IBM UrbanCode Deploy

Artifactory source config 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.

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

Contents

Artifactory source config plug-in

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

Requirements

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

Overview

The plug-in provides steps to import artifacts as a component version from the following sources:

- 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:

1. Create a component and set the **Source Config** type to **Artifactory**
2. Provide properties for the source config.
3. Import the artifacts to as a version for the component.

History

This is version 1.0 of the plug-in.

Importing artifacts from Artifactory

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** > **Source Config Plugins**.
2. Click **Load Plugin**.
3. In the dialog, click **Choose File**, then choose the `Artifactory-<version>.zip` file.
4. Click **Submit**.

2. Create a component and import artifacts
Procedure

1. In UrbanCode Deploy, go to the **Components** tab.
2. Click **Create New Component**.
3. Fill in properties.
   - For **Source Config Type** choose **Artifactory**.

- Fill in other properties, including **Artifactory URL** and **Repository** name.
- When done, click **Save**.

4. In the component page, go to the **Versions** tab.
5. Click **Import New Versions**.

Results

The new component is listed on the **Components** page. The **Versions** tab shows the available versions of the component. If you selected the **Import Versions Automatically** check box, versions are displayed automatically. Otherwise, click **Import New Versions** to show the available versions. Depending on the number and size of the artifacts, it might take time before the versions are displayed. To see the artifacts in the component, click a component version.

Process steps in the Artifactory plug-in

Import Version

Creates a new component version and imports artifacts from Artifactory

This step has no input properties.

Roles in the Artifactory plug-in

ArtifactoryComponentProperties

Table 1. Properties for the `ArtifactoryComponentProperties` *role*

Name	Type	Description	Default value
`Artifactory URL`	String	Base URL for the Artifactory	
`Repository`	String	Name of the repository to fetch versions from	
`User`	String		
`Password`	Password		
`NuGet Package Name`	String	Specify name of NuGet package to import. This is a mandatory field if importing from NuGet repository.	
`NuGet Package Version`	String	Specify version of NuGet package to import. This is a mandatory field if importing from NuGet repository.	
`Group ID`	String	Artifact group ID. This is a mandatory field if not importing from a NuGet repository.	

Table 1. Properties for the **ArtifactoryComponentProperties** *role (continued)*

Name	Type	Description	Default value
Artifact ID	String	Artifact ID. This is a mandatory field if not importing from a NuGet repository.	
File Extension	String	Extension of the file to be pulled from Artifactory for new versions.	nupkg
Latest Build Count	String	Number of most recent builds in Artifactory to load into uDeploy.	1
Version Name Pattern	String	If set, only the versions with names matching this regex will be imported. For each group matching the first capturing group, the desired number of latest builds will be loaded into uDeploy. This property is only necessary when tracking 'older' branches that contain new builds. Example: To return n versions of each 1.0.*, 1.1.*, 1.2.*, ..., use the following regex: (1.[0-9]+).*	.*
Preserve Execute Permissions	Boolean	When enabled, file execute permissions are saved with files.	
Text File Extensions	String	The comma separated list of text extensions of files which need to be converted to a new Charset on download (e.g. txt,properties,log).	

ArtifactoryImportProperties

Table 2. Properties for the **ArtifactoryImportProperties** *role*

Name	Type	Description	Default value
Specific version	String		

Appendix. Notices

This information was developed for products and services offered in the U.S.A. IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not grant you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing
IBM Corporation
North Castle Drive
Armonk, NY 10504-1785
U.S.A.

For license inquiries regarding double-byte (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

Intellectual Property Licensing
Legal and Intellectual Property Law
IBM Japan, Ltd.
1623-14, Shimotsuruma, Yamoto-shi
Kanagawa, 242-8502 Japan

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law: INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.

IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

Intellectual Property Dept. for Rational Software
IBM Corporation
5 Technology Park Drive
Westford, MA 01886
U.S.A.

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

Any performance data contained herein was determined in a controlled environment. Therefore, the results obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

All statements regarding IBM's future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

This information is for planning purposes only. The information herein is subject to change before the products described become available.

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

COPYRIGHT LICENSE:

This information contains sample application programs in source language, which illustrate programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to IBM, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not been thoroughly tested under all conditions. IBM, therefore, cannot guarantee or imply reliability, serviceability, or function of these programs.

Each copy or any portion of these sample programs or any derivative work, must include a copyright notice as follows:

Portions of this code are derived from IBM Corp. Sample Programs. © Copyright IBM Corp. 2003, 2014.

If you are viewing this information softcopy, the photographs and color illustrations may not appear.

Trademarks

IBM, the IBM logo, and ibm.com are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the Web at www.ibm.com/legal/copytrade.shtml.

Adobe, the Adobe logo, PostScript, and the PostScript logo are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States, and/or other countries.

Intel is a trademark or registered trademark of Intel Corporation or its subsidiaries in the United States and other countries.

Windows is a registered trademark of Microsoft Corporation in the United States, other countries, or both.

Java and all Java-based trademarks are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Other company, product, or service names may be trademarks or service marks of others.