



Role Strategy Plugin

 The performance of this plugin is being improved as a part of Google Summer of Code 2019. Help us understand how you use this plugin through our [Gitter chat](#).

Adds a new role-based strategy to manage users' permissions.

Plugin Information

View Role-based Authorization Strategy [on the plugin site](#) for more information.

 Older versions of this plugin may not be safe to use. Please review the following warnings before using an older version:

- [CSRF vulnerability in security configuration](#)
- [Dangerous permissions can be configured independently of Administer permission](#)

About this plugin

This plugin adds a new role-based strategy to ease and fasten users management.








See the plugin documentation on GitHub: <https://github.com/jenkinsci/role-strategy-plugin/blob/master/README.md>

Version history



Version 2.11 and newer versions

See the changelog [here](#)


Version 2.10 (Feb 11, 2019)

-  Jenkins 2.60.3 is now the minimal requirement of the plugin
-  [JENKINS-44472](#) - "Manage roles" table now supports preview of jobs matching the regular expression
-  [PR #45](#) - REST API: *getRole* now also returns SID assignments
-  [JENKINS-55804](#), [JENKINS-55803](#) - Improve performance of the plugin on instances with many roles
-  [JENKINS-49102](#) - "Manage roles" page now displays patterns in quotes to properly visualize whitespace patterns
-  [JENKINS-45942](#) - REST API: Throw error when a non-existent permission is added in the *addRole* call
-  [JENKINS-54900](#) - REST API: Prevent concurrency issues when permissions are checked in parallel with REST API calls



Internal changes:

-  [JENKINS-55916](#) - RoleWalker iterator now can be aborted by the handler
-  [JENKINS-55933](#) - First version of the Role Strategy performance testing instance


Version 2.9.0 (Aug 27, 2018)

-  [PR #42](#) - Add REST API for retrieving particular roles
 - **Example:** `curl -XGET 'http://localhost:8080/jenkins/role-strategy/strategy/getRole?type=globalRoles&roleName=admin'`


Version 2.8.2 (Aug 07, 2018)

-  [PR #41](#) - *getAllRoles* REST API call was not closing output writer properly, and responses were missing in some cases
-  [PR #40](#) - Prevent `NullPointerException` when *getAllRoles* REST API is called for non-existent role type


Version 2.8.1 (May 25, 2018)

-  [PR #39](#) - Prevent `NullPointerException` when adding role to an empty type from REST API



Version 2.8.0 (May 16, 2018)

-  [PR #37](#) - getAllRoles method now allows retrieving Job and Agent roles
 - **Example:** `curl -X GET localhost:8080/role-strategy/strategy/getAllRoles?type=globalRoles ("projectRoles" or "slaveRoles")`



Version 2.7.0 (Feb 06, 2018)

-  [PR #36](#) - Improve API to provide integration with [Configuration As Code Plugin](#)
 - [Configuration Example](#)

Version 2.6.1 (Oct 04, 2017)

-  [JENKINS-47265](#) - The plugin does not require extra dangerous permission enabler flags to be set with [Matrix Authorization Strategy Plugin 1.5](#)
-  [PR #33](#) - Improve diagnostics of invalid cases when Roles get created with null permissions




Version 2.6.0 (Aug 28, 2017)

-  [PR #30](#) - Add REST API endpoints to get and unassign roles
 - Examples:
 - **Unassign role:** `curl -X POST localhost:8080/role-strategy/strategy/unassignRole --data "type=globalRoles&roleName=AMD&sid=username"`
 - **List roles:** `curl -X GET localhost:8080/role-strategy/strategy/getAllRoles`
-  Update Jenkins core minimal requirement to 1.625.3

Version 2.5.1 (July 10, 2017)



- [Fix security issue](#)

Version 2.5.0 (Jun 02, 2017)

-  [JENKINS-37178](#) - Add REST API, which allows managing roles and assignments
 - Examples:
 - **Add Role:** `curl -X POST localhost:8080/role-strategy/strategy/addRole --data "type=globalRoles&roleName=ADM&permissionIds=hudson.model.Item.Discover,hudson.model.Item.ExtendedRead&overwrite=true"`
 - **Remove Role(s):** `curl -X POST localhost:8080/role-strategy/strategy/removeRoles --data "type=globalRoles&roleNames=ADMIN,DEV"`
 - **Assign Role:** `curl -X POST localhost:8080/role-strategy/strategy/assignRole --data "type=globalRoles&roleName=ADMIN&sid=username"`
 - **Delete SID from all roles:** `curl -X POST localhost:8080/role-strategy/strategy/deleteSid --data "type=globalRoles&sid=username"`
 - Parameters:
 - **Type:** *globalRoles, projectRoles, slaveRoles*
-  [JENKINS-18377](#) - Improve speed of fetching roles by permission
-  [JENKINS-43058](#) - Stop mentioning "slaves" in the plugin UI and Javadoc

Version 2.4.0 (Apr 10, 2017)

This change is a part of the Security release in Jenkins.




-  [SECURITY-410](#) - Prohibit dangerous permissions by default
 - Permissions like "Jenkins.RUN_SCRIPTS" cannot be granted to non-admin users by default
 - After the upgrade to 2.4.0, such dangerous permission configurations will be disabled and reported in the Administrative Monitor
 - "`org.jenkinsci.plugins.rolestrategy.permissions.DangerousPermissionHandlingMode.enableDangerousPermissions`" system property can be used to allow these dangerous permissions (**not recommended**)
 - See the referenced issue for more info
-  Fixed escaping of descriptions in the Role Strategy Macros list ([JENKINS-38230](#))



Warning!





After the update the dangerous permissions will be disabled, hence some Jenkins instances may require reconfiguration if they rely on dangerous configurations (e.g. RUN_SCRIPTS without ADMINISTER)

Version 2.3.2 (06/13/2016)

-  Performance: Disable user authorities resolution in permission checks by default ([JENKINS-35515](#))
 - It has been done due to the reported performance degradation in 2.3.0
 - The 2.3.0 behavior can be restored by the `org.jenkinsci.plugins.rolestrategy.Settings.treatUserAuthoritiesAsRoles` system property
 - If you enable it, the performance can be also tweaked by `org.jenkinsci.plugins.rolestrategy.Settings.userDetailsCacheMaxSize` and `org.jenkinsci.plugins.rolestrategy.Settings.userDetailsCacheExpirationTimeSec`
-  Authorities resolution: Catch Runtime Exceptions from underlying Security Realms. Prevents Jenkins DoS in such case ([JENKINS-35652](#))
-  Generalize the help message for role patterns ([JENKINS-35250](#))

2.3.1 is skipped due to the typo in the property name

Version 2.3.0 (06/07/2016)




-  Threat user authorities as roles (<https://github.com/jenkinsci/role-strategy-plugin/pull/13>)
-  Escape all form entry fields by default (prevent unintentional HTML injection by admins)
-  Migration to the new Jenkins plugin parent POM
-  Fixes of minor issues discovered by FindBugs



WARNING!

There are performance regressions reported to this version. Upgrade only after testing

Version 2.2.0 (06/29/2014)

-  Support of Create Job permissions since jenkins-1.566 ([JENKINS-19934](#))
 - The permission requires the specific item name validation strategy, which should be selected in Jenkins global configuration
-  Fixed help links in manage-roles pages ([JENKINS-15030](#))
-  Slave permissions: Allow assignment of permissions, which don't belong to "Slave" group ([JENKINS-18978](#))

Version 2.1.0 (07/20/2013)

- Added support of individual permission assignments for slave nodes ([JENKINS-18748](#))
- Added support of Macro roles ([JENKINS-18700](#))

Version 1.1.3 (07/10/2013)

- Prevented exceptions in case of missing roles ([JENKINS-18648](#))
- Prevented exceptions in case of deleted Permissions
- Support of folders plugin ([JENKINS-17482](#))
- Upgraded to Jenkins 1.424

Version 1.1.2 (10/14/2011)

- Implemented [JENKINS-9325](#): Permissions contributed by plugins can now be managed at the project roles level
- Upgraded to Jenkins 1.409

Version 1.1.1 (09/19/2011)

- Fixed [JENKINS-8058](#): "<" and ">" characters were not supported in regular expression patterns

Version 1.1 (06/08/2011)

- SCM permissions (e.g. Tag) can now be handled at the project roles level
- Improved UI to handle large installations:
 - Deletion buttons are now also displayed on the left of each table
 - When having table with more than 20 entries, a footer is now added which repeats header
 - It is now possible to edit already defined patterns by double-clicking on them in the **Project roles** table
- Fixed some typos
- Fixed some image display issues

Version 1.0 (09/20/2010)

- Initial release