

Administration Guides

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Grouper Administration Guides

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Release Information

- [Grouper 2.5 Release Notes](#)
- [Grouper Versioning and Support Guidelines](#)
- [Grouper Downloads](#)
- [Grouper Packaging and Versioning for v2.5+](#)

Installation & Configuration

- [Architectural and High Level Diagrams](#)
- [Planning Guide](#)
- [Components Overview](#) - lists components (including connectors) in Grouper and provides links to more info.
- [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
- [Authentication to the UI and Web Services in 2.5+](#)

User Interfaces

- [Grouper new UI](#) - Allows navigating the tree structure, managing groups, managing favorites and more.
- [Grouper Custom UI](#) - Helps end users and administrators view and troubleshoot access
- [Grouper Visualization](#) - API to see the relationships between Grouper objects
- [Grouper Visualization UI](#) - Using the Visualization UI to build and display graphs
- [Grouper LITE UIs - OLD - Information on Grouper LITE UIs \(used from v2.0 to v2.3 for Attribute Framework and External Subjects\)](#)
- [Customizing the Administrative UI](#) - OLD and OUTDATED APPROACH - applies only to Grouper versions prior to Grouper 2.2

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](#) - Exposing 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 Reporting](#) - Flexible reporting capability
[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.
[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.

[Custom Group Types & Fields](#) - (Deprecated as of Grouper 2.2)

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 Kualiti Rice](#) - Use Grouper groups in Kualiti applications and middleware, and use Kualiti 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
[Grouper Remedy Integration](#) - integration with Remedy (SaaS) and Digital Marketplace
[Grouper Azure Provisioner](#) - synchronizes Grouper groups and users to Microsoft Azure Active Directory/Office 365
[Using SQL to do things in Grouper](#)

Utilities

[Universal Subject Daemon Utility \(USDU\) in Grouper 2.5+](#)
[Unresolvable Subject Deletion Utility](#) - Documentation for the command line USDU tool (prior to Grouper 2.5)
[Bad Membership Finder Utility](#) - Documentation for the *findbadmemberships* command line script.
[Cursor based paging to download large amounts of data without missing records during inserts/deletes](#)

Glossary, Roadmap and Other

[Glossary](#) - Important Definitions

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

[Grouper Online Training Videos](#)

[Getting Started with Grouper Book](#) (not complete, from 2014)

[Grouper Roadmap](#)