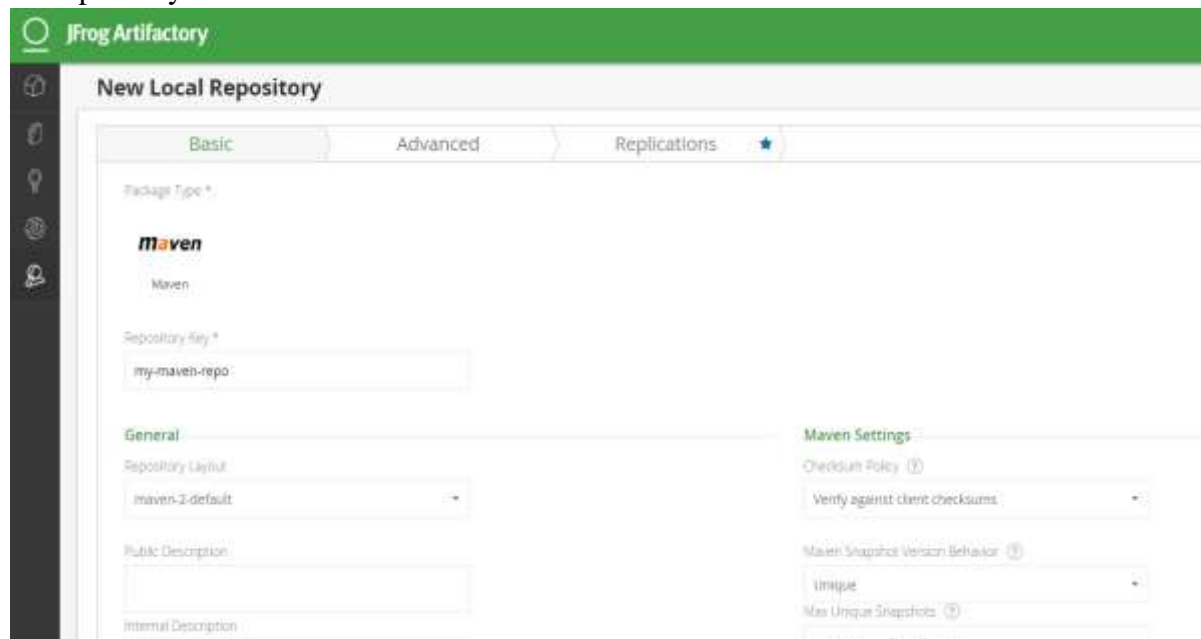


## Configuring Artifactory

1. Install artifactory (refer <https://www.jfrog.com/confluence/display/RTF/Installing+on+Linux+Solaris+or+Mac+OS#InstallingonLinuxSolarisMacOS-InstallingArtifactory>)
2. Login into artifactory & click on admin & create new local repository, then select maven repository

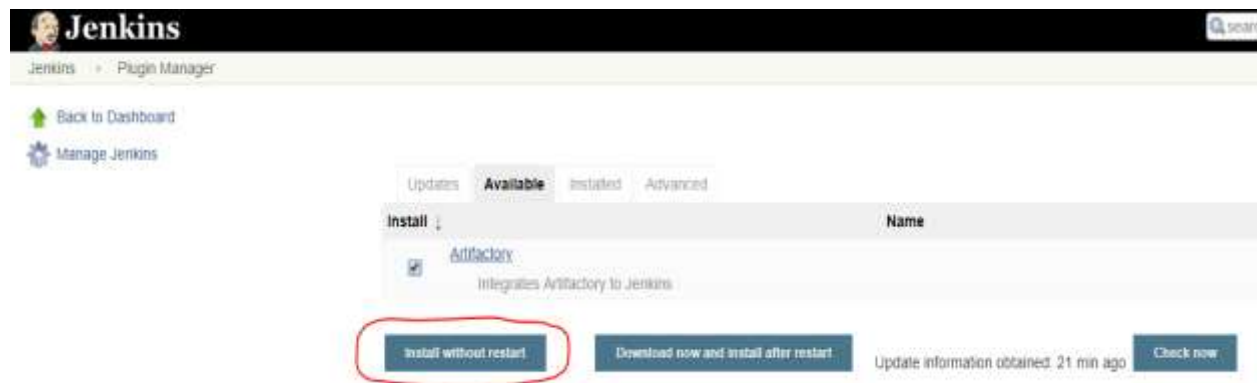


The screenshot shows the 'New Local Repository' configuration page in JFrog Artifactory. The 'Basic' tab is selected, and the 'Package Type' is set to 'maven'. The 'Repository Key' is 'my-maven-repo'. The 'General' section shows 'Repository Layout' as 'maven-2-default'. The 'Maven Settings' section shows 'Checksum Policy' as 'Verify against client checksums' and 'Maven Snapshot Version Behavior' as 'Unique'.

3. Click on save & finish

## Configuring artifactory in jenkins

- Configuring Jenkins
  - Installing the artifactory plugin in Jenkins



- Configure the artifactory plugin. Go to the Manage Jenkins => configure system and select artifactory& enter configuration

## Manage Jenkins



[Configure System](#)

Configure global settings and paths



[Configure Global Security](#)

Secure Jenkins; define who is allowed to access/use the system.



[Configure Credentials](#)

Configure the credential providers and types



[Global Tool Configuration](#)

### Artifactory

☒ Enable Push to Bintray

☐ Use the Credentials Plugin

Artifactory servers

Add Artifactory Server

List of Artifactory servers that projects will want to deploy artifacts and build info to

☐ Deprecated - Enable Build-Info proxy for Docker images

- Click on Add Artifactory Server. Enter the information such as shown in image below consisting of url, username & password.

Artifactory

☒ Enable Push to Bintray

☐ Use the Credentials Plugin

Artifactory servers

Artifactory

Server ID

URL

Default Deployer Credentials

Username

Password

☐ Use Different Resolver Credentials

Advanced...

Test Connection

Delete

- Click on Test Connection

Artifactory

☒ Enable Push to Bintray

☐ Use the Credentials Plugin

Artifactory servers:

☐ Artifactory

Server ID: MYARTIFACTORY

URL: http://34.217.130.167:8081/artifactory

Default Deployer Credentials:

Username: admin

Password: \*\*\*\*\*

Found Artifactory 5.9.0

Advanced...

Test Connection

- Click on save Button.


## Creation of Maven Project


### 1. Create new Item & Select Maven Project

Enter an item name

MavenForArtifactory

\* Required field

 **Freestyle project**  
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

 **Maven project**  
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.

### 2. Configure Source Code Management

### Source Code Management

☐ None  
☒ Git

Repositories

Repository URL:

Credentials:

Branches to build

Branch Specifier (blank for 'any'):

Repository browser:

Additional Behaviours:

### 3. Select Build and configure Build

☒ General
 ☐ Source Code Management
 ☐ Build Triggers
 ☐ Build Environment
 ☐ Pre Steps
 ☐ Build
 ☐ Post Steps
 ☐ Build Settings

Post-build Actions

☐ Disable this project

### Build

Root POM:

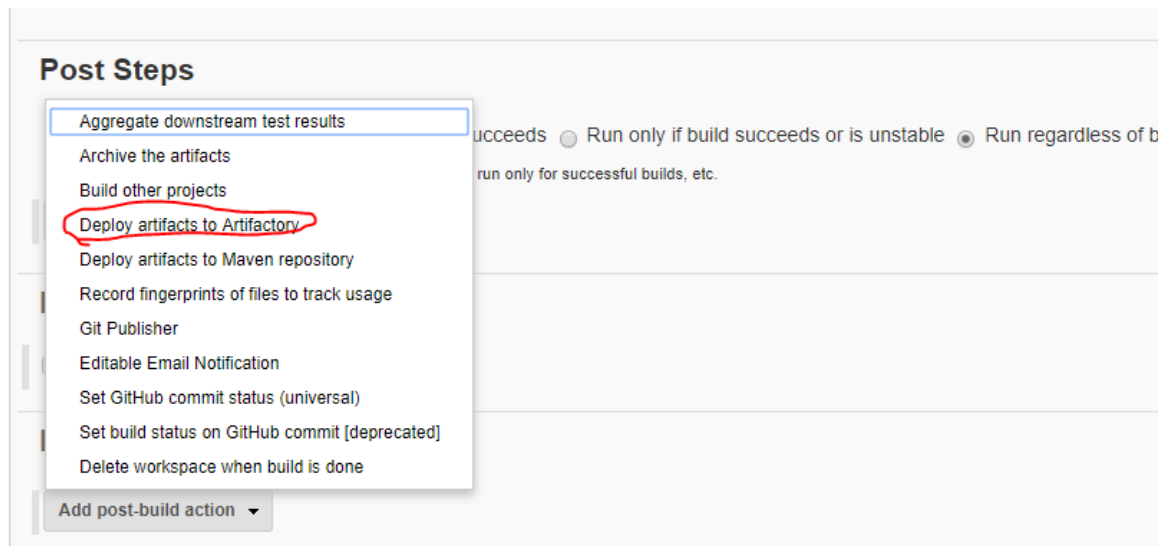
Goals and options:

### 4. Select Post Build Actions and Deploy artifacts to artifactory

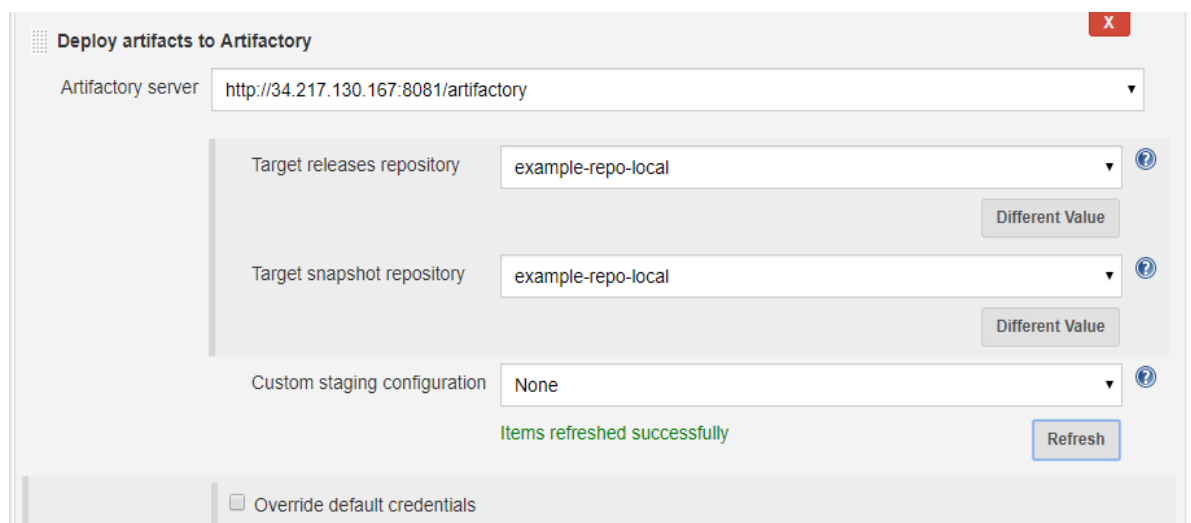
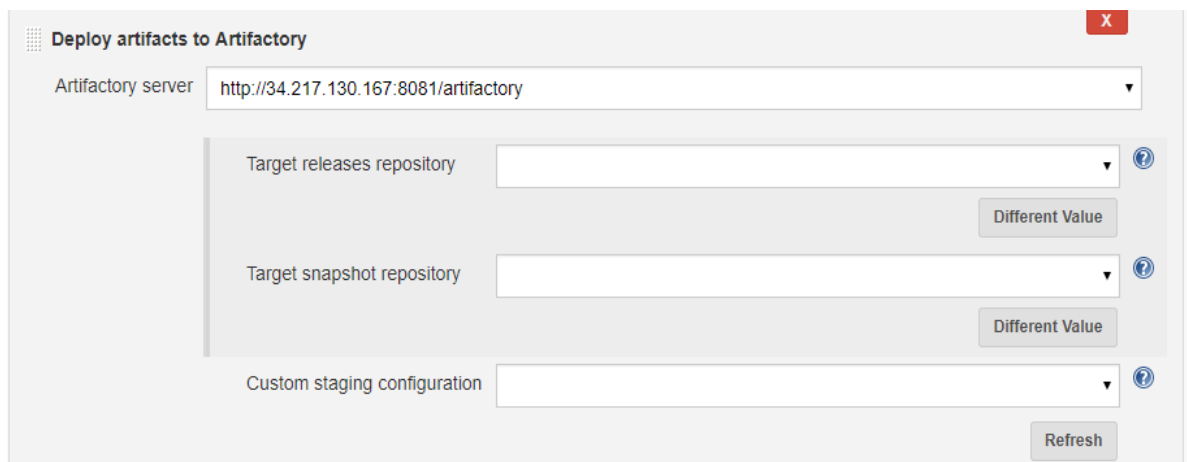
☒ General
 ☐ Source Code Management
 ☐ Build Triggers
 ☐ Build Environment
 ☐ Pre Steps
 ☐ Build
 ☐ Post Steps
 ☐ Build Settings

Post-build Actions

☐ Disable this project

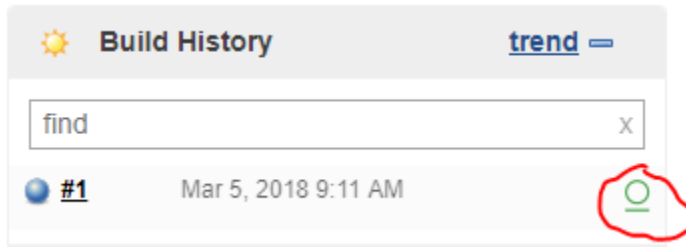


5. Click Refresh & select Repository created in artifactory

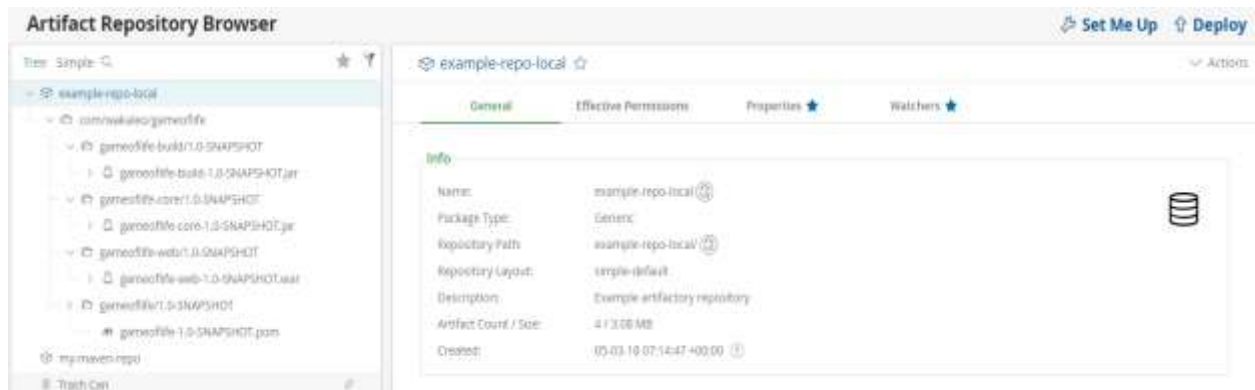


6. Click on save

7. Build the project and wait for the build to be successful
8. Click on the artifactory build info in builds



9. Navigate into the artifactory and you can find the following

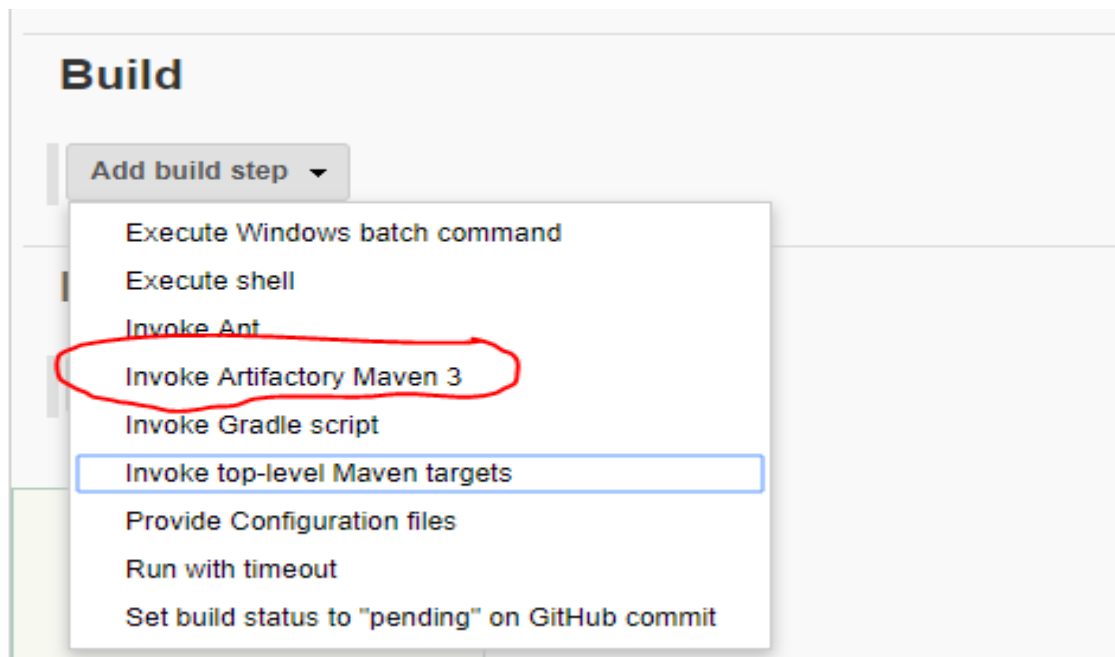


### Creation of Free Style Maven – artifactory integration

1. Create a new free style project
2. Select source code
3. Configure Build Environment & select Maven-Artifactory

The screenshot shows the 'Build Environment' section with several checkboxes: 'Delete workspace before build starts', 'Use secret text(s) or file(s)', 'Provide Configuration files', 'Abort the build if it's stuck', 'Add timestamps to the Console Output', 'Ant/Ivy-Artifactory integration', 'Generic-Artifactory integration', 'Gradle-Artifactory integration', and 'Maven3-Artifactory integration' (which is checked). Below this is the 'Artifactory Configuration' section. It includes a dropdown for 'Artifactory server' with the value 'http://34.217.130.167:8081/artifactory'. There are two dropdowns for 'Target releases repository' and 'Target snapshots repository', both set to 'my-maven-repo'. A green message 'Items refreshed successfully' is displayed. At the bottom, there are checkboxes for 'Override default credentials' and 'Resolve artifacts from Artifactory'.

4. Navigate to Build Steps & Select invoke Artifactory Maven 3



5. Select Goals

### Build

Invoke Artifactory Maven 3

Maven Version

Maven

Root POM

Goals and options






package



Advanced...

6. Save the Project/Item & click Build
7. Click on Artifactory Build Info

### Build History

find x

 <b>#2</b>	Mar 5, 2018 9:20 AM	  
 <b>#1</b>	Feb 16, 2018 10:39 AM	

 [RSS for all](#)
 [RSS for failures](#)

### Build Browser

All Builds > gameOfLife > 2

Build #2

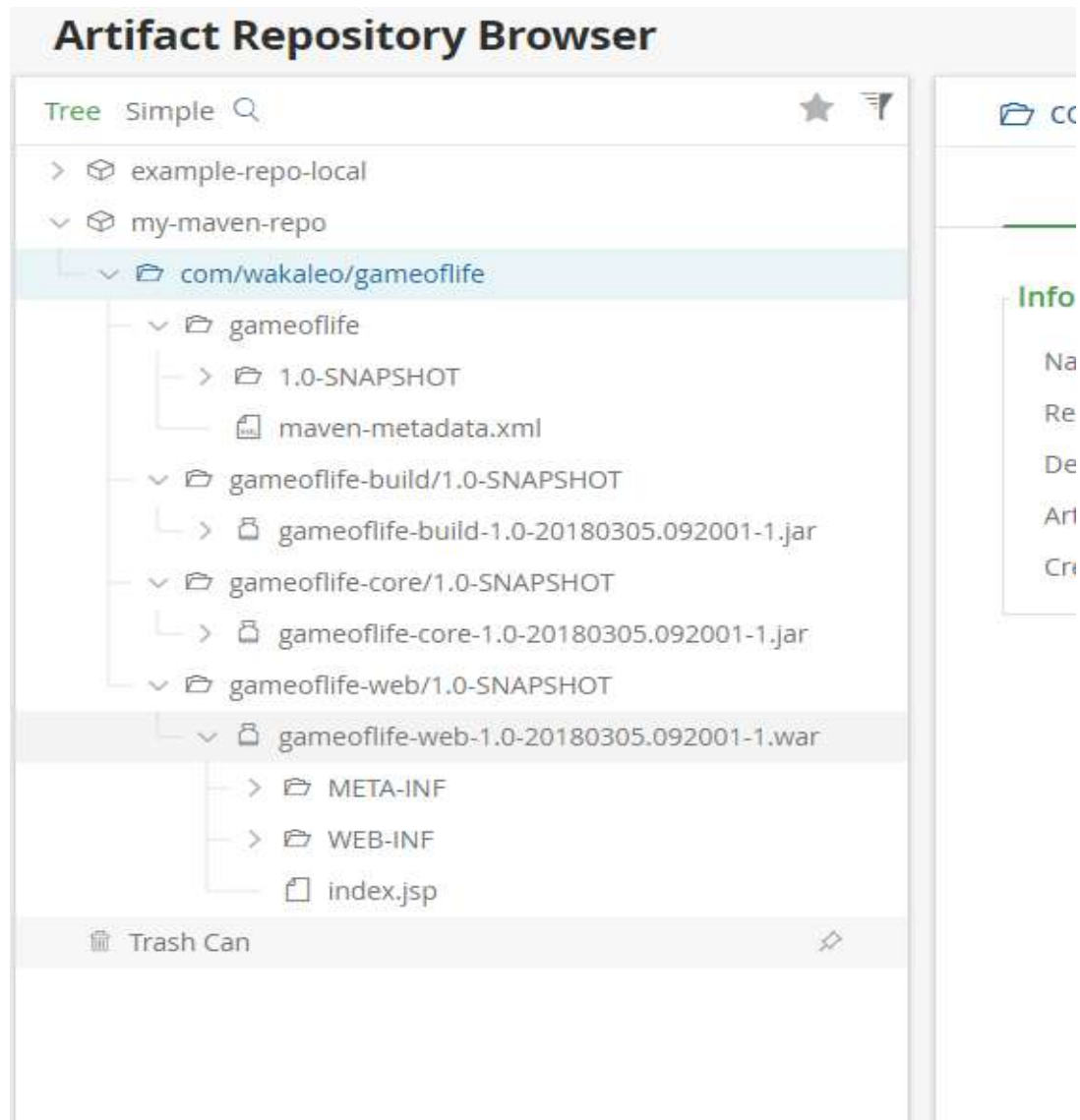
[General Build Info](#)
[Published Modules](#)
[Environment](#)
[Issues](#)
[Licenses](#)
[Diff](#)
[Release History](#)
[Build Info \(JSON\)](#)

**General Info**

Name:	gameOfLife
Number:	2
Agent:	Jenkins/2.89.4
Build Agent:	Maven/3.5.2
Started:	2018-03-05T09:20:03.945+0000
Duration:	0.6 seconds
Principal:	quality
Artifactory Principal:	admin
URL:	<a href="http://jenkins-1042939855.us-west-2.elb.amazonaws.com/job/gameOfLife/2/">http://jenkins-1042939855.us-west-2.elb.amazonaws.com/job/gameOfLife/2/</a>

8. Click On Artifactory Repo Browser & Check the builds generated.





9.