

# Documents & Presentations

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| <a href="#">Wiki Home</a> | <a href="#">Download Grouper</a> | <a href="#">Grouper Guides</a> | <a href="#">Community Contributions</a> | <a href="#">Developer Resources</a> | <a href="#">Grouper Website</a> |
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## 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 | <a href="#">Grouper Futures and Can Grouper be used to document access controls</a><br><a href="#">Grouper Deployment Guide - What's Next</a><br><a href="#">Grouper Designing Role Access in Hierarchy</a><br><a href="#">Service Grace Periods in Grouper</a> |                     |      |      |      |
|  | Provisioning and Access management: Case Studies with Grouper and COmanage | William Thompson<br>Lafayette College,<br>Laura Paglione<br>Spherical Cow Group,<br>Carey Black<br>Ohio State U |  | 2019 Internet2 TechEx New Orleans | Dec. 10, 2019   |   | <a href="#">pdf</a> |      |      |      |
|  | Paranoid IAM: Process and Architecture                                     | Mary McKee<br>and Shilen Patel,<br>Duke   | Duke   | 2019 Internet2 TechEx New Orleans | Dec 12, 2019    |   | <a href="#">pdf</a> |      |      |      |
|  | Grouper TechEx Fish of a Fin   | Chris Hyzer<br>Shilen Patel<br>Chad Redman<br>Bill Thompson   | Penn Duke<br>UNC<br>LaFayette                        | 2019 Internet2 TechEx New Orleans | Dec 11, 2019    | <a href="#">Google doc</a>  | <a href="#">pdf</a> |      |      |      |
|  | Grouper container in cloud   | Keith Wessel<br>Ethan Kromhout<br>Erik Coleman<br>Bill Thompson<br>Chris Hyzer<br>Chris Hubing                  | Illinois UNC<br>Illinois LaFayette<br>Penn Internet2 | 2019 Internet2 TechEx New Orleans | Dec 11, 2019    | <a href="#">Google doc</a>  | <a href="#">pdf</a> |      |      |      |

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|---|---|--|---|--------------------|---|---|---|--|---------------|
| Grouper BaseCAMP session  | Chris Hyzer<br>Shilen Patel   | Penn<br>Duke   | BaseCAMP in<br>Milwaukee                  | August<br>15, 2019 | Google doc: <a href="https://docs.google.com/presentation/d/1NtwzvoGV4ntVdUZh3-mVv_iZNHjBmPBZ1hDQPX0twVE/edit#slide=id.g5eac3c3200_0_225">https://docs.google.com/presentation/d/1NtwzvoGV4ntVdUZh3-mVv_iZNHjBmPBZ1hDQPX0twVE/edit#slide=id.g5eac3c3200_0_225</a> | pdf   | pptx                                      |  |               |
| Grouper Training Materials  | Chris Hyzer, Bill Thompson  |  | InCommon Grouper School Series in Madison | June 2019          | <a href="https://spaces.at.internet2.edu/x/IRjtBw">https://spaces.at.internet2.edu/x/IRjtBw</a>   |   |   |  |               |
| Grouper BOF   | Chris Hyzer,<br>Shilen Patel  | Penn,<br>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<br><br>Grouper Deployment Guide v2 Advance CAMP discussion  |   |   |  |               |
| Latest Grouper recipes  | Chris Hyzer<br>Michael Gettes<br>Chad Redman<br>Chris Sutherin<br>Bert Bee-Lindgren<br>John Gasper<br>Carl Waldbieser<br>James Babb | Penn<br>Florida UNC<br>UMBC<br>GA Tech<br>Unicon<br>Lafayette College<br>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<br>Bill Thompson<br>Shilen Patel<br>Bert Bee-Lindgren<br>Chad Redman  | Penn<br>Lafayette Duke<br>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<br>Carl Waldbieser<br>James Babb<br>Chris Hyzer   | Lafayette<br>Lafayette Internet2<br>Penn   | 2018 Internet2 TechEx Orlando             | Oct 15, 2018       | Grouper Training Environment  | Grouper Basics 101 part 1<br>Grouper Basics 101 part 2<br>Grouper Basics 101 part 3<br>Grouper Security Model 211 |   |  |               |
| IAM Access Governance and Grouper 2.4                                       | Bill Thompson<br>Chris Hyzer  | Lafayette (Bill);<br>Penn (Chris)  | IAM Online webinar                        | Sept 12, 2018      |   | PDF Slides<br><br>Zoom Webinar  |   |  |               |
| Is Grouper the Answer for Role-based Access? It sure is for Deprovisioning! | Karen Herrington<br>Keith Wessel<br>Bill Thompson<br>Chris Hyzer  | Virginia Tech<br>Illinois Lafayette<br>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<br>Bill Thompson<br>Shilen Patel<br>Bert Bee-Lindgren   | Penn<br>Lafayette Duke<br>Georgia Tech   | 2018 Internet2 Global Summit              | May, 2018          |   | Grouper BoF pdf   | Grouper BoF pptx                          |  |               |

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

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

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|--|---|---|-------------------------------------|--|-----------------|-------------------------------------|---|--------------|--|--|
|  | 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<br>GrouperTraining-Apereo-part2.pdf<br>GrouperTraining-Apereo_part3.pdf  | ppt2<br>ppt3 |  | youtube1<br>youtube2<br>youtube3<br>youtube4 |
|  | Grouper Virtual Working Group   | Tom Barton of U. Chicago, Chris Hyzer of U. Penn, Chris Bongaarts of U. Minnesota<br>Michael Hodges of U. Hawaii      |                                     | IAM Online   | May 20, 2013    | <a href="#">Link to the webinar</a> | 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  | <a href="#">Link to the webinar</a> | 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   |              |  |  |
|  | <a href="#">One Fish Two Fish... Intro to Grouper</a>   | Bill Thompson, Unicon and Shilen Patel, Duke  |                                     | Jasig Sakai Conference in Atlanta, June 2012   | June 13, 2012   |                                     |   |              |  |  |
|  | <a href="#">Integrating Sakai OAE with Grouper</a>  | Erik Froese   | Hallway Technologies                | Jasig Sakai Conference in Atlanta, June 2012   | June 12, 2012   |                                     | <a href="https://wiki.jasig.org/download/attachments/52957868/oea-grouper-2012.pdf">https://wiki.jasig.org/download/attachments/52957868/oea-grouper-2012.pdf</a> |              |  |  |
|  | <a href="#">Access Management and Grouper</a>   | Tom Barton  | University of Chicago               | Internet2 Spring Member Meeting  | April 25, 2012  |                                     |   |              |  |  |
|  | <a href="#">Grouper Working Group Presentation</a>  | Tom Barton, Tom Zeller, Shilen Patel  | University of Chicago, Unicon, Duke | Internet2 Spring Member Meeting  | April 23, 2012  |                                     |   |              |  |  |
|  | <a href="#">Grouper Working Group Presentation and Discussion Notes (focus on Grouper 2.0 and beyond)</a> | Tom Barton  | University of Chicago               | Internet2 Fall Member Meeting  | Oct. 3 2011     |                                     |   |              |  |  |
|  | <a href="#">Grouper external users example</a>  | 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   |              |  |  |
|  | <a href="#">Where sidewalk used to end, centralized privilege management</a>                              | Chris Hyzer   | University of Pennsylvania          | Internet2 Fall Member Meeting  | Oct. 4 2011     |                                     |   |              |  |  |

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

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|----|---|---------------------------------|--------------------------|--|-------------|---|-----|-----|---|---|
| 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<br>Tom Barton        | Stanford U.<br>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<br>Lynn McRae        | U Chicago\Stanford       | Fall 2005 Internet2 Member Meeting                   | 20-Sep-2005 | -   | -   | ppt | - | - |
| 9  | Using Signet and Grouper for Access Management                                    | Lynn McRae<br>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<br>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  | <a href="http://doi.org/10.26869/TI.24.1">http://doi.org/10.26869/TI.24.1</a> | 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    |        | <a href="http://doi.org/10.26869/TI.64.1">http://doi.org/10.26869/TI.64.1</a> | -     |
| 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   | -   | -     |

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|---|--|----------------|----------------|-----------------|---|-------------|----------------------|---|---|
| 6 | Strawman architecture for group Tools  | Tom Barton     | U. Chicago     | MACE-Dir-Groups | - | 8-Oct-2003  | <a href="#">html</a> | - | - |
| 5 | SAGE (Service for Authorized Group Editing) (Draft)  | Tom Barton     | U. Chicago     | MACE-Dir-Groups | - | 24-Apr-2003 | <a href="#">html</a> | - | - |
| 4 | Inter-Domain Data Exchange   | Rob Banz       | UMB            | MACE-Dir        | - | Oct-2002    | <a href="#">html</a> | - | - |
| 3 | Groups Implementer's Guide   | Eileen Shepard | Boston College | MACE-Dir-Groups | - | 6-June-2002 | <a href="#">html</a> | - | - |
| 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 | <a href="#">html</a> | - | - |
| 1 | Directory Server Groups (People)   | Todd Piket     | MTU            | MACE-Dir-Groups | - | 17-Jul-2001 | <a href="#">html</a> | - | - |
|   |  |                |                |                 |   |             |                      |   |   |

## 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](#)