

# Grouper Training

|                           |                                  |                                |   |                                     |                                  |
|---------------------------|----------------------------------|--------------------------------|---|-------------------------------------|----------------------------------|
| <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="#">Deployment Guide</a> |
|---------------------------|----------------------------------|--------------------------------|---|-------------------------------------|----------------------------------|

## Welcome to Grouper Training

Welcome to Grouper Training, featuring Grouper experts explaining the info you need to know to get going with Grouper! [Meet the Grouper Trainers here.](#)

We invite your feedback or questions. Please email <groupertraining AT internet2 DOT edu>.

## Training Workshops

Training will be available several times a year. [A schedule of workshops is available here.](#)

|                           |                                  |                                |   |                                     |                                  |
|---------------------------|----------------------------------|--------------------------------|---|-------------------------------------|----------------------------------|
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|---------------------------|----------------------------------|--------------------------------|---|-------------------------------------|----------------------------------|

## Grouper School Workshop Series

Grouper School is a four-day workshop with a mix of lecture, hands-on training, and discussion. Participants will be guided through a series of condensed and accelerated learning modules. The modules start with Grouper basics and progress through new Grouper features, access governance, Grouper security model, and Grouper administration. The session culminates in with an access governance practicum that incorporates the InCommon Trusted Access Platform suite of components and provides a "full IAM stack" experience.

The target audience is anyone interested in implementing access governance the "InCommon way", and includes novices and folks who already have some Grouper experience.

Knowledge of identity management concepts and related implementation experience is strongly recommended.

| Upcoming Workshops             | Date                | Location |
|--------------------------------|---------------------|----------|
| <a href="#">Grouper School</a> | October 13-16, 2020 | online   |

  

| Previous Workshops               | Date                 | Location         |
|----------------------------------|----------------------|------------------|
| Grouper School                   | June 2-3, 2020       | online           |
| Grouper School                   | November 14-15, 2020 | Philadelphia, PA |
| Internet2 Technology Exchange    | October 15, 2018     | Orlando, FL      |
| University of Wisconsin, Madison | June 18 - 19, 2019   | Madison, WI      |

## Video Training Opportunities



Note that Grouper is a very actively developed product and these videos may not accurately reflect the current state of Grouper. The videos should, however, give you a good starting place.

To be notified when new Grouper Training Videos become available, please [add yourself to the Grouper Training announcement list HERE.](#)

You can click the 'Outline' links for an overview of each section's videos. Videos average 10 minutes in length.

**News:** As of April 2015, there are five new training videos on the Grouper 2.2 UI in the [End User Video series](#). There are also new training videos in the [System Administrator's track](#) on patching and upgrading Grouper.

Other Grouper training videos have not yet been updated for Grouper 2.2, however, most of the instructions in the videos still apply.

The Curriculum is divided into these four sections:

- [Grouper Training for Managers](#)
- [Grouper Training for System Administrators](#)

- [Grouper Training for Developers and Architects](#)
- [Grouper Training for End Users](#)

## Grouper 2.2 Overview Video (August 2014)

[Grouper 2.2 Overview](#)

### For Managers - Introduction to Grouper

[Outline](#)

| Video   | Slides              | Created   | Based on Grouper Version |
|---|---------------------|-----------|--------------------------|
| <a href="#">Access Management and Grouper</a>                 | <a href="#">PPT</a> | Feb. 2012 | 2.0                      |
| <a href="#">Grouper's Core Access Management Capabilities</a> | <a href="#">PPT</a> | Feb. 2012 | 2.0                      |
| <a href="#">Grouper Toolkit Components</a>                    | <a href="#">PPT</a> | Feb. 2012 | 2.0                      |

### For Grouper System Administrators

[Outline](#) (Be sure to check the [outline](#) for details on what's in each video below.)

| Video  | Slides              | Created    | Based on Grouper Version  |
|--|---------------------|------------|---------------------------|
| <a href="#">Deploying the TIER Grouper Image using Docker Swarm</a><br>(OUT OF DATE)   |                     | May 2018   | 2.3                       |
| <a href="#">Grouper Installer</a> (OUT OF DATE)  | <a href="#">PPT</a> | May 2012   | 2.1                       |
| <a href="#">Grouper Upgrader</a> (part of the Installer) (OUT OF DATE)   | <a href="#">PPT</a> | Mar 2015   | 2.2.1                     |
| <a href="#">Grouper Patching</a> (part of the installer) (OUT OF DATE)   | <a href="#">PPT</a> | Mar 2015   | 2.2.1                     |
| <a href="#">Grouper Minor Upgrade</a> (OUT OF DATE)  | <a href="#">PPT</a> | July 2012  | 2.1.0 to 2.1.1 as example |
| <a href="#">Grouper Deployments and Upgrade</a> (OUT OF DATE)<br><i>Note as of April 2015: In Grouper 2.2 and above, there is a new option for upgrading (see <a href="#">Grouper Upgrader</a> video). Also in Grouper 2.2 and above, configuration files are handled using overlay files, as <a href="#">documented here</a>.</i> | <a href="#">PPT</a> | May 2012   | 2.1                       |
| <a href="#">Grouper API - Part 1</a><br><i>Note: info on Grouper versioning in this video is out of date as of 2020</i>  | <a href="#">PPT</a> | Feb. 2012  | 2.1                       |
| <a href="#">Grouper API - Part 2</a>   | <a href="#">PPT</a> | March 2012 | 2.1                       |
| <a href="#">Subject API - Part 1</a>   | <a href="#">PPT</a> | June 2012  | 2.1                       |
| <a href="#">Subject API - Part 2</a>   | <a href="#">PPT</a> | June 2012  | 2.1                       |
| <a href="#">Subject API - Part 3</a>   | <a href="#">PPT</a> | June 2012  | 2.1                       |
| <a href="#">Subject API - Part 4</a>   | <a href="#">PPT</a> | June 2012  | 2.1                       |
| <a href="#">Grouper UI (Administering)- Part 1</a> (OUT OF DATE)   | <a href="#">PPT</a> | April 2012 | 2.1                       |
| <a href="#">Grouper UI (Administering)- Part 2</a> (OUT OF DATE)   | <a href="#">PPT</a> | April 2012 | 2.1                       |
| <a href="#">Grouper Web Services- Part 1</a>   | <a href="#">PPT</a> | April 2012 | 2.1                       |
| <a href="#">Grouper Web Services- Part 2</a>   | <a href="#">PPT</a> | May 2012   | 2.1                       |
| <a href="#">Grouper Client</a>   | <a href="#">PPT</a> | May 2012   | 2.1                       |
| <a href="#">Grouper Provisioning Service Provider (PSP) - Part 1</a><br>(OUT OF DATE)  | <a href="#">PPT</a> | May 2012   | 2.1                       |
| <a href="#">Grouper Provisioning Service Provider (PSP) - Part 2</a><br>(OUT OF DATE)  | <a href="#">PPT</a> | July 2012  | 2.1.1                     |
| <a href="#">Grouper Provisioning Service Provider (PSP) - Part 3</a><br>(OUT OF DATE)  | <a href="#">PPT</a> | July 2012  | 2.1.1                     |
| <a href="#">Grouper Provisioning Service Provider (PSP) - Part 4</a><br>(OUT OF DATE)  | <a href="#">PPT</a> | July 2012  | 2.1.1                     |
| <a href="#">Grouper Maintenance</a>  | <a href="#">PPT</a> | April 2012 | 2.1                       |

|  |                     |           |     |
|--|---------------------|-----------|-----|
| <a href="#">Grouper Loader - Part 1</a>          | <a href="#">PPT</a> | June 2012 | 2.1 |
| <a href="#">Grouper Loader - Part 2</a>          | <a href="#">PPT</a> | June 2012 | 2.1 |
| <a href="#">Grouper Connectors (OUT OF DATE)</a> | <a href="#">PPT</a> | June 2012 | 2.1 |

## For Developers and Architects

[Outline](#) (Be sure to check the [outline](#) for details on what's in each video below.)

| Video   | Slides              | Created        | Based on Grouper Version |
|---|---------------------|----------------|--------------------------|
| <a href="#">How to Design Groups</a><br><i>Also be sure to read the <a href="#">Grouper Deployment Guide</a> guidance</i> | <a href="#">PPT</a> | August 2012    | 2.1                      |
| <a href="#">Grouper Permissions</a>   | <a href="#">PPT</a> | September 2012 | 2.1                      |
| <a href="#">Grouper Web Services - Part 1</a>   | <a href="#">PPT</a> | June 2012      | 2.1                      |
| <a href="#">Grouper Web Services - Part 2</a>   | <a href="#">PPT</a> | June 2012      | 2.1                      |
| <a href="#">Grouper Web Services - Part 3</a>   | <a href="#">PPT</a> | July 2012      | 2.1                      |
| <a href="#">Grouper Web Services - Part 4</a>   | <a href="#">PPT</a> | July 2012      | 2.1                      |
| <a href="#">Grouper Web Services - Part 5</a>   | <a href="#">PPT</a> | August 2012    | 2.1                      |
| <a href="#">Grouper Client Part 1</a>   | <a href="#">PPT</a> | August 2012    | 2.1                      |
| <a href="#">Grouper Client Part 2</a>   | <a href="#">PPT</a> | September 2012 | 2.1                      |
| <a href="#">Grouper Client Part 3</a>   | <a href="#">PPT</a> | September 2012 | 2.1                      |
| <a href="#">LDAP</a>  | <a href="#">PPT</a> | September 2012 | 2.1                      |
| <a href="#">Grouper Integration</a>   | <a href="#">PPT</a> | November 2012  | 2.1                      |
| <a href="#">Advanced Topics</a>   | <a href="#">PPT</a> | October 2012   | 2.1                      |

## For End Users

[outline](#) (Be sure to check the [outline](#) for details on what's in each video below.)

| Video  | Slides              | Created       | Based on Grouper Version |
|--|---------------------|---------------|--------------------------|
| <a href="#">New Grouper UI - Part 1</a><br><i>overview, home page, quick links, browsing, search, common functions</i> | <a href="#">PDF</a> | January 2015  | 2.2                      |
| <a href="#">New Grouper UI - Part 2</a><br><i>groups</i>   | <a href="#">PDF</a> | February 2015 | 2.2                      |
| <a href="#">New Grouper UI - Part 3</a><br><i>memberships</i>  | <a href="#">PDF</a> | February 2015 | 2.2                      |
| <a href="#">New Grouper UI - Part 4</a><br><i>folders</i>  | <a href="#">PDF</a> | February 2015 | 2.2                      |
| <a href="#">New Grouper UI - Part 5</a><br><i>entities</i>   | <a href="#">PDF</a> | March 2015    | 2.2                      |
| <a href="#">Admin UI - Part 1 (OUT OF DATE)</a>  | <a href="#">PPT</a> | October 2012  | 2.1                      |
| <a href="#">Admin UI - Part 2 (OUT OF DATE)</a>  | <a href="#">PPT</a> | November 2012 | 2.1                      |
| <a href="#">Admin UI - Part 3 (OUT OF DATE)</a>  | <a href="#">PPT</a> | December 2012 | 2.1                      |
| <a href="#">Admin UI - Part 4 (OUT OF DATE)</a>  | <a href="#">PPT</a> | December 2012 | 2.1                      |
| <a href="#">Admin UI - Part 5 (OUT OF DATE)</a>  | <a href="#">PPT</a> | December 2012 | 2.1                      |
| <a href="#">Admin UI - Part 6 (OUT OF DATE)</a>  | <a href="#">PPT</a> | December 2012 | 2.1                      |
| <a href="#">Lite UI - Memberships - Part 1 (OUT OF DATE)</a>   | <a href="#">PPT</a> | November 2012 | 2.1                      |
| <a href="#">Lite UI - Memberships - Part 2 (OUT OF DATE)</a>   | <a href="#">PPT</a> | November 2012 | 2.1                      |
| <a href="#">Lite UI - Permissions - Part 1 (OUT OF DATE)</a>   | <a href="#">PPT</a> | December 2012 | 2.1                      |
| <a href="#">Lite UI - Permissions - Part 2 (OUT OF DATE)</a>   | <a href="#">PPT</a> | December 2012 | 2.1                      |
| <a href="#">Lite UI - Permissions - Part 3 (OUT OF DATE)</a>   | <a href="#">PPT</a> | December 2012 | 2.1                      |
| <a href="#">External Users</a>   | <a href="#">PPT</a> | January 2013  | 2.1                      |

|                               |                     |               |     |
|-------------------------------|---------------------|---------------|-----|
| <a href="#">Grouper Rules</a> | <a href="#">PPT</a> | February 2013 | 2.1 |
|-------------------------------|---------------------|---------------|-----|

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#### **Additional Resources**

Find out more about Grouper at the [Grouper website](#) or the [Grouper wiki](#)

Read the [Grouper Deployment Guide](#) for suggested deployment standards and approaches

See how campuses are using Grouper by reading [Adopter Sketches on the Community Contributions page](#).

For Trainers, see [Grouper Training Video Camtasia Youtube Best Practices](#)

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