

Documents & Presentations

| | | | | | |
|---------------------------|----------------------------------|--------------------------------|---|-------------------------------------|---------------------------------|
| Wiki Home | Download Grouper | Grouper Guides | Community Contributions | Developer Resources | Grouper Website |
|---------------------------|----------------------------------|--------------------------------|---|-------------------------------------|---------------------------------|

- [Adding a WG Member Document or Presentation](#)
- [WG Member \(and Community\) Presentations](#)
- [WG Archived Documents](#)
- [Early Foundational Documents on Directories and Groups](#)

Adding a WG Member Document or Presentation

1. Insert a row at the top of the appropriate table (newer items at top, older items at bottom).
2. Attach your Document or Presentation. Or link to a file on another server.
3. Add your information!
4. *Note: You may link directly to an attachment of this page.*

WG Member (and Community) Presentations

Note: To search by Speaker, please visit the Internet2 [Speakers Bureau](#).

PDF Slides

PPT Slides

| | Presentation Title | Author / Editor | Author Home | Venue | Date | .HTML | .PDF | .PPT | .ODP | etc. |
|--|--|---|--|-----------------------------------|-----------------|---|---------------------|------|------|------|
| | Advance CAMP 2019 sessions on Grouper | various | various | 2019 Internet2 TechEx New Orleans | Dec 12-13, 2019 | Grouper Futures and Can Grouper be used to document access controls Grouper Deployment Guide - What's Next Grouper Designing Role Access in Hierarchy Service Grace Periods in Grouper | | | | |
| | Provisioning and Access management: Case Studies with Grouper and COmanage | William Thompson Lafayette College, Laura Paglione Spherical Cow Group, Carey Black Ohio State U | | 2019 Internet2 TechEx New Orleans | Dec. 10, 2019 | | pdf | | | |
| | Paranoid IAM: Process and Architecture | Mary McKee and Shilen Patel, Duke | Duke | 2019 Internet2 TechEx New Orleans | Dec 12, 2019 | | pdf | | | |
| | Grouper TechEx Fish of a Fin | Chris Hyzer Shilen Patel Chad Redman Bill Thompson | Penn Duke UNC LaFayette | 2019 Internet2 TechEx New Orleans | Dec 11, 2019 | Google doc | pdf | | | |
| | Grouper container in cloud | Keith Wessel Ethan Kromhout Erik Coleman Bill Thompson Chris Hyzer Chris Hubing | Illinois UNC Illinois LaFayette Penn Internet2 | 2019 Internet2 TechEx New Orleans | Dec 11, 2019 | Google doc | pdf | | | |

| | | | | | | | | | |
|---|---|--|---|--------------------|---|---|---|--|---------------|
| Grouper BaseCAMP session | Chris Hyzer Shilen Patel | Penn Duke | BaseCAMP in Milwaukee | August 15, 2019 | Google doc: https://docs.google.com/presentation/d/1NtwzvoGV4ntVdUZh3-mVv_iZNHjBmPBZ1hDQPX0twVE/edit#slide=id.g55eac3c3200_0_225 | pdf | pptx | | |
| Grouper Training Materials | Chris Hyzer, Bill Thompson | | InCommon Grouper School Series in Madison | June 2019 | https://spaces.at.internet2.edu/x/IRjtBw | | | | |
| Grouper BOF | Chris Hyzer, Shilen Patel | Penn, Duke | 2019 Global Summit in DC | March 6, 2019 | | 2019 - Grouper BoF at Global Summit (PDF) | 2019 Grouper BoF at Global Summit (PPT) | | |
| Advance CAMP 2018 sessions on Grouper | various | | | | Grouperfest Advance CAMP discussion Grouper Deployment Guide v2 Advance CAMP discussion | | | | |
| Latest Grouper recipes | Chris Hyzer Michael Gettes Chad Redman Chris Sutherin Bert Bee-Lindgren John Gasper Carl Waldbieser James Babb | Penn Florida UNC UMBC GA Tech Unicon Lafayette College Internet2 | 2018 Internet2 TechEx Orlando | Oct 17, 2018 | | 2018 - TechEx Latest Grouper recipes.pdf | 2018 - TechEx Latest Grouper recipes.pptx | | Google slides |
| Grouper BoF | Chris Hyzer Bill Thompson Shilen Patel Bert Bee-Lindgren Chad Redman | Penn Lafayette Duke GA Tech UNC | 2018 Internet2 TechEx Orlando | Oct 16, 2018 | | 2018 - TechEx Grouper BoF.pdf | 2018 - TechEx Grouper BoF.pptx | | |
| TIER Access Governance with Grouper and Friends | Bill Thompson Carl Waldbieser James Babb Chris Hyzer | Lafayette Lafayette Internet2 Penn | 2018 Internet2 TechEx Orlando | Oct 15, 2018 | Grouper Training Environment | Grouper Basics 101 part 1 Grouper Basics 101 part 2 Grouper Basics 101 part 3 Grouper Security Model 211 | | | |
| IAM Access Governance and Grouper 2.4 | Bill Thompson Chris Hyzer | Lafayette (Bill); Penn (Chris) | IAM Online webinar | Sept 12, 2018 | | PDF Slides Zoom Webinar | | | |
| Is Grouper the Answer for Role-based Access? It sure is for Deprovisioning! | Karen Herrington Keith Wessel Bill Thompson Chris Hyzer | Virginia Tech Illinois Lafayette Penn | 2018 Internet2 Global Summit | May, 2018 | | RBAC and Grouper Big Ten Academic Alliance Grouper ABAC @ Lafayette College Grouper deprovisioning T title | Grouper deprovisioning Title | | |
| Grouper BOF | Chris Hyzer Bill Thompson Shilen Patel Bert Bee-Lindgren | Penn Lafayette Duke Georgia Tech | 2018 Internet2 Global Summit | May, 2018 | | Grouper BoF pdf | Grouper BoF pptx | | |

| | | | | | | | | | |
|---|---|--|---|---------------------------|--|---|---|--|--|
| Grouper in Action Tutorial (4 hour session) | Chris Hyzer Bill Thompson Keith Wessel Chris Hubing Shilen Patel | Penn Lafayette Illinois Internet2 Duke | 2018 Internet2 Global Summit | May, 2018 | | Intro, hands on, Grouper TIER packaging TIER Subject Attribute Management and Access Governance Lafayette Reference Groups Grouper @Illinois | Intro, hands on Grouper @ Illinois | | |
| Grouper BOF | Bill Thompson Chris Hyzer Shilen Patel Bert Bee-Lindgren | Lafayette Penn Duke GaTech | 2017 Internet2 TechEx SF | Oct 17, 2017 | | PDF Slides | Grouper BoF | | |
| Grouper in Action Tutorial (4 hour session) | Bill Thompson Chris Hyzer Carl Waldbi eser Bert Bee-Lindgren | Lafayette Penn Lafayette GaTech | 2017 Internet2 TechEx SF | Oct 15, 2017, 8am to noon | | Chirs Hyzer - intro, overview and hands on Grouper at Lafayette Grouper at Georgia Tech & PSP Grouper Deployment Guide | PPT Chris Hyzer intro and overview | | |
| Grouper BOF | Chris Hyzer, Shilen Patel Bert Bee-Lindgren Bill Thompson | Penn Duke Georgia Tech Lafayette College | 2017 Internet2 Global summit in DC | Apr 25, 2017 | | PDF Slides | | | |
| Grouper BOF | Chris Hyzer, Shilen Patel Bert Bee-Lindgren Bill Thompson | Penn Duke Georgia Tech Lafayette College | 2016 Internet2 Technology Exchange in Miami | Sept 27, 2016 | | PDF Slides | | | |
| Grouper Provisioning: Locally and Cloud | Chris Hyzer, Bert Bee-Lindgren Bill Thompson | Penn Georgia Tech Lafayette College | 2016 Internet2 Technology Exchange in Miami | Sept 26, 2016 | | PDF Slides | | | |
| Shibboleth and Grouper at UCLA | Warren Leung, IAM Program Manager, UCLA, John Gasper, IAM Consultant, Unicon, Inc. | | InCommon Affiliate Webinar | Sept. 22, 2016 | | PDF Slides Webinar | | | |

| | | | | | | | | | |
|---|--|--|--|-----------------|--|----------------------------|--|--|---|
| Grouper Intro and Case Studies, IAM Online | Bert Bee-Lindgren, John Bryson, Madan Dorairaj, Chris Hyzer, Julio Macavilca, Carl Waldbieser, | Georgia Tech New York University University of Pennsylvania Lafayette College | IAM Online webinar | July 13, 2016 | | PDF Slides | | | |
| Scriptable Grouper | Carl Waldbeiser | Lafayette College | Open Apereo 2016 | May 2016 | | | | | https://cwaldbie.ser.github.io/reveal.js/#/ |
| Exploring Internet2 Grouper & NIST RBAC/ABAC | Misagh Moayyed, William G. Thompson, Jr, | Unicon Lafayette College | Open Apereo 2016 | May 25, 2016 | | PDF Slides | | | |
| Grouper in Action at NYU | Jeff Pasch, Julio Macavilca, Madan Dorairaj | New York University | Open Apereo 2016 | May 22, 2016 | | PDF Slides | | | |
| Grouper in Action: Access Management Strategies for Higher Education and Research | Chris Hyzer, Bill Thompson, Jeff Pasch, Julio Mascavilca, Madan Dorairaj | University of Pennsylvania Lafayette College New York University | Open Apereo 2016 | May 22, 2016 | | PDF Slides | | | |
| Grouper in Action: Access Policy and Reference Groups @ Lafayette College | William G. Thompson, Jr., | Lafayette College | Open Apereo 2016 | May 22, 2016 | | PDF Slides | | | |
| Grouper Birds of Feather session | Chris Hyzer | University of Pennsylvania | 2016 Global Summit | May 18, 2016 | | PDF Slides | | | |
| Grouper Birds of Feather session | Chris Hyzer | University of Pennsylvania | 2015 TechEx | October 6, 2015 | | PDF Slides | | | |
| IAM Online: Three Access Management Cases Studies | Mandeep Saini, Andrew Morgan, Albert Wu | GEANT, Oregon State University, UCLA | IAM Online Webinar | June 10, 2015 | | PDF Slides | | | |
| Grouper Working Group | Chris Hyzer | University of Pennsylvania | 2014 Technology Exchange in Indianapolis | Oct 29, 2014 | | PDF Slides | | | |
| Implementing Grouper to Federate User Authorization | Andrea Biancini Consortium GARR and Maarten Kremers Surfnet BV | | 2014 Technology Exchange in Indianapolis | Oct. 29, 2014 | | PDF Slides | | | |
| IAM Online: The New Grouper: Its New User Interface and More | Chris Hyer, Shilen Patel, Dave Langenberg | | IAM Online Webinar | Sept. 10, 2014 | | PDF slides | | | Recorded Webinar using Adobe Connect |

| | | | | | | | | | | |
|--|---|---|-------------------------------------|--|-----------------|-------------------------------------|---|--------------|--|--|
| | Grouper for Beginners, How to create a group for each course section and provision to Active Directory | Bryan Wooten, University of Wooten | | Open Apereo 2014 Conference | June 3, 2014 | | PDF of slides | | | Video of presentation |
| | Grouper intro, high availability, and new UI | Chris Hyzer | | Penn | May 26, 2013 | | penngroupsUi Availability.pdf | pptx | | High availability demo UI demo |
| | Enterprise Authorization Strategies - Intro to Grouper | Chris Hyzer (Penn) and Bill Thompson (Unicon) | | Open Apereo 2013 Conference | June 2, 2013 | | GrouperTraining-Apereo-part1.pdf GrouperTraining-Apereo-part2.pdf GrouperTraining-Apereo_part3.pdf | ppt2 ppt3 | | youtube1 youtube2 youtube3 youtube4 |
| | Grouper Virtual Working Group | Tom Barton of U. Chicago, Chris Hyzer of U. Penn, Chris Bongaarts of U. Minnesota Michael Hodges of U. Hawaii | | IAM Online | May 20, 2013 | Link to the webinar | PDF | | | |
| | IAM Online: Three Campus Case Studies of Managing Access with Grouper | Paul Donahue, U. of Wisc-Madison, Sébastien Gagné, U. of Montreal, Rahul Doshi and Michael Gettes, Carnegie Mellon U. | | IAM Online Webinar | March 13, 2013 | Link to the webinar | PDF | | | |
| | Grouper after Groups Enabling Net+ Services with PAP, PEP, and PDP...Oh My! | Bill Thompson Unicon and Chris Hyzer | | I2MM Fall Member Meeting 2012 | October 3, 2012 | | PDF | | | |
| | One Fish Two Fish... Intro to Grouper | Bill Thompson, Unicon and Shilen Patel, Duke | | Jasig Sakai Conference in Atlanta, June 2012 | June 13, 2012 | | | | | |
| | Integrating Sakai OAE with Grouper | Erik Froese | Hallway Technologies | Jasig Sakai Conference in Atlanta, June 2012 | June 12, 2012 | | https://wiki.jasig.org/download/attachments/52957868/oea-grouper-2012.pdf | | | |
| | Access Management and Grouper | Tom Barton | University of Chicago | Internet2 Spring Member Meeting | April 25, 2012 | | | | | |
| | Grouper Working Group Presentation | Tom Barton, Tom Zeller, Shilen Patel | University of Chicago, Unicon, Duke | Internet2 Spring Member Meeting | April 23, 2012 | | | | | |
| | Grouper Working Group Presentation and Discussion Notes (focus on Grouper 2.0 and beyond) | Tom Barton | University of Chicago | Internet2 Fall Member Meeting | Oct. 3 2011 | | | | | |
| | Grouper external users example | Chris Hyzer | University of Pennsylvania | Internet2 Fall Member Meeting - session titled " Getting to a Full-spectrum Open Source Identity and Access Management Solution" | Oct. 5 2011 | | PDF | | | |
| | Where sidewalk used to end, centralized privilege management | Chris Hyzer | University of Pennsylvania | Internet2 Fall Member Meeting | Oct. 4 2011 | | | | | |

| | | | | | | | | | | | |
|----|---|--|---|---|--------------|--|--|---------------------|---------------------|--|--|
| | IAM Online - Oracle FGAC permissions and Grouper | Chris Hyzer | University of Pennsylvania | Webcast | Sept 2011 | | | PDF | | | |
| | Grouper Survey Summary | Tom Barton | University of Chicago | | Aug. 2011 | | | PDF | | | |
| | PSU permissions | Chris Hyzer | University of Pennsylvania | Penn State | July 2011 | | | | | | |
| | Getting Started with Grouper | Tom Barton | University of Chicago | Jasig Spotlight on Open Source Conference in May 2011, Getting Started with Grouper Supplementary Seminar | May 2011 | | | | | | |
| | What's New With Grouper: Attribute Framework, Penn's Secure Space, Atlassian Connector, Group Sync with Another Grouper, Upgrading from Grouper 1.6 | Chris Hyzer | University of Pennsylvania | Internet2 2011 Spring Member Meeting | April 2011 | | | | | | |
| | What's New With Grouper: Member Search and Sort, Point-in-time Audit | Shilen Patel | Duke | Internet2 2011 Spring Member Meeting | April 2011 | | | | | | |
| | Delegated Access Control in Grouper using Active Directory | Rob Carter and Shilen Patel | Duke | Internet2 2010 Fall Member Meeting | Nov. 2010 | | | | | | |
| | What's New with Grouper | Chris Hyzer | University of Pennsylvania | Internet2 2010 Fall Member Meeting | Nov. 2010 | | | | | | |
| | University of Washington Groups Service | Jim Fox | University of Washington | Internet2 2010 Fall Member Meeting | Nov. 2010 | | | | | | |
| | Using Grouper: Newcastle University Case Study | Richard James | Newcastle | Internet2 Fall Member Meeting | Nov 2010 | | | | | | |
| 28 | Kuali eDoclite and Grouper for access forms workflow at Penn | Chris Hyzer | University of Pennsylvania | Kuali Days 2010 | Nov 2010 | | | | | | |
| 27 | IAM Online Webinar Slides Covers integration of Grouper with Kuali Rice KIM and with uPortal | Tom Barton Chris Hyzer | U. Chicago, University of Pennsylvania | Webinar Titled "Advanced Issues in Identity Access and Management - Toward Common Identity Services" | May 13, 2010 | | | | | | |
| 26 | Identity Management for the LIGO Project | Scott Koranda | University of Wisconsin-Milwaukee | Internet2 Spring Member Meeting (April 2010) | | | | | | | |
| 25 | What's New With Grouper | Chris Hyzer | University of Pennsylvania | Internet2 Spring Member Meeting(April 2010) | | | | | | | |
| 24 | Using Grouper to Manage AD Permissions | Rob Carter Shilen Patel | Duke | Internet2 Spring Member Meeting(April 2010) | | | | | | | |
| 23 | UC Groups: An Access Management Service <i>Note: This was a lightning round talk</i> | Tom Barton | U. Chicago | EDUCAUSE Midwest Regional Conference in Chicago | March 2010 | | | | | | |
| 22 | Toward Common Identity Services | Tom Barton | U. Chicago | Jasig Spring 2010 Conference in San Diego | March 2010 | | | | | | |
| 21 | Interview with Tom Barton November 2009 | Tom Barton and Emily Eisbruch | U. Chicago | Available on the Grouper website homepage with the Grouper 1.5 release | | | | | | | |
| 20 | Whats new with Grouper | Chris Hyzer, Shilen Patel, Gary Brown | Penn, Duke, Bristol | Internet2 Fall Member Meeting 2009 | Oct 2009 | | | | ppt | | |
| 19 | Grouper Attributes and Privileges | Chris Hyzer | Univ of Penn | Access Management CAMP in Philadelphia | June 2009 | | | | ppt | | |
| 18 | Access Management with Grouper | Tom Barton | U. Chicago | Jasig Spring 2009 Conference in Dallas | March 2009 | | | pdf | | | |
| 17 | Grouper Web Services | Chris Hyzer | Univ of Penn | Philadelphia Java Users Group and Jasig Spring 09 Conference | Feb 2009 | | | | ppt | | |

| | | | | | | | | | | |
|----|---|---------------------------------|--------------------------|--|-------------|---|-----|-----|---|---|
| 16 | PennGroups - Central Authorization at Penn | Bill Kasenchar and Chris Hyzer | Univ of Penn | Educause MidAtlantic Regional Conference | 7-Jan-2009 | - | pdf | ppt | - | - |
| 15 | Grouper Backgrounder for Authorization WG | Tom Barton | U Chicago | caBIG AuthZ WG | 17-Jul-2006 | - | - | ppt | - | - |
| 14 | Grouper/Signet | Lynn McRae Tom Barton | Stanford U. U Chicago | Spring 2006 Internet2 Member Meeting; Alexandria, VA | 26-Apr-2006 | - | - | ppt | - | - |
| 13 | Use Cases | Lynn McRae | Stanford U. | Spring 2006 Internet2 Member Meeting; Alexandria, VA | 24-Apr-2006 | - | - | ppt | - | - |
| 12 | Use Cases Wrap up | Tom Barton | U. Chicago | Signet/Grouper Early Adopters Workshop; USC, LA, CA | 22-Mar-2006 | - | - | ppt | - | - |
| 11 | Signet and Grouper for Distributed Attribute Administration | Tom Barton | U Chicago | GGF15 | 3-Oct-2005 | - | - | ppt | - | - |
| 10 | Managing Authorization with Grouper and Signet | Tom Barton Lynn McRae | U Chicago\Stanford | Fall 2005 Internet2 Member Meeting | 20-Sep-2005 | - | - | ppt | - | - |
| 9 | Using Signet and Grouper for Access Management | Lynn McRae Tom Barton | Stanford U Chicago | Spring 2005 Internet2 Member Meeting | 03-May-2005 | - | - | ppt | - | - |
| 8 | Authorization Tools - I2/NMI Update: Signet, Grouper, & GridShib | Tom Barton | U. Chicago | TERENA TF-EMC2 Meeting Amsterdam, NL | Feb-2005 | - | - | ppt | - | - |
| 7 | Moving Beyond Implementation: Authorization | Tom Barton | U Chicago | NMI CAMP | 17-Nov-2004 | - | - | ppt | - | - |
| 6 | Leveraging Campus Directories: Lightweight Authorization and Group Management | Keith Hazelton | U Wisconsin-Madison | EDUCAUSE 2004 | 20-Oct-2004 | - | - | ppt | - | - |
| 5 | Grouper: A Toolkit for Managing Groups | Tom Barton | U Chicago | Fall 2004 Internet2 Member Meeting | 28-Sep-2004 | - | - | ppt | - | - |
| 4 | Introduction to Group Management | Tom Barton Blair Christensen | U Chicago | NMI CAMP | 30-Jun-2004 | - | - | ppt | - | - |
| 3 | Moving Beyond Implementation: Next Steps for Enterprise Directories | Tom Barton | U Chicago | NMI CAMP | 06-Feb-2004 | - | - | ppt | - | - |
| 2 | Authority Process & Policy | Sandra Senti | Stanford U. | NMI Advanced CAMP | 9-Jul-2003 | html | pdf | - | - | - |
| 1 | Topics in Directories: Groups | Tom Barton | U Memphis | NMI CAMP | 25-Jun-2002 | - | - | ppt | - | - |
| 0 | Identifiers, Authentication, and Directories: Best Practices for Higher Education | | | NMI-edit/Internet2 Middleware Initiative | 9-May-2000 | http://doi.org/10.26869/TI.24.1 | PDF | | | |

see this wiki <https://spaces.at.internet2.edu/x/IRjtBw>

WG Archived Documents

These documents have either been abandon or absorbed into other documents.

| | ARCHIVED Document | Author | Author Home | Venue | Notes | Date | . HTML | .PDF | . TXT |
|----|--|-------------------------------|----------------|------------------|-------|-------------|--------|---|-------|
| 15 | | | | | | | | | |
| 14 | | | | | | | | | |
| 13 | Grouper UI Demo | Gary Brown | U. Bristol, UK | Grouper | - | - | html | - | - |
| 12 | Grouper UI Architecture | Gary Brown | U. Bristol, UK | Grouper | - | - | html | - | - |
| 11 | Group Tools Architecture | Tom Barton | U. Chicago | MACE-Dir | - | Apr-2005 | | http://doi.org/10.26869/TI.64.1 | - |
| 10 | Grouper Roadmap | Blair Christensen | U. Wisconsin | Grouper | - | 15-Apr-2005 | html | - | - |
| 9 | Grouper Phase 1 Specifications (Draft) | Tom Barton, Blair Christensen | U. Chicago | MACE-Dir-Grouper | - | 3-May-2004 | html | - | - |
| 8 | Grouper API Search & Browse Capabilities | Tom Barton | U. Chicago | MACE-Dir-Groups | - | 4-Nov-2004 | html | - | - |
| 7 | Grouper Roadmap | Tom Barton | U. Chicago | MACE-Dir-Groups | - | 24-Feb-2004 | html | - | - |

| | | | | | | | | | |
|---|--|----------------|----------------|-----------------|---|-------------|----------------------|---|---|
| 6 | Strawman architecture for group Tools | Tom Barton | U. Chicago | MACE-Dir-Groups | - | 8-Oct-2003 | html | - | - |
| 5 | SAGE (Service for Authorized Group Editing) (Draft) | Tom Barton | U. Chicago | MACE-Dir-Groups | - | 24-Apr-2003 | html | - | - |
| 4 | Inter-Domain Data Exchange | Rob Banz | UMB | MACE-Dir | - | Oct-2002 | html | - | - |
| 3 | Groups Implementer's Guide | Eileen Shepard | Boston College | MACE-Dir-Groups | - | 6-June-2002 | html | - | - |
| 2 | MACE-Dir's Approach to Support of Authorization & Messaging by Core Middleware: Discussion Starter | Tom Barton | U. Memphis | MACE-Dir-Groups | - | 18-Jul-2001 | html | - | - |
| 1 | Directory Server Groups (People) | Todd Piket | MTU | MACE-Dir-Groups | - | 17-Jul-2001 | html | - | - |
| | | | | | | | | | |

Early Foundational Documents on Directories and Groups

1. [Group Tools Architecture](#) 6-Dec-2003, MACE-Dir
Tom Barton, U. Chicago
2. [Practices in Directory Groups](#) Oct-2002, MACE-Dir-Groups
Tom Barton, U. Chicago
3. [LDAP representations of membership in groups \(aka eduMember\)](#) 5-Jul-2005, MACE-Dir
Keith Hazelton, U. Wisconsin
4. [Group and membership concepts](#) 5-Jul-2005, MACE-Dir
Keith Hazelton, U. Wisconsin

See Also:

[Grouper Community Contributions](#)