

Administration Guides

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Grouper Administration Guides

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Release Information

- [Grouper 2.4 Release Notes](#)
- [Grouper Versioning and Support Guidelines](#)
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Installation & Configuration

- [Architectural and High Level Diagrams](#)
- [Planning Guide](#)
- [Components Overview](#) - lists components (including connectors) in Grouper and provides links to more info.
- [Prerequisites](#) - Establish the Grouper environment.
- [Product Specifications](#) - "Specsheet" for Grouper
- [Grouper Installer](#) - Installs the Grouper API, quickstart data, UI, WS, and client; also used to do upgrading and patching
- [API Installation](#) - Configure the API and integrate with existing identity stores.
- [Configuration Files and Overlays](#) - Configuration approaches including using cascaded configuration files.
- [WS Installation](#) - Build, secure, and deploy Grouper Web Services.
- [Initializing Administration of Privileges \(the wheel group\)](#) - The first stem and group you should create.
- [Group and folder design ideas](#) - Examples of how institutions have organized and delegated their folders and groups
- [Externalize and Encrypt Grouper LDAP and Database Passwords](#)
- [Include Exclude and Require Groups](#) - Helpful features as you design your groups
- [Getting Ready for Production with Grouper](#) - steps to think about after Grouper installation
- [InCommon Trusted Access Platform Grouper Docker Documentation](#) - step by step instructions on how to bring up Grouper in a Docker Swarm environment
- [Authentication to the Grouper UI](#) - examples using Shibboleth or CAS

User Interfaces

- [Grouper UI Installation](#) - Configure, build, and deploy Grouper's User Interfaces.
- [Grouper new UI](#) - Allows navigating the tree structure, managing groups, managing favorites and more.
- [Customizing the Administrative UI](#) - applies only to Grouper versions prior to Grouper 2.2
- [Grouper LITE UIs](#) - Information on Grouper LITE UIs (used from v2.0 to v2.3 for Attribute Framework and External Subjects)
- [Grouper Visualization](#) - API to see the relationships between Grouper objects
- [Grouper Visualization UI](#) - Using the Visualization UI to build and display graphs

On-Going Administration

- [GrouperShell](#) - The *gs/* command line utility.
- [Grouper Daemon](#) - Background processing including: GrouperLoader, notifications and membership expiry.
- [Grouper Client](#) - Client for Grouper LDAP and Web Services.
- [Move and Copy](#) - How to move or copy groups or folders/stems.
- [Web Services](#) - A web application that exposes common Grouper business logic through SOAP and REST
- [Always Available Web Services and Client](#) - Web services that do not have a single point of failure.
- [Attribute Framework](#) - A framework for assigning metadata to Grouper objects.
- [Attribute Framework UI](#) - User interfaces for defining and managing attributes
- [Grouper subject filter and attribute decorator](#) - Restrict access to Subject attributes.
- [Grouper local entities](#) - Manage access within Grouper for Subjects not managed in a Subject Source.
- [User Audit Log](#) - How to review who made what changes and when.
- [Point in Time Auditing](#) - Query the state of Grouper in the past.
- [Organizing Services In Grouper](#) - Allows filtering of the registry by a service.
- [XML Import/Export Tool](#) - Documentation for the XML Import/Export tool.
- [Legacy Import/Export Tool](#) - Documentation for the original XML Import/Export tool.
- [Custom Group Types & Fields](#) - (Deprecated as of Grouper 2.2)
- [Grouper Diagnostics](#) - Gives the health of Grouper
- [Grouper overall summary administrative report](#) - daily email report of status of Grouper
- [Grouper Security Issues and Patches](#)

[Ongoing Administration Tasks](#) - Suggestions for ongoing Grouper administration tasks, including pruning the logs and registry, performing monitoring, and setting up notifications.

Access Management

[Access Management Features Overview](#) - An overview of when to use rules, roles, limits, and other access management features

[Role and permission management](#) - Allowing external applications to centrally manage roles and permissions in Grouper

[Permission Limits](#) - Setting up runtime constraints on permissions

[Enabled and disabled \(Start/End\) dates](#) - Setting up memberships to apply only in the future, or for a certain period of time

[Rules](#) - Attach actions on certain events to trigger certain results

[Deprovisioning](#) - Remove access when someone leaves

[Attestation](#) - Get reminders to review groups periodically

Provisioning and Integration

[Integration Overview](#) - Considerations for integrating Grouper with an application

[Provisioning Service Provider Next Generation](#) - as of Grouper 2.3

[Provisioning Service Provider](#) - Handles provisioning in Grouper 2.1 and above (replaces [Ldapcc](#) and [Ldapcc-ng](#))

[Grouper Messaging](#) - allows messages to be sent and received from a messaging system

[Grouper Loader](#) - Automatically manage Grouper memberships based on a data source

[Subject API](#) - Used to integrate a java application with a site's existing Identity Management operations

[Notification \(Change Log\)](#) - Grouper can incrementally integrate with or provision external systems.

[Hooks](#) - Create connections from the Grouper API to your custom code

[External Subjects](#) - Managing external subjects.

[Sync Grouper with another Grouper](#) - Allows two group management systems to share a group.

[Integer ID's on Grouper Objects](#) - These integers can be used, for instance, as UNIX GIDs.

[Shibboleth Integration \(Grouper 2.1 and above\)](#) - Grouper as a Data Connector Extension for Shibboleth (newer architecture)

[Shibboleth Integration \(Prior to Grouper 2.1\)](#) - Grouper as a Data Connector Extension for Shibboleth.

[Exposing Groups Through Shibboleth](#)

[ESB Connector](#) - Integrating Grouper with an event-driven ESB architecture.

[Notifications](#) - Java interface for handling Grouper events

[XMPP Notifications](#) - Handling XMPP Notifications

[Grouper integration with Kualu Rice](#) - Use Grouper groups in Kualu applications and middleware, and use Kualu Enterprise Workflow in Grouper groups management.

[Grouper integration with uPortal](#) - Grouper uPortal integration.

[Grouper integration with SCIM](#) - SCIM stands for System for Cross-domain Identity Management (this integration is available in Grouper 2.2 and above).

[Grouper Atlassian Connector](#) - Allows you to manage Atlassian (Jira, Confluence) groups and person information.

[Grouper VOOT Connector](#) - Implements the VOOT specification for cross-domain read access to groups.

[SQL Integration](#) - Accessing Grouper data from SQL

Utilities

[Unresolvable Subject Deletion Utility](#) - Documentation for the command line *usdu* tool.

[Bad Membership Finder Utility](#) - Documentation for the *findbadmemberships* command line script.

Glossary, Roadmap and Other

[Glossary](#) - Important Definitions

[Getting Started with Grouper Book](#) (not complete)

[Community Contributions](#) (read about other Grouper deployments and share your own)

[Grouper Online Training Videos](#)

[Grouper Roadmap](#)