



Artifactory plug-in

Version 1.0 This information is under development and can change at any time; the released version will be available on ibm.com.

Note

Before using this information and the product it supports, read the information in “Notices,” on page 5.

This edition applies to version 1.0 of Artifactory plug-in for IBM UrbanCode Deploy and to all subsequent releases and modifications until otherwise indicated in new editions.

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Contents

Artifactory plug-in	1
Deploying	1
1. Install the Artifactory plug-in	1
2. Define a resource and associate it with an agent	1
3. Create a component and associated items	2
4. Deploy	2
Process steps in the Artifactory plug-in	3

Download NuGet package	3
Download version (Maven build)	3
Download version (non-Maven build)	4
Appendix. Notices	5
Trademarks	7

Artifactory plug-in

The Artifactory plug-in provides means to import artifacts from Artifactory and NuGet repositories.

Requirements

The plug-in is supported for use with Artifactory and Artifactory Pro versions 2.x through 3.1.

Overview

The plug-in provides steps to support automated downloading Artifactory repository files from the following sources:

- Maven, Gradle, or Ivy builds
- NuGet packages (from a remote NuGet repository, through an Artifactory repository)

Follow the directions for installing and configuring the plug-in, then use the provided steps in your component processes. Use the following procedure:

- Create resources. Populate the resources manually. Use the **Resources** view to view the resources you create.
- Define the components, applications, and environments to automate deployment.
- Deploy.

History

This is version 1 of the plug-in.

Deploying

To deploy applications that include Artifactory artifacts, you associate the artifacts with a resource. You then define components, applications, environments, and processes to automate deployments of the artifacts.

1. Install the Artifactory plug-in

Procedure

1. In UrbanCode Deploy, go to **Settings > Automation Plugins**.
2. Click **Load Plugin**.
3. In the dialog, click **Choose File**, then choose the Artifactory-**<version>**.zip file.
4. Click **Submit**.

2. Define a resource and associate it with an agent

Procedure

1. Define the resource to be used with the agent. Populate the resource with the artifacts to use.

2. Add the agent to the resource. Hover over the row for the resource group, click **Actions**, then select **Add agent**.

3. Create a component and associated items

Procedure

1. Create a component to use with the resource. The component process can make use of the following steps provided with the plug-in:
 - **Download version (Maven build)**
 - **Download version (non-Maven build)**
 - **Download NuGet package**
2. Add the component to the resource.
 - a.
3. Add the component to the resource you created.
 - a. Go to the resource.
 - b. Choose **Actions > Add Component**.
4. Create an application for the component.
 - a. Go to **Application**.
 - b. Click **Create New Application**. You can skip this step if you already have an application you want to use.
 - c. Enter an application name, then click **Save**.
 - d. Click the **Components** tab, then add the component you created.
5. Create an application environment.
 - a. In the **Resources** tab, click **Create New Environment**.
 - b. Enter an environment name, then click **Save**.
 - c. Go to the environment editing page.
 - d. Click on the environment name, then click **Add Base Resource**. Choose the resource group that you created earlier.
6. Create an application process.
 - a. Click the **Processes** tab.
 - b. Add a deploy step.
 - c. Drag and drop the **Install Component** step onto the process editor.
 - Select the component to use. Use the one you created.
 - Choose the process for the component, one of Maven, non-Maven, or NuGet package. For example, for a Maven package, choose **Download My Maven package** from Artifactory.

4. Deploy

Procedure

Run the application process you created.

Process steps in the Artifactory plug-in

Download NuGet package

Download a NuGet package from a NuGet repository.

Table 1. Input properties for the Download NuGet package step

Name	Type	Description	Required
Artifactory Url	String	The base url of Artifactory	Yes
Packages	String	Line separated list of packages to download. Should be in the form "repositoryName/packageName".	Yes
Verify Hash	Boolean	Verify hashes after the file is downloaded!	No
Repository User name	String	The user name to authenticate with artifactory	No
Repository Password	Password	The password to authenticate with artifactory	No

Download version (Maven build)

Download all files under specified version of a repository built by Maven.

Table 2. Input properties for the Download version (Maven build) step

Name	Type	Description	Required
Artifactory Url	String	The base url of Artifactory	Yes
Repository name	String	The name of the repository	No
Versions	String	Line separated list of versions to download. Should be in the form "groupId/artifactId/version".	Yes
Verify Hash	Boolean	Verify hashes after the file is downloaded!	No
Repository User name	String	The user name to authenticate with artifactory	No
Repository Password	Password	The password to authenticate with artifactory	No

Download version (non-Maven build)

Download all files under specified version of a repository (non-Maven).

Table 3. Input properties for the **Download version (non-Maven build)** step

Name	Type	Description	Required
Artifactory Url	String	The base url of Artifactory	Yes
Repository name	String	The name of the repository	Yes
Versions	String	Line separated list of versions to download. Should be in the form "groupId/artifactPath/version".	Yes
Verify Hash	Boolean	Verify hashes after the file is downloaded!	No
Repository User name	String	The user name to authenticate with artifactory	No
Repository Password	Password	The password to authenticate with artifactory	No

Appendix. Notices

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