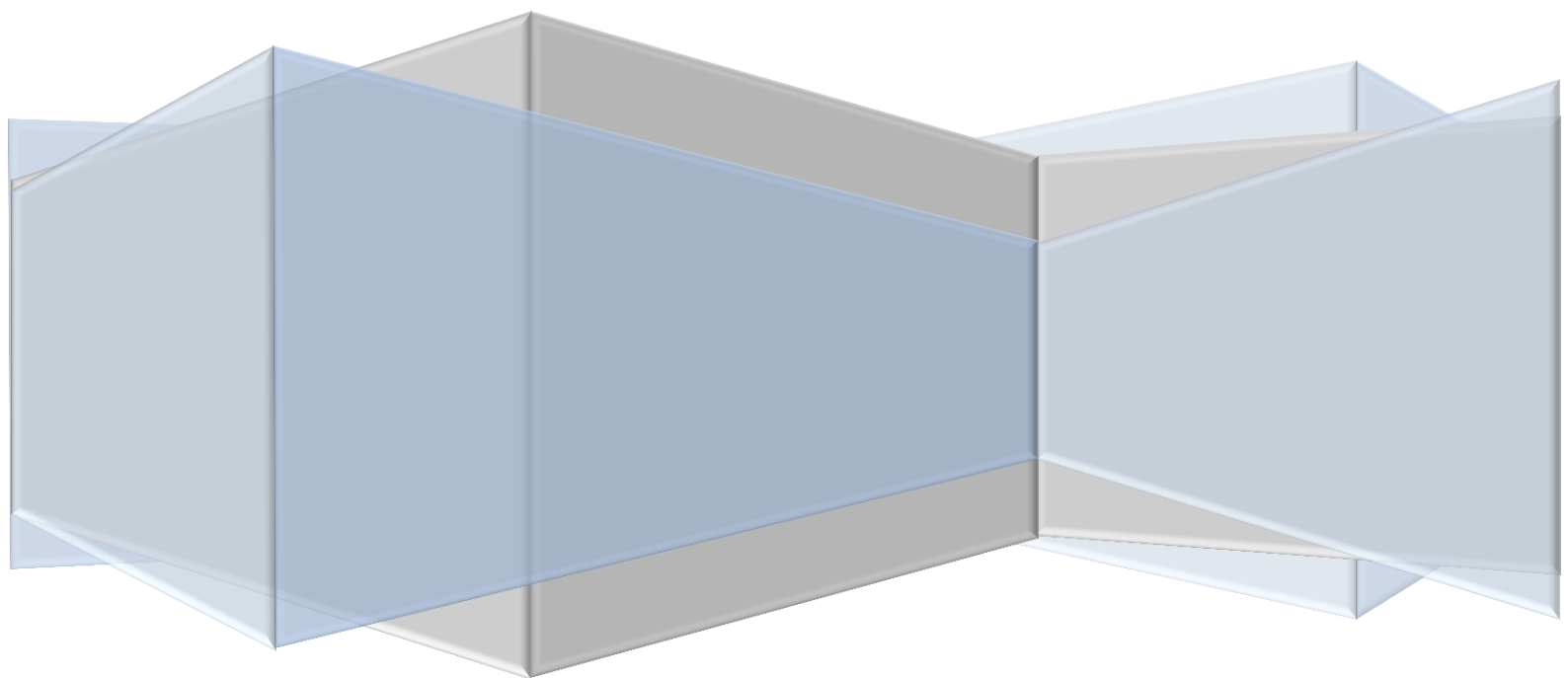


Automation Factory

Using Artifactory

Installation and User Guide

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What is **Artifactory**?

JFrog Artifactory is version control (and more) for your binary artifacts (jar/war files, etc). **Artifactory** is also a place where you can put a shared library so that it is easily accessible in other projects across the enterprise.

Artifactory can also host “virtual repositories” that are proxies to all of the “well known” maven repositories on the internet. This give you access to most of the public shared libraries such as Apache Commons, Spring, Hibernate, etc.; through one conduit.

For Artifactory to work, we must install Java JDK.

Set the `JAVA_HOME` environment variable value to the path where you have JDK installed... e.g. `C:\Program Files\Java\jdk1.8.0_112`

Artifactory come with an embedded Derby database engine. We can modify the same to use the database engine of our choice. Also Artifactory will make use of the local file system as the ‘filestore’. We can also choose the filestore of our choice.

Manual Installation:

Download the installable using below URL.

<https://www.dropbox.com/s/qy4fg675jyx9z3x/jfrog-artifactory-oss-6.2.0.zip?dl=0>

Use CURL or WGET command to download,

```
$ curl -o ./jfrog-artifactory-oss-6.2.0.zip  
https://www.dropbox.com/s/qy4fg675jyx9z3x/jfrog-artifactory-oss-6.2.0.zip?dl=0
```

Or,

```
$ wget https://www.dropbox.com/s/qy4fg675jyx9z3x/jfrog-artifactory-oss-6.2.0.zip?dl=0
```

To install Artifactory, simple unzip the downloaded file on to your file system. This will the `$ARTIFACTORY_HOME` variable. This can be set using the export command in Linux or set the environment variable in Windows.

To run the Artifactory simple run the file located at, `$ARTIFACTORY_HOME/bin/artifactory.sh`

Artifactory come with its own TOMCAT server as a bundled package with the downloaded package.

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By running the `Artifactory.sh` file, will start the TOMCAT server. The default port setting can be modified for the TOMCAT server, by modifying the file `server.xml` located at `$ARTIFACTORY_HOME/conf/server.xml`.

Checking if Artifactory is running,

```
$ARTIFACTORY_HOME/bin/artifactoryctl check | stop
```

Installing Artifactory as a service. To install Artifactory as a service locate and run the file,

```
$ARTIFACTORY_HOME/bin/installService.sh [USER [GROUP]]
```

To run Artifactory as a service, use the commands,

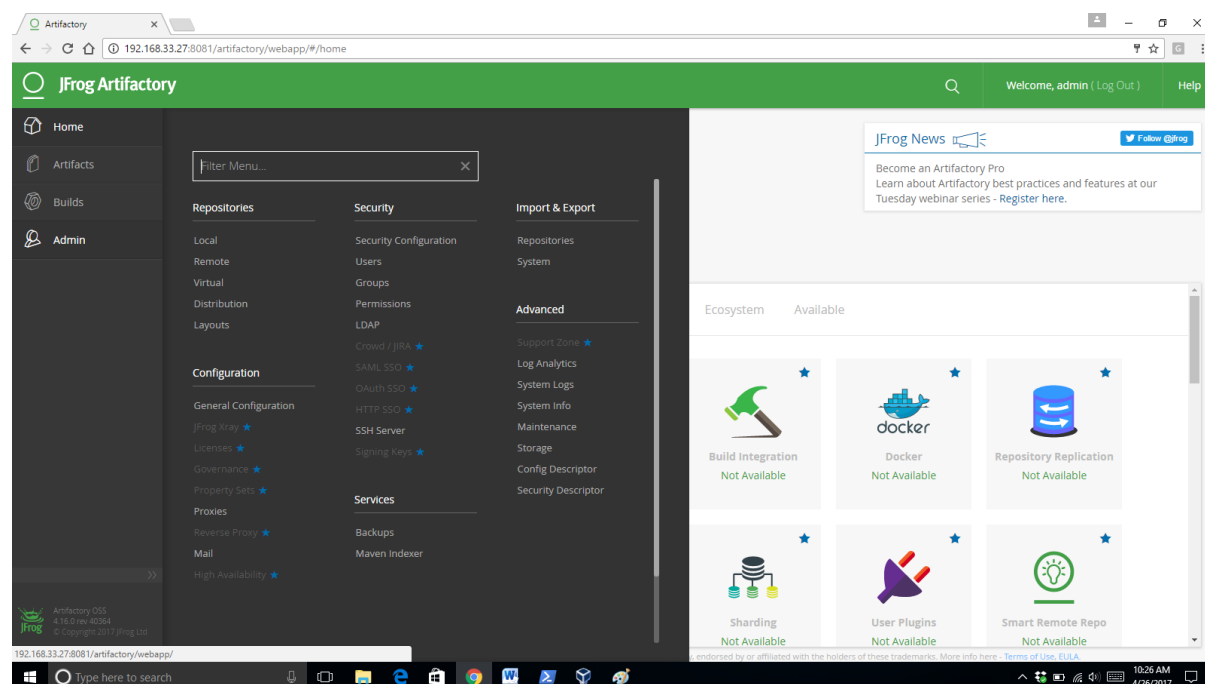
```
Service Artifactory start | stop
```

Artifactory can also be installed as RPM or a Debian package. The default link to access the application would be as shown below.

`http://SERVER_DOMAIN:8081/artifactory`

Default login ID and password for Artifactory are 'admin/password'

Once logged in, Artifactory home page provides option to create a repository, user, groups, modify access. We can also view the builds and Artifacts that are moved to the repository.



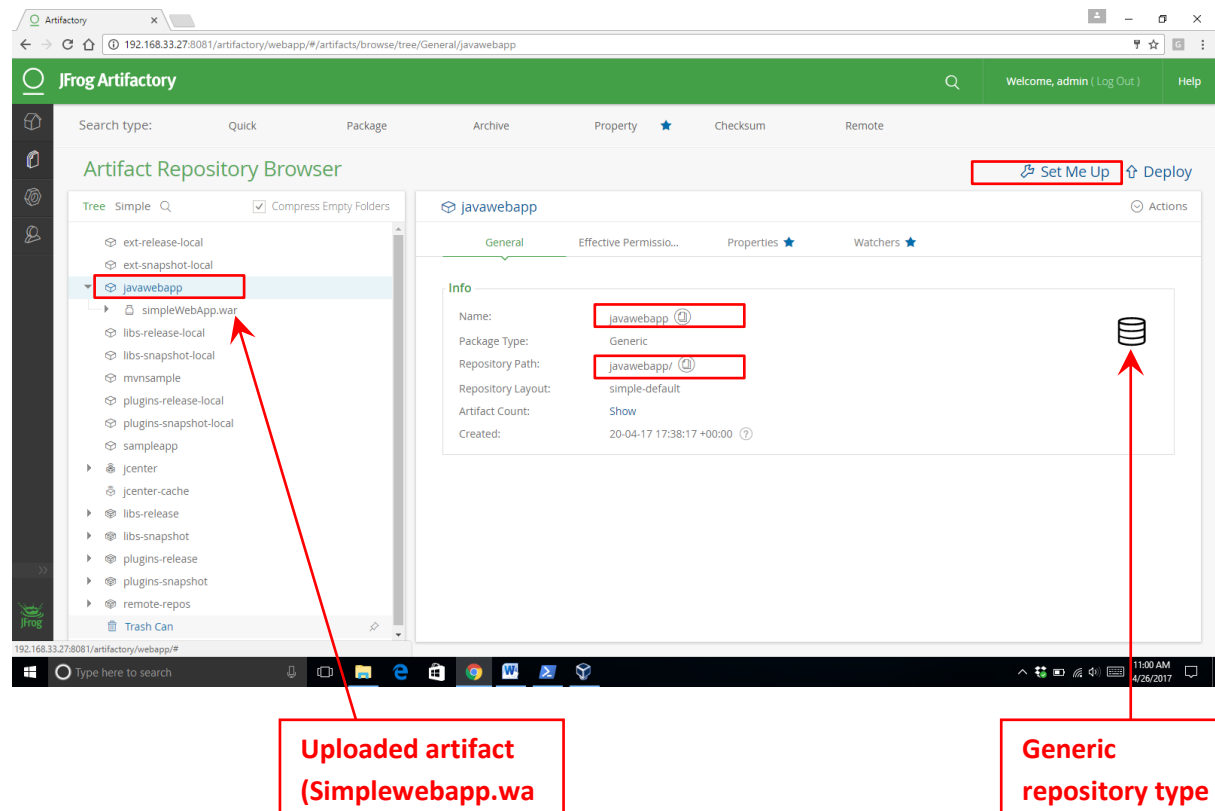
The home page lists all available repository types.

The Artifacts link takes you to the Artifact Repository Browser.

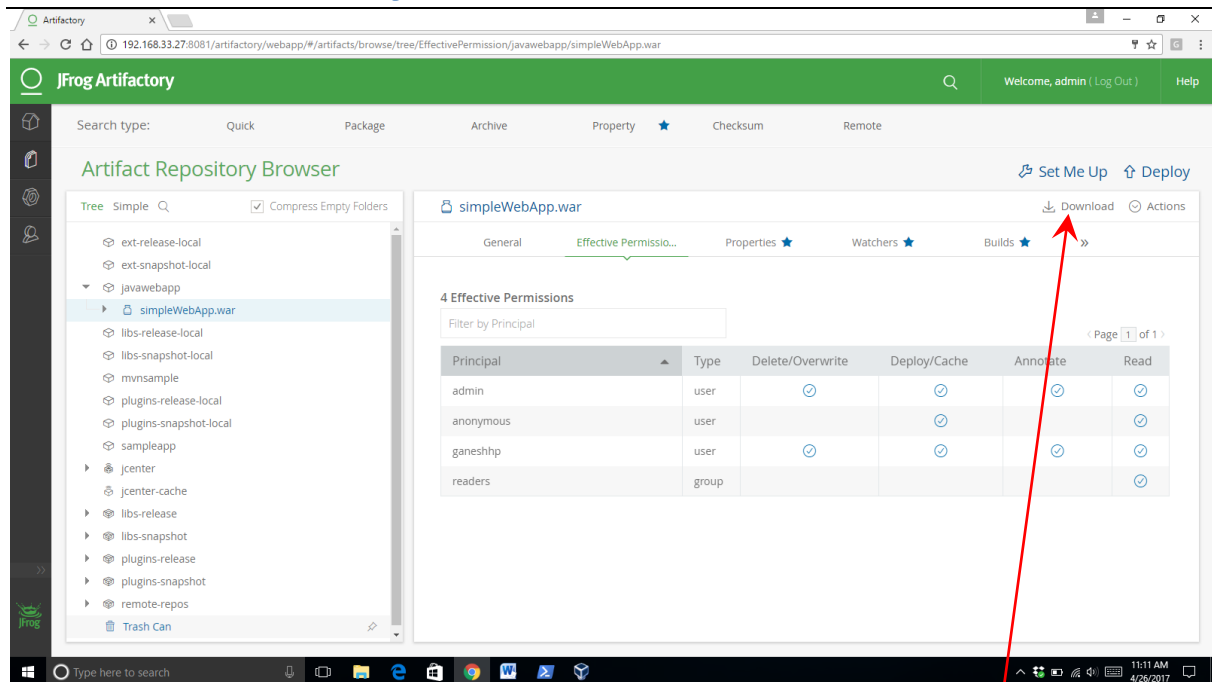
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The Build tab provides access to the build that are uploaded to the configured repository.

The Admin tab provides link to the repository creation, general configuration, import / exporting existing repository, etc.

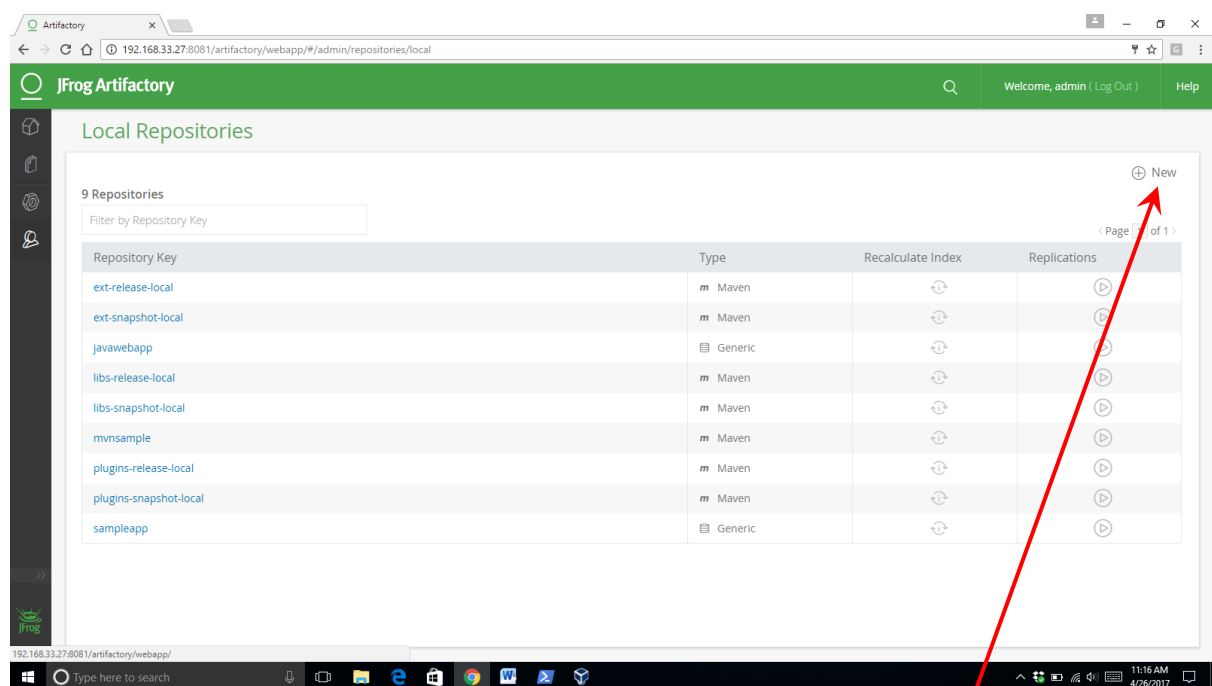


The above image shows that after clicking on the Artifact tab we get the repository browser which in-turn lists all default and customized repositories. The customized repository also shows the uploaded artifact.



Link to download artifact

Creating new repository:



Creating a new repository is a simple task in Artifactory. Click on the New button and select type of repository that we want to create. In case of a binary repository for uploading WAR / JAR / EAR / EXE etc, should create a generic repository. Provide a unique name for the repo.

Integrating Artifactory with Jenkins.

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To integrate Artifactory with Jenkins, Jenkins should be updated with Artifactory server URL and Login credentials, repository to be used for uploading artifacts, etc.

Click on 'set-me-up' to get server URL. Use this URL to update the Jenkins configuration.