

# TeamCity Artifactory Plug-in

## Overview

Artifactory provides tight integration with TeamCity CI Server through the TeamCity Artifactory Plug-in. Beyond managing efficient deployment of your artifacts to Artifactory, the plug-in lets you capture information about artifacts deployed, dependencies resolved, environment data associated with the TeamCity build runs and more, that effectively provides full traceability for your builds.

From version 2.1.0 the TeamCity Artifactory Plug-in provides powerful features for release management and promotion. For details please refer to [TeamCity Artifactory Plugin - Release Management](#).



### Before you begin

Please refer to the general information about [Artifactory's Build Integration](#) before using the TeamCity Artifactory Plugin.



### Source Code Available!

The TeamCity Artifactory Plugin is an [open source project on GitHub](#) which you can freely browse and fork.

## Build Runner Support

The TeamCity Artifactory plugin supports most build runner types, including: **Maven2**, **Maven 3**, **Ivy/Ant** (with Ivy modules support), **Gradle**, **NAnt**, **MSBuild**, **FxCop** and **Ipr**.

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### Read More

- [TeamCity Artifactory Plugin - Release Management](#)

## Installing the Plugin

Plugins are deployed to TeamCity by placing the packaged plugin into the `$(TeamCity Data Directory)/plugins directory` and restarting TeamCity. You can also accomplish this via the TeamCity UI via **Administration | Plugins List | Upload Plugin Zip** and choosing the zip-file from your file-system. You will need to restart TeamCity (tomcat) for the plugin to take effect.

Download the latest version of the plugin:



#### Remove older versions

If you have an older version of the plug-in, be sure to remove it before upgrading to a newer one

## Configuration

To use the TeamCity Artifactory plugin you first need to configure your Artifactory servers in TeamCity's server configuration. You can then set up a project build runner to deploy artifacts and Build Info to a repository on one of the Artifactory servers configured.

### Configuring System-wide Artifactory Servers

To make Artifactory servers globally available to project runner configurations, they must be defined in **Administration | Integrations | Artifactory**.

Select **Create new Artifactory server configuration** and fill in the URL of the Artifactory server.

Deployer credentials can be set at the global level for all builds, but they can also be overridden and set at a project build level.

Specifying a username and password for the resolver repository is optional. It is only used when querying Artifactory's REST API for a list of configured repositories and then only if the target instance does not allow anonymous access.

The screenshot shows the TeamCity Administration interface. The top navigation bar includes 'Projects', 'Changes', 'Agents', and 'Build Queue'. The main content area is titled 'Administration' and shows a sidebar with 'Project-related Settings' (Projects, All Builds, Build Time, Disk Usage, Server Health, Audit) and 'Integrations' (Tools, NuGet Feed, **Artifactory**). The main panel displays the 'Artifactory' configuration page. A modal dialog titled 'Artifactory Server URL' is open, showing the 'Edit Artifactory Server Configuration' form. The form fields are: 'Artifactory Server URL' (http://localhost:8081/artifactory), 'Default Deployer Username' (admin), 'Default Deployer Password' (masked), 'Use Different Resolver Credentials' (checked), 'Default Resolver Username' (reader), 'Default Resolver Password' (masked), and 'Timeout' (300). The dialog has 'Cancel', 'Save', and 'Test connection' buttons. In the background, a table lists existing configurations with 'edit' and 'delete' actions.

### Configuring Project-specific Runners

#### Editing Project-specific Configuration

To set up a project runner to deploy build info and artifacts to Artifactory go to **Administration | Projects** and select the project you want to configure.

Then, under the **Build Configurations** section, click the **Edit** link for the build you want to configure.

Under **Build Configuration Settings**, select the relevant **Build Step** and click the **Edit** link for the build step you want to configure.

When you select a value in the **Artifactory server URL** field, the selected server is queried for a list of configured repositories (using the credentials configured in the corresponding **Artifactory Server Configuration**). This populates the **Target Repository** field with a list of repositories to which you can select to deploy.

Clicking on the **Free-text mode** checkbox enables you to type in repository name as free text. You may also include variables as part of the text. For example: `libs-%variableName%`

### Configuration errors

If the **Target Repository** list remains empty, check that the specified Artifactory server URL, credentials and proxy information (if provided) are valid.

Any information about communication errors that might occur can be found in the TeamCity server logs.

Deploy Artifacts To Artifactory	
<b>Artifactory server URL:</b>	<input type="text" value="http://localhost:8081/artifactory"/> <small>Select an Artifactory server.</small>
<b>Target repository:</b>	<input type="text" value="libs-release-local"/> <input type="checkbox"/> Free-text mode <small>Specify a target deployment repository.</small>
<b>Target snapshot repository:</b>	<input type="text" value="libs-snapshot-local"/> <input type="checkbox"/> Free-text mode <small>Specify a target deployment.</small>
<b>Override default deployer credentials:</b>	<input checked="" type="checkbox"/> <small>Use different deployer user name and password than the default ones defined in the Artifactory settings under the administrative system configuration page. If no global defaults are defined and no user name and password are given here anonymous deployment will be attempted.</small>
<b>Deployer username:</b>	<input type="text" value="admin"/> <small>Name of a user with deployment permissions on the target repository.</small>
<b>Deployer password:</b>	<input type="password" value="*****"/> <small>The password of the user entered above.</small>
<b>Deploy Maven artifacts:</b>	<input checked="" type="checkbox"/> <small>Uncheck if you do not wish to deploy Maven artifacts from the plugin (a more efficient alternative to Mavens own deploy goal).</small>
<b>Deployment include patterns:</b>	<input type="text"/> <small>Comma or space-separated list of <a href="#">Ant-style patterns</a> of files that will be included in publishing. Include patterns are applied on the published file path before any exclude patterns.</small>
<b>Deployment exclude patterns:</b>	<input type="text"/> <small>Comma or space-separated list of <a href="#">Ant-style patterns</a> of files that will be excluded from publishing. Exclude patterns are applied on the published file path after any include patterns.</small>
<b>Publish build info:</b>	<input checked="" type="checkbox"/> <small>Uncheck if you do not wish to deploy build information from the plugin.</small>
<b>Include Environment Variables:</b>	<input type="checkbox"/> <small>Check if you wish to include all environment variables accessible by the builds process.</small>
<b>Run license checks:</b>	<input type="checkbox"/> <small>Check if you wish automatic license scanning to run after the build is complete. (Requires Artifactory Pro).</small>

## Triggering Build Retention in Artifactory

You can trigger build retention when publishing build-info to Artifactory.

<b>Discard Old Builds:</b>	<input checked="" type="checkbox"/> <small>Check if you wish to include discard old builds.</small>
<b>Days To Keep Builds:</b>	<input type="text"/> <small>If not empty, builds are only kept up to this number of days.</small>
<b>Max # Of Builds To Keep:</b>	<input type="text"/> <small>If not empty, only up to this number of builds are kept.</small>
<b>Exclude Builds:</b>	<input type="text"/> <small>Comma or space-separated list of build numbers to be exclude during the retention procedure.</small>
<b>Delete Artifact:</b>	<input type="checkbox"/> <small>Check for deleting artifacts during the build retention procedure.</small>
<b>Async Build Retention:</b>	<input type="checkbox"/> <small>Check for asynchronous build retention.</small>

## Scanning Builds with JFrog Xray

The TeamCity Artifactory Plugin is integrated with JFrog Xray through JFrog Artifactory, allowing you to have build artifacts and dependencies scanned for vulnerabilities and other issues. If issues or vulnerabilities are found, you may choose to fail a build job. The scan result details are always printed into the build log. This integration requires **JFrog Artifactory v4.16** and above and **JFrog Xray v1.6** and above.

**Run Xray scan on build:**



Check if you wish to scan the build for vulnerabilities (Requires Artifactory Pro with Jfrog Xray).

**Fail build if found vulnerable:**



Uncheck if you do not wish to fail the build if found vulnerable.

## Running License Checks

If you are using Artifactory Pro, you can benefit from the [License Control](#) feature to discover and handle third party dependency licensing issues as part of the build.

If you check the **Run License Checks** checkbox, Artifactory will scan and check the licenses of all dependencies used by this build. You can also specify a list of recipients who should receive any license violation notifications by email.

## Generic Build Integration

Generic build integration provides Build Info support for the following runner types:

- Command Line
- FxCop
- MSBuild
- Rake
- Powershell
- XCode Project
- NuGet Publish
- NAnt
- Visual Studio (sln)
- Visual Studio 2003
- SBT, Scala build tool

This allows the above builds to:

1. Upload any artifacts to Artifactory, together with custom properties metadata, and keep published artifacts associated with the TeamCity build.
2. Download artifacts from Artifactory that are required by your build.

You can define the artifacts to upload and download by either using "File Specs" or "Legacy Patterns".

## File Specs

File Spec are specified in JSON format. You can read the File Spec schema [here](#).

## Legacy Patterns (deprecated)

Legacy patterns are deprecated since version 1.8.0 and will be removed in future releases.

<b>Custom published artifacts</b>	Allows you to specify which artifact files produced by the build should be published to Artifactory. At the end of the build the plugin locates artifacts in the build's checkout directory according to the specified artifact patterns, and publishes them to Artifactory to one or more locations, optionally applying a mapping for the target path of each deployed artifact. The pattern and mapping syntax for Published Artifacts is similar to the one used by TeamCity for <a href="#">Build Artifacts</a> .
<b>Custom build dependencies</b>	Allows you specify dependency patterns for published artifacts that should be downloaded from Artifactory before the build is run. You can have detailed control over which artifacts are resolved and downloaded by using query-based resolution, adding to your artifact paths a query with the properties that the artifact should have before it can be downloaded. For further information read here about <a href="#">Resolution by Properties</a> .

**Custom published artifacts:**

Edit published artifacts:

```
D:\Work\AntExample2\**\*.class=>class2.zip
D:\Work\AntExample2\**\*.class=>class2
```

New line or comma separated paths to build artifacts that will be published to Artifactory. Supports ant-style wildcards like `dir/**/*`. `zip` and target directories like `*.zip=>winFiles`, `unix/distro.tgz=>linuxFiles`, where `winFiles` and `linuxFiles` are target directories. Artifacts archiving is also supported, for example: `test-results=>test-results.zip`, where `test-results` is a source directory.


**Custom build dependencies:**


Edit build dependencies:

```
**/*.jar@multi :: multi#*=> one-jar-build
**/*.class@GENERIC :: ant#22=>generic-class
**/*.jar@gradle-perforce :: GRADLE#LATEST
```

New line or comma separated references to other build artifacts that this build should use as dependencies. Each reference is specified in the format of: `repo_key:path_pattern[:prop=val1_val2[:prop2+=val3]]@build_name#build_number[=>target_dir]`, where:

- `repo_key` - A key of the Artifactory repository that contains the dependencies (may contain the `*` and the `?` wildcards).
- `path_pattern` - An Ant-like pattern of the dependencies path within the Artifactory (may contain the `*` and the `?` wildcards, including `**`).
- For example: `repo-key:dir/*/*bob/*`. `zip` ("\*" wildcards are not supported)
- Artifacts can be downloaded conditionally based on their property values in Artifactory. For example, to download all zip files marked as production ready: `repo-key:dir/*/*bob/*`. `zip:status=prod`. For more details see the plug-in's [documentation](#).
- `build_name` - The name of the build that was published to Artifactory, of which dependencies should be resolved.
- `build_number` - A specific build run number. Can be `LATEST` to depend on the latest build run, or `LAST_RELEASE` to depend on the latest build with a "release" status. For example: `repo-key:dir/*/*bob/*`. `zip@myBuild#LATEST`
- `target_dir` - An optional target directory to where resolved dependencies will be downloaded. By default dependencies will be downloaded to a path under the build workspace. For example: `repo-key:*.zip=>winFiles`, `repo-key:unix/distro.tgz=>linuxFiles`, where `winFiles` and `linuxFiles` are target directories. Target directories can either be absolute or relative to the working directory.

 As of version 2.1.4, the above configuration is not backward compatible and you may need to re-save the builds configuration for them to run properly.

 If no matching artifacts are found, remember that these parameters may be case sensitive depending on the operating system, the agent and the server they are running on.

### Attaching Searchable Parameters to Build-Info and to Published Artifacts

In the **Build Configuration Settings** you can select **Parameters** to define system properties or environment variables that should be attached to artifacts and their corresponding build info.

To define a parameter click on the **Add new parameter** button.

**Add New Parameter** ✕

---

**Name:**

---

**Kind:**

---

**Value:**  📄

Type '%' for reference completion

---

**Spec:**

[Show raw value](#)

Defines parameter control presentation and validation.

---

Fill in the corresponding fields.


Parameters relevant for builds run through Artifactory are:

- `buildInfo.property.*` - All properties starting with this prefix are added to the root properties of the build-info
- `artifactory.deploy.*` - All properties starting with this prefix are attached to any deployed produced artifacts

You can specify all the properties in a single file, and then define another property pointing to it.

To point the plugin to a properties file, define a property called `buildInfoConfig.propertiesFile` and set its value to the absolute path of the properties file.

It is also possible to point the plugin to a properties file containing the aforementioned properties.

 The properties file should be located on the machine running the build agent, **not on the server!**

[+ Add new parameter](#)

## Configuration Parameters

Configuration parameters are not passed into build, can be used in references only. 


None defined

## System Properties (system.)

System properties will be passed into the build (without `system.` prefix), they are only supported by the build runners that understand the property notion. 

Name	Value		
<code>system.buildinfo.property.bob.number</code>	<code>%system.build.vcs.number%</code>	<a href="#">Edit</a>	<a href="#">Delete</a>
<code>system.buildInfoConfig.propertiesFile</code>	<code>this/is/a/path.properties</code>	<a href="#">Edit</a>	<a href="#">Delete</a>

## Environment Variables (env.)

Environment variables will be added to the environment of the processes launched by the build runner (without `env.` prefix). 

Name	Value		
<code>env.buildInfoConfig.deploy.foo</code>	<code>%maven.project.name%</code>	<a href="#">Edit</a>	<a href="#">Delete</a>

## Black Duck Code Center Integration (deprecated)

This feature is no longer supported since version 5 of Artifactory.

If you are using Artifactory Pro and have an account with [Black Duck Code Center](#), you can run the build through an automated, non-invasive, open source component approval process, and monitor for security vulnerabilities.


Run Black Duck Code Center compliance checks:	<input checked="" type="checkbox"/>	Check if you wish that automatic Black Duck Code Center compliance checks will occur after the build is completed. (Requires Artifactory Pro).
Code Center application name:	<input type="text" value="Pulse API"/>	The existing Black Duck Code Center application name.
Code Center application version:	<input type="text" value="1.0"/>	The existing Black Duck Code Center application version.
Send compliance report email to:	<input type="text" value="legal@jfrog.com"/>	Input recipients that will receive a report email after the automatic Black Duck Code Center compliance checks finished.
Limit checks to the following scopes:	<input type="text" value="compile runtime"/>	A list of dependency scopes/configurations to run Black Duck Code Center compliance checks on. If left empty all dependencies from all scopes will be checked.
Include published artifacts:	<input type="checkbox"/>	Include the build's published module artifacts in the Black Duck Code Center compliance checks if they are also used as dependencies for other modules in this build.
Auto-create missing component requests:	<input checked="" type="checkbox"/>	Auto create missing components in Black Duck Code Center application after the build is completed and deployed in Artifactory.
Auto-discard stale component requests:	<input checked="" type="checkbox"/>	Auto discard stale components in Black Duck Code Center application after the build is completed and deployed in Artifactory.

## Viewing Project-specific Configuration

Existing project configuration can be viewed in **Settings** under **Projects | \$PROJECT\_NAME | \$BUILD\_NAME:**

## Build Step: Maven [edit »](#)

Step 1:

Runner type: **Maven** (Runs Maven builds)  
Execute:  **If all previous steps finished successfully (zero exit code)**  
POM file path: **maven-example/pom.xml**  
Goals: **clean install**  
Maven used: **default**  
Additional Maven command line parameters: **none specified**  
User settings provided by default  
Maven metadata disabled: **false**  
Use own local artifact repository: **false**  
Build only modules affected by changes (incremental building): **false**  
JDK home path: **not specified**  
Build working directory: **not specified**  
JVM command line parameters: **not specified**

Deploy artifacts to Artifactory: **enabled**  
Artifactory server: **http://10.0.0.235:8080/artifactory**  
Target repository: **libs-release-local**  
Target snapshot repository : **libs-snapshot-local**  
Deployer username: **admin**  
Deploy artifacts: **true**  
Deployment include patterns: **not specified**  
Deployment exclude patterns: **not specified**  
Publish Build Info: **true**  
Include Environment Variables: **true**  
Environment Variables Include Patterns: **not specified**  
Environment Variables Exclude Patterns: **\*password\*,\*secret\***  
Run license checks (Requires pro): **true**  
License violation notifications recipients: **none specified**  
Limit checks to the following scopes: **none specified**  
Include published artifacts: **false**  
Disable automatic license discovery: **false**  
Enable Artifactory release management: **true**  
VCS tags base URL/name: **none**  
Git release branch name prefix: **REL-BRANCH-**  
Alternative Maven goals: **none**  
Alternative Maven command line parameters: **none**  
Default module version configuration: **Global**

Java code coverage: **disabled**

---

## Running a Build with the Artifactory Plugin

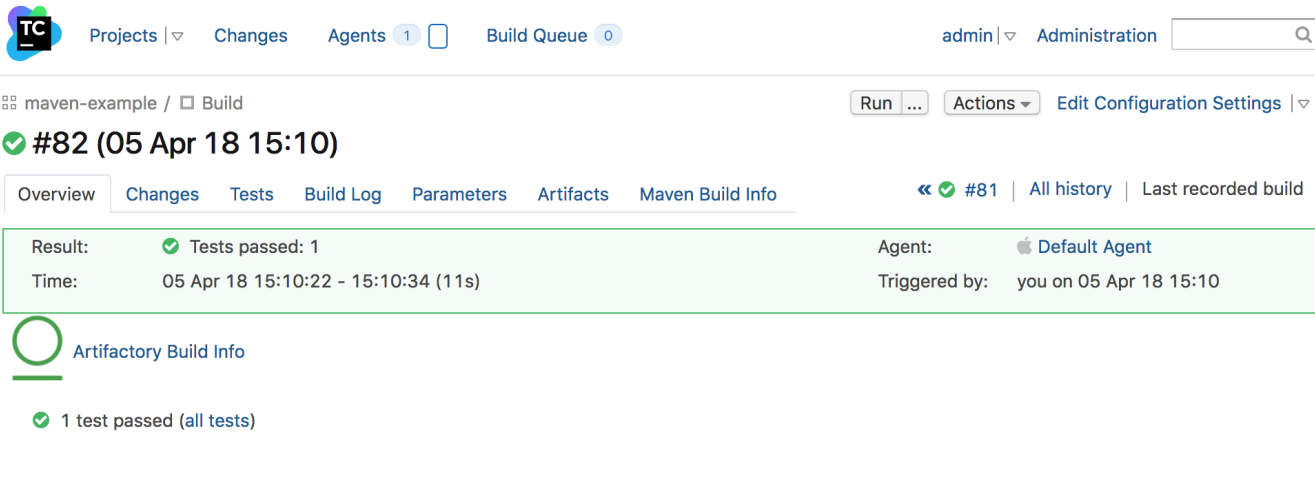
Once you have completed setting up a project runner you can run a project build. The Artifactory plugin takes effect at the end of the build and does the following:

1. For all build runner types - Publishes the specified Published Artifacts to the selected target repository and applies corresponding path mappings.
2. For Maven or Ivy/Ant build runner - Deploys all artifacts to the selected target repository together at the end of the build (as opposed to deploying separately at the end of each module build as done by Maven and Ivy).

3. Deploys the Artifactory BuildInfo to Artifactory, providing full traceability of the build in Artifactory, with links back to the build in TeamCity.

```
[15:38:09]: [INFO] [source:jar {execution: attach-sources}]
[15:38:09]: [INFO] Building jar: /home/noam/Work/JetBrains/tc-5.1/buildAgent/work/db3222d3a8dbdddf/build-info-extractor-gradle/target/build-
[15:38:09]: [INFO] [install:install {execution: default-install}]
[15:38:09]: [INFO] Installing /home/noam/Work/JetBrains/tc-5.1/buildAgent/work/db3222d3a8dbdddf/build-info-extractor-gradle/target/build-inf
[15:38:10]: [INFO] Installing /home/noam/Work/JetBrains/tc-5.1/buildAgent/work/db3222d3a8dbdddf/build-info-extractor-gradle/target/build-inf
[15:38:10]: [INFO]
[15:38:10]: [INFO] -----
[15:38:10]: [INFO] Reactor Summary:
[15:38:10]: [INFO] -----
[15:38:10]: [INFO] JFrog Build-Info ..... SUCCESS [3.653s]
[15:38:10]: [INFO] JFrog Build-Info API ..... SUCCESS [6.799s]
[15:38:10]: [INFO] JFrog Build-Info Client ..... SUCCESS [3.941s]
[15:38:10]: [INFO] JFrog Build-Info Extractor ..... SUCCESS [2.566s]
[15:38:10]: [INFO] JFrog Build-Info Maven 3 Extractor ..... SUCCESS [3.415s]
[15:38:10]: [INFO] Build Info Gradle Extractor ..... SUCCESS [2.006s]
[15:38:10]: [INFO] -----
[15:38:10]: [INFO] BUILD SUCCESSFUL
[15:38:10]: [INFO] -----
[15:38:10]: [INFO] Total time: 22 seconds
[15:38:10]: [INFO] Finished at: Sun Apr 25 15:38:10 IDT 2010
[15:38:10]: [INFO] Final Memory: 78M/479M
[15:38:10]: [INFO] -----
[15:38:10]: [Maven Watcher] starting handling projects
[15:38:10]: [Maven Watcher] building report document...
[15:38:10]: [Maven Watcher] building report document done
[15:38:10]: [Maven Watcher] writing report to /home/noam/Work/JetBrains/tc-5.1/buildAgent/temp/buildTmp/maven-build-info.xml
[15:38:10]: [Maven Watcher] done writing report
[15:38:10]: [INFO] Number of processed tests: 35
[15:38:11]: [INFO] Deploying artifacts to http://amphibian.jfrog.org:8081/artifactory
[15:38:11]: [INFO] Deploying artifact: org/jfrog/build-info-parent/1.2.x-SNAPSHOT/build-info-parent-1.2.x-SNAPSHOT.pom
[15:38:13]: [INFO] Deploying artifact: org/jfrog/build-info-api/1.2.x-SNAPSHOT/build-info-api-1.2.x-SNAPSHOT.jar
[15:38:13]: [INFO] Deploying artifact: org/jfrog/build-info-api/1.2.x-SNAPSHOT/build-info-api-1.2.x-SNAPSHOT-sources.jar
[15:38:13]: [INFO] Deploying artifact: org/jfrog/build-info-client/1.2.x-SNAPSHOT/build-info-client-1.2.x-SNAPSHOT.jar
[15:38:13]: [INFO] Deploying artifact: org/jfrog/build-info-client/1.2.x-SNAPSHOT/build-info-client-1.2.x-SNAPSHOT-sources.jar
[15:38:13]: [INFO] Deploying artifact: org/jfrog/build-info-extractor/1.2.x-SNAPSHOT/build-info-extractor-1.2.x-SNAPSHOT.jar
[15:38:13]: [INFO] Deploying artifact: org/jfrog/build-info-extractor/1.2.x-SNAPSHOT/build-info-extractor-1.2.x-SNAPSHOT-sources.jar
[15:38:13]: [INFO] Deploying artifact: org/jfrog/build-info-extractor-maven3/1.2.x-SNAPSHOT/build-info-extractor-maven3-1.2.x-SNAPSHOT.jar
[15:38:13]: [INFO] Deploying artifact: org/jfrog/build-info-extractor-maven3/1.2.x-SNAPSHOT/build-info-extractor-maven3-1.2.x-SNAPSHOT-sources.jar
[15:38:13]: [INFO] Deploying artifact: org/jfrog/build-info-extractor-gradle/1.0-SNAPSHOT/build-info-extractor-gradle-1.0-SNAPSHOT.jar
[15:38:13]: [INFO] Deploying artifact: org/jfrog/build-info-extractor-gradle/1.0-SNAPSHOT/build-info-extractor-gradle-1.0-SNAPSHOT-sources.jar
[15:38:13]: [INFO] Deploying build info ...
[15:38:14]: [INFO] Build finished
```

You can also link directly to the build information in Artifactory from a build run view:



TC Projects Changes Agents 1 Build Queue 0 admin Administration

maven-example / Build Run Actions Edit Configuration Settings

**#82 (05 Apr 18 15:10)** << #81 | All history | Last recorded build

Overview Changes Tests Build Log Parameters Artifacts Maven Build Info

Result: Tests passed: 1 Agent: Default Agent  
Time: 05 Apr 18 15:10:22 - 15:10:34 (11s) Triggered by: you on 05 Apr 18 15:10

Artifactory Build Info

1 test passed (all tests)

## Triggering Builds in Reaction to Changes in Artifactory

The plugin allows you to set a new type of trigger that periodically polls a path in Artifactory, a folder or an individual file. Whenever a change is detected in the polled element, the TeamCity build is triggered. For example, the build could be triggered when new artifacts have been deployed to the specified path in Artifactory.

**Artifactory Pro required**  
Triggering builds is only available with Artifactory Pro

To configure a new build trigger, under **Administration**, select **\$PROJECT\_NAME | \$BUILD\_NAME**. Then, select **Triggers**.

Click the **Add new trigger** button to select an **Artifactory Build Trigger**



**Build Configuration Settings**

- General Settings
- Version Control Settings 1
- Build Step: Maven
- Triggers**
- Failure Conditions
- Build Features
- Dependencies
- Parameters 3
- Agent Requirements

Created 18 minutes ago by admin  
(view history)

## Triggers

Triggers are used to add builds to the queue either when an event occurs (like a VCS check-in) or periodically with some configurable interval. <sup>®</sup>

+ Add new trigger

### Add New Trigger

- Please choose a trigger --
- Please choose a trigger --
- VCS Trigger
- Schedule Trigger
- Finish Build Trigger
- Artifactory Build Trigger**
- Branch Remote Run Trigger
- Maven Artifact Dependency Trigger
- Maven Snapshot Dependencies Trigger
- NuGet Dependency Trigger
- Retry Build Trigger

Select the **Artifactory Server URL** and the **Target repository**.

Complete the username and a password fields of a valid deployer for the selected repository.



#### Deploy permission

The specified user must have deploy permissions on the repository

Then, in **Items to watch**, specify the paths in the selected repository in which a change should automatically trigger a build.

### Add New Trigger ✕

Artifactory Build Trigger

**Artifactory Server Settings**

Artifactory server URL: \* ⓘ

Target repository: \* ⓘ

Username: ⓘ

Password: ⓘ

Items to watch: \* ⓘ

Edit items to watch:

```
com/acme/releases/milestone5
com/acme/snapshots
```

New line or comma separated paths in Artifactory that will be polled for changes. Paths denote files or folders relative to the target repository. For example:  
`com/acme/releases/milestone-5.`

**Note:** Artifactory folders are scanned for changes recursively. To avoid slow performance it is recommended to narrow down the scope of scanning.

Polling interval seconds: ⓘ



#### Be as specific as possible in Items to watch

In order to establish if there has been a change, Artifactory must traverse all the folders and their sub-folders specified in **Items to watch**. If the specified folders have a lot of content and sub-folders, this is a resource intensive operation that can take a long time.

Therefore, we recommend being as specific as possible when specifying folders in **Items to watch**.

## Proxy Configuration

If the Artifactory server is accessed via a proxy, you need to configure the proxy by setting the following properties in the `$TEAMCITY_USER_HOME/.BuildServer/config/internal.properties` file. If the file does not exist, you'll need to create it.

```
org.jfrog.artifactory.proxy.host
org.jfrog.artifactory.proxy.port
org.jfrog.artifactory.proxy.username
org.jfrog.artifactory.proxy.password
```

Since version 2.5.0, you can also define a proxy for specific build agents. You do that by adding the TeamCity agent name to the end of the above property names.

For example, if you wish to configure a proxy for the "my-agent" agent, the proxy properties configuration should look as follows:

```
org.jfrog.artifactory.proxy.host.my-agent
org.jfrog.artifactory.proxy.port.my-agent
org.jfrog.artifactory.proxy.username.my-agent
org.jfrog.artifactory.proxy.password.my-agent
```



In case your build agent name contains a white-space, you should replace the white-space in the property name with `\u0020`.

For example, here's how you define the proxy host for the "Default Agent":

```
org.jfrog.artifactory.proxy.host.Default\u0020Agent
```

## Licence

The TeamCity Artifactory plugin is available under the Apache v2 License.

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## Change Log

### [2.6.0 \(9 Apr 2018\)](#)

1. Files larger than 5mb are downloaded concurrently using range-requests (TCAP-312)
2. Bug fixes (TCAP-305, TCAP-306, TCAP-307, TCAP-309, TCAP-311, TCAP-314)

### [2.5.0 \(28 Sep 2017\)](#)

1. Allow proxy configuration per agent (TCAP-237)
2. Support pattern exclusion in File Specs (TCAP-300)
3. File specs AQL optimizations (TCAP-302)
4. Bug fixes (TCAP-297, TCAP-299, TCAP-301, TCAP-303)

### [2.4.0 \(29 Jun 2017\)](#)

1. Support for retention policy within TeamCity Plugin (TCAP-283)
2. Support Xray build scan (TCAP-292)
3. Add upload and download from file specs support to generic jobs (TCAP-294)
4. Allow to extract supported formats using file specs (TCAP-295)
5. Bug fixes (TCAP-167, TCAP-293, TCAP-296)

### [2.3.1 \(23 Jan 2017\)](#)

1. Support full path in specs (TCAP-287)
2. Add to file spec the ability to download artifact by build name and number (TCAP-288)
3. Change file Specs pattern (TCAP-285)

### [2.3.0 \(13 Nov 2016\)](#)

1. Upload and download File Specs support to generic jobs (TCAP-284)

### [2.2.1 \(19 May 2016\)](#)

1. Bug fix (TCAP-214)

### [2.2.0 \(21 March 2016\)](#)

1. Bug fixes (TCAP-238, TCAP-239, TCAP-241, TCAP-244, TCAP-245, TCAP-247, TCAP-250, TCAP-258, TCAP-236)

### [2.1.13 \(4 May 2015\)](#)

1. Support multi Artifactory Build Triggers (TCAP-222)
2. Support SBT build tool (TCAP-223)
3. Bug fix (TCAP-214)

### [2.1.12 \(12 Mar 2015\)](#)

1. Adding support for free text repository configuration (TCAP-217)

### 2.1.11 (7 Dec 2014)

1. Compatibility with Gradle 2.x ([TCAP-211](#))
2. Bug Fixed ([TCAP-205](#))

### 2.1.10 (8 May 2014)

1. Bug Fixed ([TCAP-206](#), [TCAP-72](#))

### 2.1.9 (17 Apr 2014)

1. Adding Version Control Url property to the Artifactory Build Info JSON. ([TCAP-203](#))
2. Support for TeamCity 8.1 Release management feature issues
3. Support working with maven 3.1.1
4. Bug Fixed ([TCAP-197](#), [TCAP-161](#))

### 2.1.8 (15 Jan 2014)

1. Allow remote repository caches to be used for build triggering - [TCAP-196](#)
2. [Bug Fixes](#)

### 2.1.7 (18 Dec 2013)

1. Add support for blackduck integration - [TCAP-185](#)

### 2.1.6 (03 Sep 2013)

1. TeamCity 8.0.x full compatability issue - [TCAP-172](#)
2. Global and build credentials issue - [TCAP-153](#)
3. Repositories refreshed by credential issue - [TCAP-166](#)
4. Generic deployment resolution on Xcode builds - [TCAP-180](#)
5. Working directory in Gradle build issue - [TCAP-125](#)

### 2.1.5 (07 Jul 2013)

1. Fix security issue - [TCAP-172](#)
2. Improve generic resolution - [BI-152](#)

### 2.1.4 (21 Aug 2012)

1. Compatible with TeamCity7.1.
2. [Bug Fixes](#)

### 2.1.3 (30 May 2012)

1. Compatible with TeamCity7.
2. Support 'Perforce' in release management.
3. Support multiple deploy targets for the same source pattern in generic deploy.
4. Support for custom build dependencies resolution per build.

### 2.1.2 (12 Dec 2011)

1. Compatible with Gradle 1.0-milestone-6.

### 2.1.1 (09 Aug 2011)

1. Support for Gradle milestone-4
2. Better support for releasing nested Maven projects
3. Fixed minor Maven deployments discrepancies

### 2.1.0 (14 Jul 2011)

1. Release management capabilities
2. Bug fixes

### 2.0.1 (9 Jan 2011)

1. Auto Snapshot/Release target repository selection
2. Add ivy/artifact deploy patterns
3. Improved Gradle support
4. Bug fixes

### 2.0.0 (5 Dec 2010)

1. Support for Gradle builds
2. Support for maven3 builds
3. Default deployer add resolver credentials
4. Support for multi steps builds

#### 1.1.3 (21 Nov 2010)

1. Include/exclude pattern for artifacts deployment

#### 1.1.2 (7 Nov 2010)

1. Control for including published artifacts when running license checks
2. Limiting license checks to scopes
3. Control for turning off license discovery when running license checks