Authorize Project plugin

Plugin Information
View Authorize Project on the plugin site for more information.

Configure projects to run with specified authorization.

What's this?

This plugin provides following features:

- You can configure projects to have their builds run with specified authorization.
    - This is an implementation for QueueItemAuthenticator.
- Provides following ways to specify authorization.
    - Run as the user who triggered the build.
        - Does not work for scheduled, or polled builds.
        - Configuring projects are allowed only to users with the BUILD permission.
    - Run as anonymous.
    - Run as the specified user.
        - You are requested to enter the password of the specified user except following cases:
            - You are an administrator.
            - You are the specified user.
            - The specified user is not changed from the last configuration, and "No need for re-authentication" is checked.
                - This can threaten your Jenkins security. Be careful to use.
        - Configuring projects are allowed only to administrators and the user configured as the authorization.
            - "Don't restrict job configuration" allows other users (with the CONFIGURE permission) to configure the project. Ensure that only appropriate users have CONFIGURE permission for that project.
    - Run as SYSTEM
        - This is provided only to cancel the global configuration. SYSTEM authorization is often considered as "unconfigured", features provided by plugins may treat it as anonymous.
- Provides an extension point to add new ways to specify authorization.

Screenshots

- After installed Authorize Project plugin, you will find "Access Control for Builds" in "Manage Jenkins" > "Configure Global Security". Adding "Configure Build Authorizations in Project Configuration" enables Authorize Project plugin.
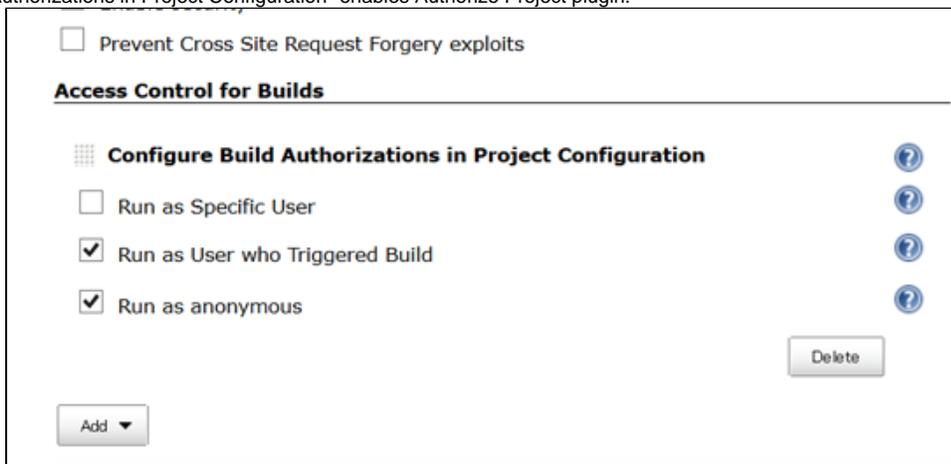
    - You can also disable specific strategies in this page. Disabled strategies are never used for authorization.
- A new side bar menu "Authorization" will appear in project pages.

- You can select how to authorize builds of the project in the "Authorization" page.

- When selecting "Run as Specific User", you can enter User ID with whose authorization builds will run. If you enter a user ID except yourself and have no administrative privilege, you are required to enter the password of that user.

- You can also use API token, especially for non password-based security realms.
- Configuring project settings by unauthorized users are forbidden when you configure the authorization for the project. See #What's this? for details.

Extension point

A new way to authorize projects can be added with extending `org.jenkinsci.plugins.authorizeproject.AuthorizeProjectStrategy`, overriding the following method:

```
public abstract Authentication authenticate(hudson.model.AbstractProject<?, ?> project, hudson.model.Queue.Item item);
```

Use `AuthorizeProjectStrategyDescriptor` for `Descriptor`.
If you want to provide global configuration properties, do as following:

- `global-security.jelly` is displayed in "Configure Global Security" page.
- Override `AuthorizeProjectStrategyDescriptor#configureFromGlobalSecurity` to save configuration.

Issues

To report a bug or request an enhancement to this plugin please create a ticket in JIRA (you need to login or to sign up for an account). Also have a look on How to report an issue

- Bug report
- Request or propose an improvement of existing feature
- Request or propose a new feature

Key	T	P	Summary
JENKINS-60302	➕	≫	Support configuring build authorization at folder level
JENKINS-59107	🔴	≫	User logged out after successful configuration of "Run as Specific User" (as of Jenkins 2.150.2)
JENKINS-58967	🔴	🚫	Credentials not available after upgrade to LTS 2.176.2
JENKINS-58840	⬆	≫	Clarify documentation on selecting project authorization for project/job types

JENKINS-56774	⬆	⬇	Support Configuration as Code
JENKINS-50559	➕	⬆	Authorization Folder property for Multibranch jobs
JENKINS-50101	⬆	⬆	Support for declarative pipeline
JENKINS-47518	🟥	⬇	~30-35 second queue when using Run as User who Triggered Build
JENKINS-44478	⬆	⬆	Support QueueItemAuthenticator.authenticate(Task)
JENKINS-38219	➕	⬇	Restrict Job.CONFIGURE permissions by plugins
JENKINS-38217	⚡	⬇	Roadmap of authorize-project-plugin
JENKINS-33494	➕	⬇	LastConfiguredUserAuthorizeStrategy

12 issues

Change Log

Version 1.3.0 (Feb 12, 2017)

- Split the configuration of authentication into a separate screen (JENKINS-35081)
  - See #Screenshots for details.

Version 1.2.2 (May 28, 2016)

- Fixed: Builds aren't start when security realm fail to find the user for authorization (e.g. Bind DN is not set for Active Directory plugin) (JENKINS-34279)

Version 1.2.1 (Apr 03, 2016)

- Fixed: password / api token fields for "Run as Specific User" are broken JENKINS-33897

Version 1.2.0 (Mar 27, 2016)

- **Targets Jenkins 1.625**
- SECURITY FIX: Reject unauthenticated configurations via REST / CLI (JENKINS-28298)
  - See JENKINS-28298 for details.
- Support global default authorization strategy (JENKINS-30574)
- Displays an error when a built-in user is used for "Run as Specific User" (JENKINS-32769)
- Added "Run as SYSTEM" (JENKINS-32770)
  - Disabled by default for projects. You have to enable it in the global security configuration page.

Version 1.1.0 (Aug 9, 2015)

- Added a feature to enable / disable strategies. (JENKINS-28298)
  - **"Run as Specific User" is disabled by default. You need to enable it after upgrading from a prior version if you use it.**
- Supports workflow (JENKINS-26670)
- Supports apitoken for authentication. (JENKINS-22470)
- Add support for upcoming $class annotation change (JENKINS-25403)

Version 1.0.3 (Apr 14, 2014)

- **SECURITY FIX**: Authentication of "Run as Specific User" is easily bypassed by REST/CLIadded (Fixed JENKINS-22469)
- Replaced radio buttons to dropdown selecting authorization strategies (Fixed JENKINS-20786)

Version 1.0.2 (Feb 22, 2014)

- added `AuthorizeProjectStrategyDescriptor` JENKINS-20812
- Not to send the password value to test whether password is required.

Version 1.0.1 (Nov 30, 2013)

- Fix a problem that a new user created if you authenticate with non-existent user (Fix JENKINS-20784)
- Works with MatrixProject (Fix JENKINS-20785)

Version 1.0.0 (Nov 24, 2013)

- Initial release.