

Grouper components overview

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Here is an overview of components in the Grouper Toolkit.

Component (with link to more info)	Description
Installer (deprecated)	Installs the Grouper API, quickstart data, UI, WS, client, and PSP.
API	The core of the Grouper system.
Subject API	Handles the connection with a site's existing Identity Management operations
Grouper Database	Registry/repository of Grouper data
Grouper Shell	Command line for interacting with the Grouper API, including XML import / export
Web Services	Allows application developers to leverage Grouper (SOAP and REST)
Grouper Client	A java client for Grouper web services
Grouper Loader	Synchronizes group memberships based on an external data source. This also runs various daemons and should be run in any Grouper installation
Grouper Daemon	A command line process that can handle many Grouper tasks
Grouper User Interface	Allows browsing tree structure, managing groups, managing favorites and more.
Attribute Framework	Allows you to attach metadata to objects in the registry
Notifications/ChangeLog	Logs changes and allows for notification to external systems (using XMPP, HTTPS, and other connectors)
Access Management Features	See the overview to learn about roles and permissions, rules, enable/disable dates and more
Rules	Configurable declarative scripts that run at certain times and perform specified actions
External Users	Supports external or federated users
Diagnostics	Reports on the health of Grouper
Provisioning Service Provider Next Generation (PSPNG) (deprecated)	Provisions Grouper objects to LDAP/AD
Visualization	Graphs Grouper objects
Reporting	Provides a report on a group or folder
Attestation	Marks a group or folder so that owners must review the membership list periodically

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Connectors (with link to more info)	Description
ESB Connector	Enable Grouper to interface with an ESB
Kuali Integration	Allows integration with Kuali Rice
SCIM Integration	Allows integration with SCIM (available in Grouper 2.2 and above)
Atlassian Connector	Implements the Atlassian access and profile providers
Grouper VOOT Connector	implements the VOOT specification
Another Grouper Instance	Allows sharing a group between two Grouper management systems

See Also

[Grouper Architecture Diagram](#)