Grouper BoF
Global Summit
2016
Grouper BoF Agenda

- Welcome
- Agenda bash
- Core team
- What is Grouper
- TIER
- Release 2.3.0
- Roadmap and scheduling
- Community contributions
- Upcoming events
- Discussion
Core team

- Bert Bee-Lindgren (GaTech) - provisioning
- Misagh Moayyed (Unicon) works on Grouper/TIER, initially focused on build/package management
- Vivek Sachdeva (independent) - WS
- Chris Hyzer (Penn) - Grouper lead, API, WS, and UI
- Shilen Patel (Duke) - API and everything else
- Emily Eisbruch (Internet2) - TIER work group lead
What is Grouper

- Enterprise access management system
- Centralized groups and permissions
- Delegated control
- Share access across applications
- WS
- UI intended for any user to manage a group
- Provisions to LDAP / AD / SAML
- Auditing
- Automatic deprovisioning
TIER

- Trust and Identity in Education and Research
- Requirements and funding from institutions (join!)
- Suite of products that can be installed / managed consistently
  - Grouper docker container
  - Soon to be a Grouper VM image
- WS API
  - Consists of SCIM with TIER extensions
  - Leverages Penn States SCIM implementation
- Instrumentation (logging, dashboards, adoption rates, etc)
- And more…
Release 2.3.0 new features

• Grouper Loader improvements including scheduling configuration to facilitate high-availability changes and, handling unresolvable subjects
• New Web Service operations for attribute definitions, actions, and messaging
Release 2.3.0 new features (continued)

- Grouper messaging system with integration to the change log and ESB
- UI screens for attribute definitions and inherited privileges
- Export to GSH - allows export of Grouper objects to a Grouper Shell (GSH) script
- Folder privileges have been changed to be "admin" and "create" instead of "stem" and "create"
- TIER API "hasMember" operation implemented in the Grouper web services module to support integration and interoperability. Well, this is already out of date
Release 2.3.0 - provisioning

- Provisioning Service Provider Next Generation (PSPNG)
  - Simplify configuration
  - Increase performance
- 2.3.0 Provisioning targets
  - LDAP groups
  - Active Directory groups
  - LDAP attributes (entitlements)
- Other features:
  - Incremental and full refresh
  - Group selection: by folder or group, or both
  - Higher-level and higher-performance programming API
Grouper roadmap

- TIER packaging (continued)
- Revise building and package management (continued)
- UI
  - incorporate more rules
  - wizards for configuration
  - support attributes / permissions / etc
- PSPNG refinements
- Upgrade vt-ldap to ldaptive
- Improve GSH
- TIER SCIM API
- Grouper instrumentation
Provisioning opportunities (post 2.3.0)

- Grouper messaging
- Automated integration tests
- Deprovisioning safety nets
- More targets: suggestions?
Grouper roadmap schedule

• Grouper 2.4 in Q1 2017
• This release is time based, not feature based, so not exactly sure what will be in it, will know more at TechEx
• We will be spending time supporting 2.3 in the near term and then focusing on 2.4
• We would like to do yearly major releases in the spring
• Minor releases we are not sure
  • If they don’t take a lot of time maybe quarterly
  • Maybe snapshot releases that include patches?
• Patches as needed
Things you can do to help

• TIER
  • Join
  • Voice your priorities
  • Participate in working groups
• Share your Grouper experience
  • Update it from time to time
  • https://spaces.internet2.edu/display/Grouper/Community+Contributions
• See or email Emily Eisbruch (emily@internet2.edu) for help setting up your Grouper contrib page
Lafayette College  *(Updated Aug. 2015)*- Pilot Deployment with VPN use

LIGO  *(Updated Oct. 2014)* using Grouper to support multiple authorizations

New York University  *(Updated June 2015)* Grouper deployment at NYU

Newcastle University  *(Updated April 2014)*- A video on how groups and room booking, wireless access and more.

Northern Arizona University - See how Northern Arizona University integ

Oregon State University  *(Updated June 2015)*– using Grouper for vide

Penn State University  *(Updated Feb. 2015)* Using Grouper with the Ce

Simon Fraser University - Using the Grouper Leader, the ChangeLog and
Upcoming events

Apereo next week

• Grouper in Action - Access Management Strategies for Higher Education and Research
• Exploring Internet2 Grouper & NIST RBAC/ABAC
• Scriptable Grouper - Lafayette College's Big Fish Story

IAM online

• IAM Webinar Wed. July 13, 2016 at 2pm ET (Grouper stories)
Community feedback and discussion

https://spaces.internet2.edu/display/Grouper
https://spaces.internet2.edu/display/groupерtrain