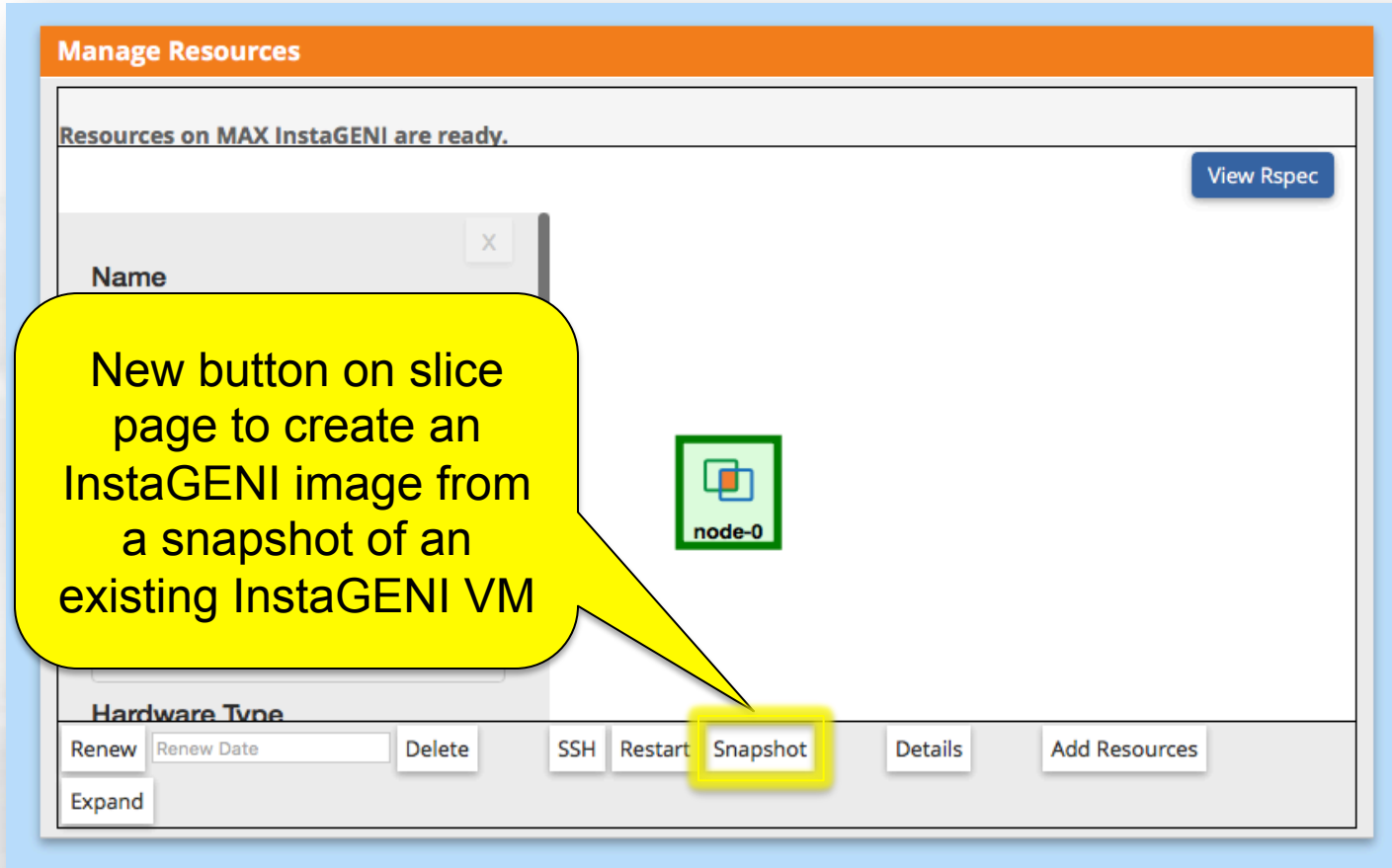
Current aggregate responsiveness to GENI AM API calls

Search:

Name ↑↓	Status ↑↓
Apt	✓ Up
Case Western InstaGENI	✓ Up
CENIC InstaGENI	✓ Up
CENIC InstaGENI OpenFlow	✓ Up
CENIC OpenFlow	! Down
Clemson InstaGENI	✓ Up
Clemson InstaGENI OpenFlow	✓ Up
Clemson OpenGENI	✓ Up
Cornell InstaGENI	✓ Up
Cornell InstaGENI OpenFlow	✓ Up
ExoSM	✓ Up
FIU ExoGENI	! Down
Georgia Tech InstaGENI	! Down

<https://portal.geni.net/amstatus.php>

Create Image From Snapshot



Manage Resources

Resources on MAX InstaGENI are ready. [View Rspec](#)

Name

node-0

Hardware Type

Renew Delete SSH Restart **Snapshot** Details Add Resources

Expand

New button on slice page to create an InstaGENI image from a snapshot of an existing InstaGENI VM



- Identity federation between GENI Portal and Chameleon Cloud
- An account on either gets you access to both

More Info: <https://www.chameleoncloud.org>

- Bug fixes for common federation API client
 - Umar Toseef
- Stitcher manifest RSpec merging fixes
 - Hussamuddin Nasir
- Multiple improvements and fixes to aggregate manager reference implementation
 - David Margery, Eduardo Miravalls Sierra, Álvaro Manuel Recio Pérez
- Improved AL2S aggregate support
- More documentation moved to GitHub

Details at <https://github.com/GENI-NSF/geni-tools/releases>

GitHub

- File bugs and feature requests as “Issues”
- Submit fixes and enhancements via “Pull Requests”
- Browse the source code
- View release notes
- Download omni / stitcher

<https://github.com/GENI-NSF>



Experimenters

GENI Users Google Group

<https://groups.google.com/forum/#!forum/geni-users>

Developers

GENI Developers Google Group

<https://groups.google.com/forum/#!forum/geni-developers>

