AUGUST 2011

GROUPER SURVEY SUMMARY

GROUPER SURVEY GOALS

1) Assess adoption of Grouper

2) Inform the Grouper team on the requirements of the current and potential user base, in order to better meet the community's needs

GROUPER SURVEY OVERVIEW

TIME PERIOD: survey conducted June 22 to July 13, 2011

INSTRUMENT: SurveyMonkey
(view survey questions: http://www.internet2.edu/grouper/docs/GrouperSurvey_201106_.pdf)

OUTREACH VIA:

- Email lists (Grouper-Users, EDUCAUSE IdM, Middleware-announce, MACE-paccman, Kuali, TERENA, etc.)

- Personal emails to participants on Grouper-users list

ADDITIONAL ANALYSIS:

- Examined Grouper code download history since March 2010

PARTICIPATION

Total Respondents: 121

Respondents who identified themselves: 69

RESPONDENTS BY STAGE WITH GROUPER

Stage with Grouper	Respondents	Respondents who identified themselves
Using Grouper in Production	37	24 institutions (some with multiple sites)
Deploying Grouper but not yet in production	20	13
Evaluating Grouper	40	21
Not familiar with or not evaluating	24	9

EVALUATING GROUPER (21 identified institutions)

- CalNet Identity and Access Management / UC Berkeley
- Columbia University
- Harvard University
- Lafayette College
- North Dakota State University
- Penn State
- The University of Iowa
- UCLA
- UMass Amherst
- UMBC
- Unicon
- University of Auckland

- University of Auckland
- University of Bristol
- University of California, Davis
- University of New Hampshire
- University of South Carolina
- University of Southern California
- University of Victoria, BC, Canada
- University of Wisconsin-Milwaukee
- UTHSCH (UT Health Science Center at Houston)

Length of Time Evaluating Grouper

DEPLOYING GROUPER BUT NOT YET IN PRODUCTION (13 identified institutions)

- CAL Poly San Luis Obispo
- Campus Crusade for Christ, Inc.
- CESNET, Masaryk University
- Internet2/COmanage
- Medical University of South Carolina
- New York University
- Simon Fraser University

- Texas A&M University
- Universita' di Modena e Reggio Emilia
- Universite Lille1
- Université Paul Cézanne (France)
- Université Pierre et Marie CURIE - Paris 6
- University of Oxford

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USING GROUPER IN PRODUCTION
(24 identified institutions, some with multiple sites)

- Brown University
- Cancer Biomedical Informatics Grid (caBIG)
- Cardiff University
- Duke University
- Freie Universität Berlin
- GIP RECIA - Orléans, France
- LIGO
- Newcastle University, UK
- North-West University, South Africa
- Northern Arizona University
- Rice University
- SURFnet
- The University of Chicago
- The University of Edinburgh
- Université Bordeaux 1
- University of Arizona
- University of British Columbia
- University of Hawaii
- University of Memphis
- University of Minnesota
- University of Pennsylvania
- University of Washington
- Western University of Bohemia

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MULTI-SITE DEPLOYMENTS

Seven respondents reported their Grouper deployment involves multiple sites, including these:

- The **Nation Cancer Institute Biomedical Informatics Grid** (caBIG®) provides secure access using GridGrouper, built using Grouper.

- **GIP RECIA / ESUP Portail** serves over 230 schools in France with a uPortal and Grouper working environment.

- **SURFnet** (Dutch Research and Education Network) uses Grouper in their collaboration environment, available to all Dutch institutions of higher education. An "OpenConext" open source code base -- also using Grouper -- is available to the international community.

MULTI-SITE DEPLOYMENTS (continued)

Also reporting their Grouper deployment involves multiple sites:

- University of Minnesota – 5 campuses
- University of Hawaii – 10 campuses
- North-West University, South Africa – 3 sites
- Cardiff University, UK – multiple sites

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GROUPER DOWNLOAD HISTORY ANALYSIS

Concurrently with the Grouper survey, a review was conducted of Grouper software downloads since March 2010. Findings:

- 125 institutions downloaded the Grouper software since March 2010 (i.e., since the release of v1.5).

- Multiple countries were represented besides the US, including Australia, Canada, Czech Republic, France, Germany, Italy, Japan, Netherlands, Poland, Sweden, and the United Kingdom.

TAKE-AWAYS FROM RESPONDENTS' PROFILE AND FROM DOWNLOAD HISTORY

- Growing user base

- International adoption (4 continents)

- Healthy pipeline of organizations interested in Grouper

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INTEREST IN FEATURES

Feature	Using or Planning to Use	Considering or Interested	Total
Groups	43	35	78
Centralized management	36	33	69
Grouper web services	32	36	68
Attributes	31	32	63
Permissions	29	33	62
Decentralized management	26	36	62
Grouper Shell	36	25	61
LDAP provisioning connector	22	37	59

INTEREST IN FEATURES (continued)

Feature	Using or Planning to Use	Considering or Interested	Total
Roles	15	38	53
Hooks	21	24	45
ESB Connector	7	23	30
Atlassian Connector	1	16	17
Kuali Connector	2	10	12

GROUPER IS BEING USED WITH

- Access to e-Journals
- Access to intranet
- Access to computer rooms
- Account Management software
- Active Directory
- ASTRA authorization system
- Atlassian Crowd
- Exchange
- Filestore access control
- Filesharing software
- Google Group provisioning

- In-house built courseware
- In-house built institutional IdM
- LDAP
- Listserv
- LMS
- Novell eDirectory
- OpenCMS
- Oracle BPEL
- Personalization of portal content
- Sakai (integration with Grouper underway)
- Secure Space

- Service entitlement core services
- Shibboleth
- Subversion
- Sun Identity Management
- Timetabling system
- uPortal
- VPN
- Wiki
- Wireless Internet

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TAKE-AWAYS FROM FEATURES AND APPS DATA

- Most Grouper capabilities are being used by or are of interest to a broad range of users.

- Grouper's flexible architecture allows it to be leveraged with a multitude of applications -- over 30 were mentioned by survey respondents.

GROUPER STRENGTHS

Strengths mentioned by survey respondents include:

- Comprehensive approach

- Robust

- Multi-featured

- Strong community -- excellent support from the developers and others on the mailing list

- Introduces standards for groups and permissions management

ADOPTION OBSTACLES

Obstacles to Grouper deployment mentioned by respondents in the "evaluating" category clustered into:

- Insufficient resources or priority for an access management project.

- Commitment to a legacy environment or to a commercial IAM suite.

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CONCERNS AND PLAN FOR ADDRESSING

Concern	Grouper Team Plan for Addressing
Admin UI is not suited to non-technical users.	Grouper team is planning to integrate the several single-task focused Lite Uis into a comprehensive Ajax-based UI targeting substantial completion for Grouper v2.2.
It's gotten easier to deploy, but it's still complicated.	The documentation wiki needs improvement
The LDAP provisioning connector isn't sufficiently performant, primarily because it lacks real time incremental provisioning capability.	This will be delivered in Grouper v2.1.

Preference for receiving info on Grouper
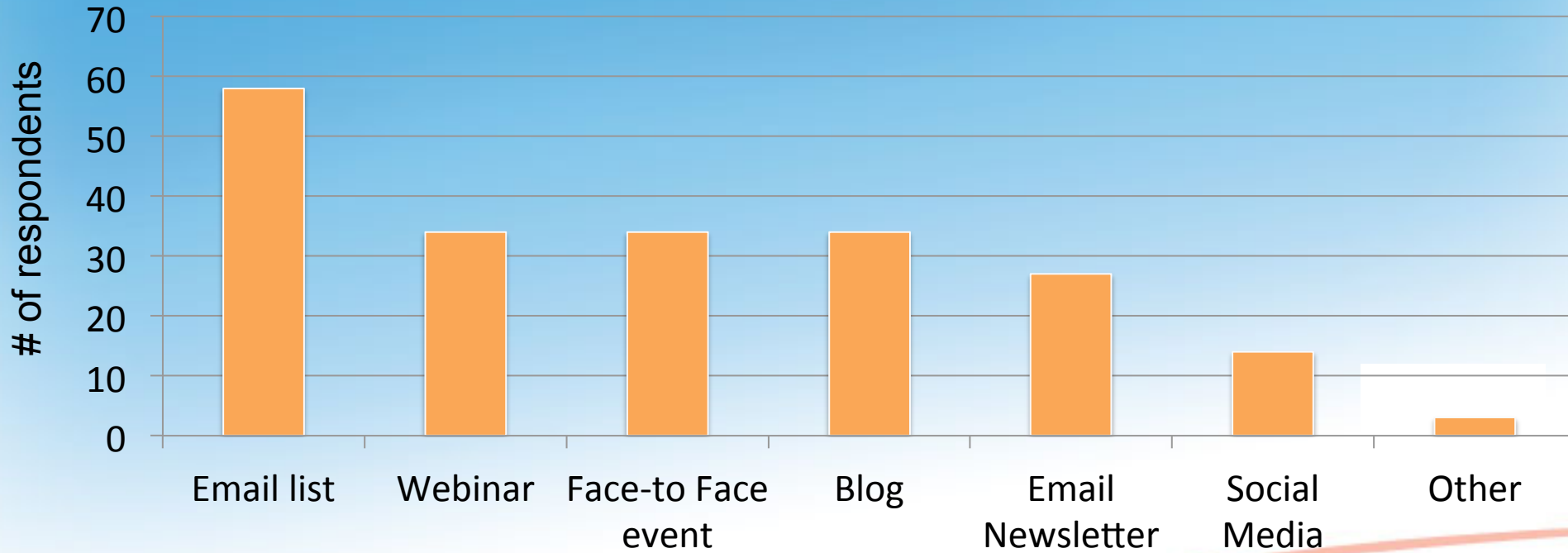
Social Media Preference
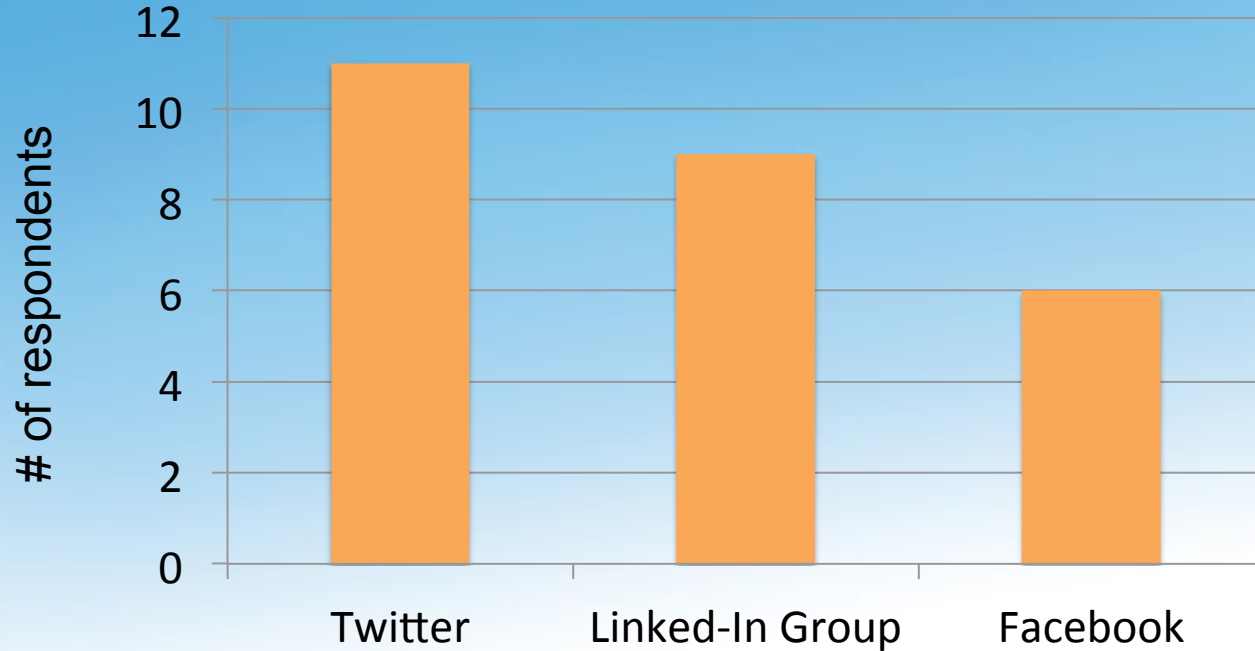
SUMMARY

- Grouper adoption is spreading within the U.S. and internationally

- Identified strengths include Grouper's comprehensive approach and the engaged user community

- Improvement of the Grouper documentation will enhance the deployment experience

- Additional outreach should be considered via webinars and other training modalities

GROUPER SURVEY SUMMARY

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Emily Eisbruch, Internet2

Tom Barton, University of Chicago

For more information, visit www.internet2.edu/grouper