



Jenkins

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MAVEN Compile

- 1) select new item (mvn-proj) -->**
 select "free style"
- 2) provide a Git path for**
“Source Code Management”
- 3) select 'Build'**
 --> **select 'invoke top level maven target'**
 --> **provide Maven version : mvn 3.3**
 goal : compile
save & build

Maven Compile

- Add timestamps to the Console Output
- Use secret text(s) or file(s)
- With Ant

Build

Add build step ▾

- Conditional step (single)
- Conditional steps (multiple)
- Execute Windows batch command
- Execute shell
- Invoke Ant
- Invoke Gradle script
- Invoke top-level Maven targets**
- Run with timeout
- Set build status to "pending" on GitHub commit
- Trigger/call builds on other projects

Maven Compile

Build

Invoke top-level Maven targets

Maven Version: mvn 3.5

Goals: compile

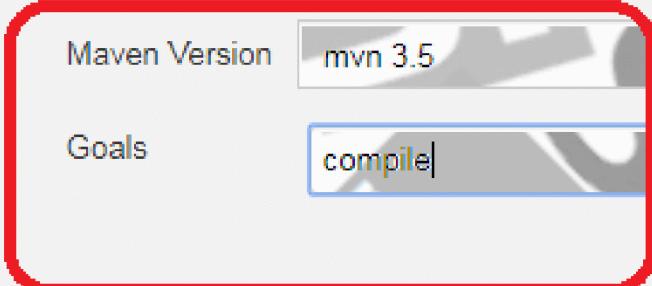
Add build step ▾

Advanced...

Post-build Actions

Add post-build action ▾

Save **Apply**



Maven Compile

The screenshot shows the Jenkins build configuration for a job named "Maven Compile". The top navigation bar includes tabs for General, Source Code Management, Build Triggers, Build Environment, **Build**, and Post-build Actions. The Build tab is active, indicated by a blue background and bold text.

The main content area displays a list of post-build actions. The "Build other projects" option is highlighted with a blue selection bar and a large red arrow pointing towards it from the left. Other listed actions include:

- Aggregate downstream test results
- Archive the artifacts
- Build other projects** (highlighted)
- Publish JUnit test result report
- Publish Javadoc
- Record fingerprints of files to track usage
- Git Publisher
- Build other projects (manual step)
- E-mail Notification
- Editable Email Notification
- Set GitHub commit status (universal)
- Set build status on GitHub commit [deprecated]
- Trigger parameterized build on other projects
- Delete workspace when build is done

At the bottom left, there are "Save" and "Apply" buttons. A red arrow points from the left side of the screen towards the "Build other projects" option in the list.

Maven Compile

Add build step ▾

Post-build Actions

Build other projects

Projects to build mvn_package

Trigger only if build is stable
 Trigger even if the build is unstable
 Trigger even if the build fails

Add post-build action ▾

Save **Apply**

MAVEN Package

- 1) select new item (mvn-proj) -->**
 select "free style"
- 2) provide a Git path for**
“Source Code Management”
- 3) select 'Build'**
 --> **select 'invoke top level maven target'**
 --> **provide Maven version : mvn 3.5**
 goal : package
save & build

Maven Package

The screenshot shows a Jenkins configuration page for a build step. The top navigation bar has a 'With Ant' checkbox and a help icon. The main section is titled 'Build' and contains a 'Invoke top-level Maven targets' step. This step is highlighted with a red rectangle. Inside the step, the 'Maven Version' dropdown is set to 'mvn 3.5' and the 'Goals' input field contains 'package'. There is also an 'Advanced...' button. Below this step is an 'Add build step' dropdown. The 'Post-build Actions' section is partially visible below, with an 'Add post-build action' dropdown. At the bottom are 'Save' and 'Apply' buttons.

With Ant

Build

Invoke top-level Maven targets

Maven Version: mvn 3.5

Goals: package

Advanced...

Add build step ▾

Post-build Actions

Add post-build action ▾

Save Apply

Maven Package

Add build step ▾

Post-build Actions

Build other projects

Projects to build: mvn_deploy

Trigger only if build is stable

Trigger even if the build is unstable

Trigger even if the build fails

Add post-build action ▾

Save

Apply

MAVEN Deploy

1) select new item (mvn-proj) -->

select "free style"

2) select 'Build'

--> select 'Execute Shell'

```
cp /root/.jenkins/workspace/mvn_pack/target/sample.war
```

```
/opt/apache-tomcat-9.0.0.M15/webapps/
```

save & build

Maven Deploy

Abort the build if it's stuck

Add timestamps to the Console Output

Use secret text(s) or file(s)

With Ant

?

?

Build

Execute shell

Command

```
cp /root/.jenkins/workspace/mvn_package/target/myproj.war /opt/apache-tomcat-9.0.42/webapps/
echo "file Deploy to Tomcat Webapps"
echo "Author: SATISH"
```

See [the list of available environment variables](#)

Advanced...

Add build step ▾

Save  Apply 

Build Pipe Line

select (+) in all Projects

View Name : pipe_view

select Build pipe line view --> ok

"select Initial Job" : Maven_Compile --> ok

Build Pipe Line

The screenshot shows the Jenkins dashboard with a build pipeline highlighted by hand-drawn arrows.

Annotations:

- A green arrow points from the Jenkins logo on the left to the "New View" button at the top center.
- A blue arrow points from the "New View" button to the "mvn_compile" job in the list.
- Red arrows form a loop around the "mvn_compile", "mvn_package", and "mvn_deploy" jobs, indicating their sequential flow.

Jenkins Dashboard Components:

- Left Sidebar:** Includes links for New Item, People, Build History, Manage Jenkins, My Views, and Credentials.
- Build Queue:** Shows "No builds in the queue."
- Build Executor Status:** Shows 1 Idle and 2 Idle executors.
- Central View:** A table listing Jenkins jobs with columns for icon, name, last success, last failure, and last duration.
- Bottom Right:** Includes a "Legend" and three RSS feed links for all, failures, and Jenkins news.

Icon	Name	Last Success	Last Failure	Last Duration
S	ant_demo	22 min - #3	12 hr - #1	1.9 sec
S	demo_proj	28 min - #9	44 min - #4	4.3 sec
S	mvn_compile	44 sec - #2	N/A	3.9 sec
S	mvn_deploy	23 sec - #2	N/A	39 ms
S	mvn_package	33 sec - #2	N/A	4.9 sec

Build Pipe Line

Jenkins 2 search ?

Jenkins >

- [!\[\]\(f98fae3e814798c08d139a4c30c9ab3c_img.jpg\) New Item](#)
- [!\[\]\(315a30994a53bdc7c0b3b5d60bd68a8f_img.jpg\) People](#)
- [!\[\]\(181a24b40354f1ba57a7fb3f53b75d85_img.jpg\) Build History](#)
- [!\[\]\(abdaa36b47fa525142932abbc2512e5b_img.jpg\) Manage Jenkins](#)
- [!\[\]\(3c06aedd4ec46a7f04c955a640190357_img.jpg\) My Views](#)
- [!\[\]\(c6b316602b034bd96f293b8d58b50879_img.jpg\) Credentials](#)

Build Queue -

No builds in the queue.

Build Executor Status -

1 Idle
2 Idle

View name

Build Pipeline View

Shows the jobs in a build pipeline view. The complete pipeline of jobs that a version goes through are shown as a row in the view.

List View

Shows items in a simple list format. You can choose which jobs are to be displayed.

My View

This view automatically displays all the jobs that the current user has an access to.

OK

Build Pipe Line

Pipeline Flow

Layout

Based on upstream/downstream relationship ▾

This layout mode derives the pipeline structure based on the upstream/downstream trigger relationship between jobs. This is the only out-of-the-box supported layout mode, but is open for extension.

Trigger Options

Build Cards

Upstream / downstream config

Select Initial Job

- ant_demo
- ant_demo
- demo_proj
- mvn_compile**
- mvn_deploy
- mvn_package

Standard build cards

Use the default build cards

Restrict triggers to most recent successful builds Yes No

Always allow manual trigger on pipeline steps Yes No

Display Options

No Of Displayed Builds

1

Row Headers

Just the pipeline number

OK Apply

Build Pipe Line

A screenshot of the Jenkins interface showing a build pipeline. At the top, there is a navigation bar with links to various services like Compute Engine, Amazon Web Service, and Puppet Forge. Below the navigation bar, the Jenkins logo is on the left, and a search bar and user account information ('admin | log out') are on the right. A red arrow points from the left towards the 'Run' button in the toolbar. The toolbar also includes 'History', 'Configure', 'Add Step', 'Delete', and 'Manage' buttons. The main area displays a 'Build Pipeline' with three stages: '#2 mvn_compile', '#2 mvn_package', and '#2 mvn_deploy'. Each stage is represented by a green card with details like execution date, duration, and user. Arrows indicate the flow from compile to package to deploy.

Build Pipe Line

Apps Compute Engine - sa Amazon Web Service Modules · Puppet For Sign In - Chef Manag The world's leading s https://hub.docker.co »

Jenkins 2 search admin | log out

Jenkins > SATISH_VIEW >

ENABLE AUTO REFRESH

Build Pipeline

Run History Configure Add Step Delete Manage

Pipeline #3

#3 mvn_compile
Jan 11, 2018 3:25:23 PM 4 sec admin

#3 mvn_package
Jan 11, 2018 3:25:35 PM 1.7 sec and counting

mvn_deploy
N/A N/A

