Grouper BoF
Global Summit
2016

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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 Well, this is already out of date

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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 authorizatio

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

Newcastle University (Updated April 2014)-   A video on how groups ar
om 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 Loader, the Changelog an

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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/groupertrain