

Artifact versioning using \$BUILD_ID env variable in build step :

The screenshot shows the Jenkins 'Build' configuration page. It contains two build steps:

- Invoke top-level Maven targets:** The 'Goals' field is set to 'install'.
- Execute shell:** The 'Command' field contains the following shell commands:

```
mkdir -p artifact-version
cp target/vprofile-v1.war artifact-version/vprofile-$BUILD_ID.war
```

Below the 'Execute shell' step, there is a link to 'See the list of available environment variables' and an 'Advanced...' button. At the bottom left, there is an 'Add build step' button.

Artifact versioning using Date stamp using Zentimestamp in build step :

First we have to install plug in called Zentimestamp under manage plugins.

Updates Available Installed Advanced			
Enabled	Name ↓	Version	Pre
<input checked="" type="checkbox"/>	bouncycastle API Plugin This plugin provides an stable API to Bouncy Castle related tasks.	2.16.2	
<input checked="" type="checkbox"/>	Command Agent Launcher Plugin Allows agents to be launched using a specified command.	1.2	
<input checked="" type="checkbox"/>	Matrix Project Plugin Multi-configuration (matrix) project type.	1.13	
<input checked="" type="checkbox"/>	Zentimestamp plugin Plugin that allows the customization of the date and time pattern for the Jenkins BUILD_TIMESTAMP variable.	4.2	

We have to set what Timestamp format we want under configure system tab.

Quiet period	5
SCM checkout retry count	0
<input type="checkbox"/> Restrict project naming	
Global properties	
<input checked="" type="checkbox"/> Date pattern for the BUILD_TIMESTAMP (build timestamp) variable	
Date and Time Pattern	yyyyMMddHHmm
<input type="checkbox"/> Environment variables	
<input type="checkbox"/> Tool Locations	
Pipeline Speed/Durability Settings	
Pipeline Default Speed/Durability Level	None: use pipeline default (MAX_SURVIVABILITY)

Then we can set up our build step like below,

Build

Invoke top-level Maven targets

Goalsinstall

Advanced...

Execute shell

Commandmkdir -p artifact-version
cp target/vprofile-v1.war artifact-version/vprofile-\$BUILD_TIMESTAMP-\$BUILD_ID.war

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

Advanced...

Add build step