

Configuring Jenkins Artifactory Plug-in

Overview

To install the Jenkins Artifactory Plug-in, go to Manage *Jenkins* > *Manage Plugins*, click on the *Available* tab and search for Artifactory. Select the Artifactory plugin and click *Download Now and Install After Restart*.

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The screenshot shows the Jenkins Plugin Manager interface. At the top, there's a navigation bar with the Jenkins logo, a search bar, and user information (admin, log out). Below the navigation bar, there's a breadcrumb trail: Jenkins > Plugin Manager. On the left, there are links for 'Back to Dashboard' and 'Manage Jenkins'. The main area shows a filter for 'artifactory' and tabs for 'Updates', 'Available', 'Installed', and 'Advanced'. The 'Available' tab is active, showing a table with one entry: 'Artifactory' (version 2.16.2). Below the table, there are buttons for 'Install without restart', 'Download now and install after restart', and 'Check now'. A note indicates 'Update information obtained: 1 hr 58 min ago'.

Plugin Configuration

To configure your JFrog Platform instance settings, go to the Jenkins System Configuration Page (*Manage Jenkins* > *Configure System*).

Click on the *Add JFrog Platform Instance* button to create a new JFrog instance configuration. If you'd like to set separate base URLs for Artifactory or Distribution, click on the *Advanced* button, and set the URLs.

The screenshot shows the Jenkins JFrog Platform Instance configuration page. It has a title 'JFrog' and a checkbox 'Use the Credentials Plugin' which is checked. Below this, there's a section 'JFrog Platform Instances' with a sub-section 'JFrog instance details'. This section contains two text input fields: 'Instance ID' with the value 'jfrog-platform-1' and 'JFrog Platform URL' with the value 'https://jfrog-platform-1.org'. There are help icons (question marks) next to these fields. Below the fields is an 'Advanced...' button. Underneath is a section 'Default Deployer Credentials' with a 'Credentials' dropdown menu showing 'eyalb/***** (eyalb)' and an 'Add' button. There is also a 'Test Connection' button. At the bottom, there is a checkbox 'Use Different Resolver Credentials' which is unchecked, and a red 'Delete' button. At the very bottom, there is an 'Add JFrog Platform Instance' button.

Use the Credentials Plugin	Enable this checkbox to use the Jenkins Credentials Plugin to configure your Artifactory Servers credentials in your Jenkins job configuration pages. Using the Jenkins Credentials Plugin, you have the option of setting an Access Token or Username and Password / API Key to authenticate with Artifactory. Read more about this here .
Server ID	Configure the JFrog Platform instance ID. This ID can be used by your pipeline jobs to reference the configured instance.
JFrog Platform URL	The JFrog Platform URL.

Advanced fields	
JFrog Artifactory URL	The JFrog Artifactory URL. Its value is usually <JFrog Platform URL>/artifactory, but you can use this field to set a different URL for it.
JFrog Distribution URL	The Distribution URL. Its value is usually <JFrog Platform URL>/distribution, but you can use this field to set a different URL for it.
Connection Timeout	The network timeout in seconds, used for establishing a connection and for unanswered requests.
Number of retries	The network connection retries number.
Number of threads for Generic uploads	The number of concurrent threads used for Generic uploads.
Bypass HTTP proxy	Enable to bypass the global Jenkins proxy configuration when connecting to this server. The "Test Connection button" will work with the new setting once the page is saved.
Username /Password	(Optional) Username and password that will be used for this Artifactory instance. You can also override these credentials from within the Jenkins Job. Note: the credentials are only required if Artifactory is configured not to allow anonymous access.
Use Different Resolver Credentials	(Optional) Enable this checkbox to set different credentials for the resolver.



The user specified above must have *Deploy* permission in Artifactory. Log into Artifactory with Administrator privilege, go *Security / Permissions* in the *Admin* tab. Grant *Deploy* permission to the *Deployer* user (or perhaps better, a group to which the user belongs).

Authenticating with Artifactory and Distribution using Access Tokens or Basic Auth

Using the Jenkins Credentials Window, you have the option of setting an [Access Tokens](#) or Username and Password / API Key to authenticate with Artifactory.

For Access Token authentication, choose **Secret text** in the credentials **Kind** field.

For Username and Password / API Key authentication, choose **Username and password** in the credentials **Kind** field.

The screenshot shows the Jenkins Credentials configuration interface. The 'Kind' dropdown is set to 'Secret text'. The 'Scope' dropdown is set to 'Global (Jenkins, nodes, items, all child items, etc)'. There are input fields for 'Secret', 'ID', and 'Description'. An 'OK' button is visible at the bottom.

Configuring HTTP and HTTPS proxy

Define HTTP or HTTPS proxy according to the following [Jenkins Documentation](#).



To bypass the HTTP proxy, enable the "Bypass HTTP proxy" checkbox described above.