

# Grouper Training

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## 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>.

## In-Person Training Opportunities

Training will be available in person several times a year. A schedule of face-to-face workshops is available here:

<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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### Grouper School Workshop Series: Access Governance with Grouper and Friends

Access governance with Grouper and friends is a two-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="#">University of Wisconsin, Madison</a>	June 18 - 19, 2019	Madison, WI

  

Previous Workshops	Date	Location
Internet2 Technology Exchange	October 15, 2018	Orlando, Florida

## 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)

## 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>		May 2018	2.3
<a href="#">Grouper Installer</a>	<a href="#">PPT</a>	May 2012	2.1
<a href="#">Grouper Upgrader (part of the Installer)</a>	<a href="#">PPT</a>	Mar 2015	2.2.1
<a href="#">Grouper Patching (part of the installer)</a>	<a href="#">PPT</a>	Mar 2015	2.2.1
<a href="#">Grouper Minor Upgrade</a>	<a href="#">PPT</a>	July 2012	2.1.0 to 2.1.1 as example
<a href="#">Grouper Deployments and Upgrade</a> <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>	<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>	<a href="#">PPT</a>	April 2012	2.1
<a href="#">Grouper UI (Administering)- Part 2</a>	<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>	<a href="#">PPT</a>	May 2012	2.1
<a href="#">Grouper Provisioning Service Provider (PSP) - Part 2</a>	<a href="#">PPT</a>	July 2012	2.1.1
<a href="#">Grouper Provisioning Service Provider (PSP) - Part 3</a>	<a href="#">PPT</a>	July 2012	2.1.1
<a href="#">Grouper Provisioning Service Provider (PSP) - Part 4</a>	<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</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>	PPT	August 2012	2.1
<a href="#">Grouper Permissions</a>	PPT	September 2012	2.1
<a href="#">Grouper Web Services - Part 1</a>	PPT	June 2012	2.1
<a href="#">Grouper Web Services - Part 2</a>	PPT	June 2012	2.1
<a href="#">Grouper Web Services - Part 3</a>	PPT	July 2012	2.1
<a href="#">Grouper Web Services - Part 4</a>	PPT	July 2012	2.1
<a href="#">Grouper Web Services - Part 5</a>	PPT	August 2012	2.1
<a href="#">Grouper Client Part 1</a>	PPT	August 2012	2.1
<a href="#">Grouper Client Part 2</a>	PPT	September 2012	2.1
<a href="#">Grouper Client Part 3</a>	PPT	September 2012	2.1
<a href="#">LDAP</a>	PPT	September 2012	2.1
<a href="#">Grouper Integration</a>	PPT	November 2012	2.1
<a href="#">Advanced Topics</a>	PPT	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> <i>overview, home page, quick links, browsing, search, common functions</i>	PDF	January 2015	2.2
<a href="#">New Grouper UI - Part 2</a> <i>groups</i>	PDF	February 2015	2.2
<a href="#">New Grouper UI - Part 3</a> <i>memberships</i>	PDF	February 2015	2.2
<a href="#">New Grouper UI - Part 4</a> <i>folders</i>	PDF	February 2015	2.2
<a href="#">New Grouper UI - Part 5</a> <i>entities</i>	PDF	March 2015	2.2
<a href="#">Admin UI - Part 1</a>	PPT	October 2012	2.1
<a href="#">Admin UI - Part 2</a>	PPT	November 2012	2.1
<a href="#">Admin UI - Part 3</a>	PPT	December 2012	2.1
<a href="#">Admin UI - Part 4</a>	PPT	December 2012	2.1
<a href="#">Admin UI - Part 5</a>	PPT	December 2012	2.1
<a href="#">Admin UI - Part 6</a>	PPT	December 2012	2.1
<a href="#">Lite UI - Memberships - Part 1</a>	PPT	November 2012	2.1
<a href="#">Lite UI - Memberships - Part 2</a>	PPT	November 2012	2.1
<a href="#">Lite UI - Permissions - Part 1</a>	PPT	December 2012	2.1
<a href="#">Lite UI - Permissions - Part 2</a>	PPT	December 2012	2.1
<a href="#">Lite UI - Permissions - Part 3</a>	PPT	December 2012	2.1
<a href="#">External Users</a>	PPT	January 2013	2.1
<a href="#">Grouper Rules</a>	PPT	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 [TIER 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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