



**TRG – Enclave (a division of TRG International)**

*453-455 Hoang Dieu, Hai Chau, Danang, Vietnam*

*Tel: +84(5113) 253 000 – Fax: (05113)253 222*

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# APPLICATION DEPLOYMENT GUIDLINE DOCUMENT



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<b>Employee Information</b>	
<b>Employee Name</b>	Ha (Huck) H.K. NGUYEN
<b>Department</b>	Engineering
<b>Date</b>	09-OCT-2015



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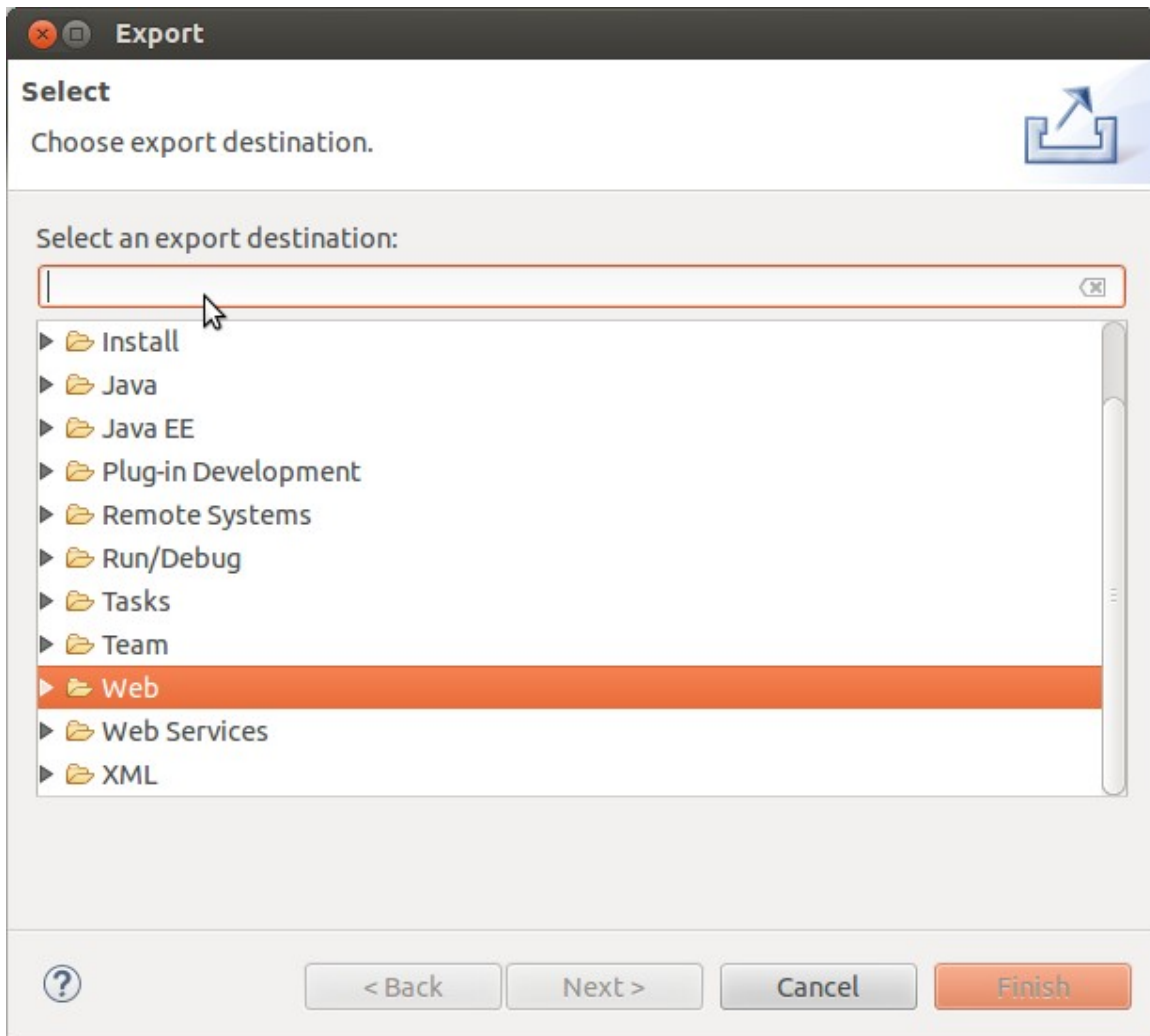
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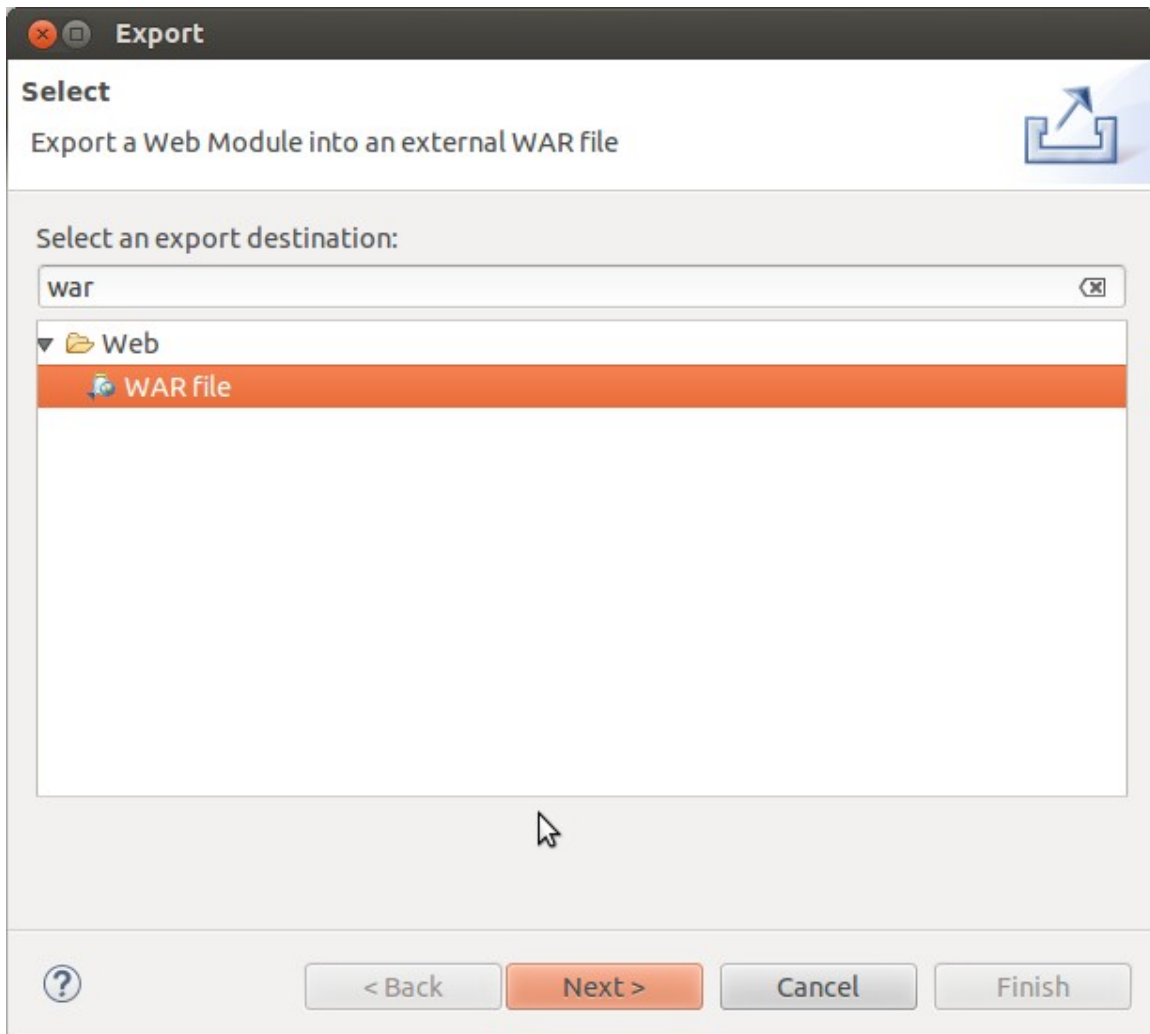
## 1. BUILD APPLICATION

### 1.1 Build with Eclipse IDE

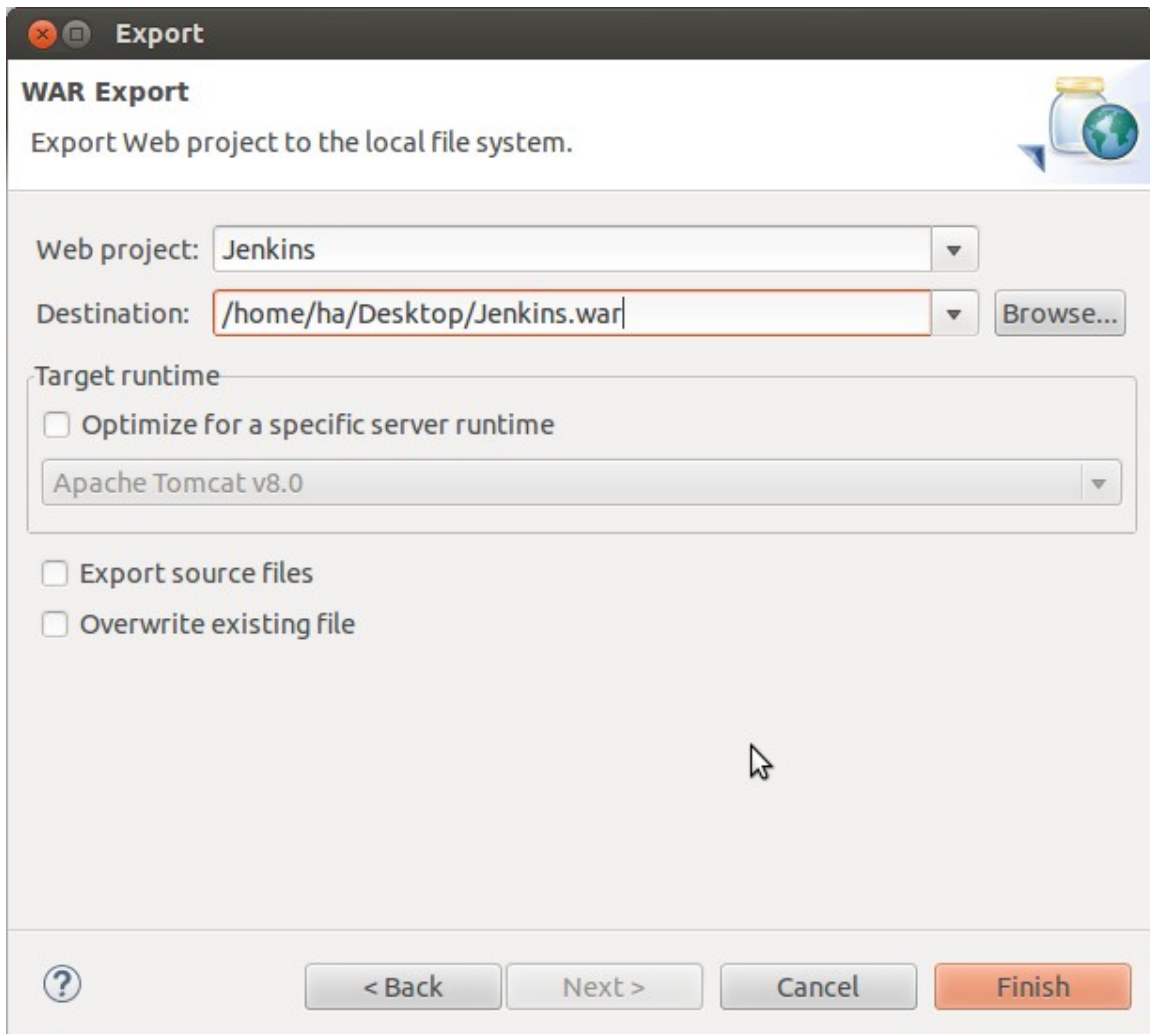
On Menu Bar in Eclipse, click File → Export.



Type “war” to Field → *Next*.



Name for file and browse to destination (for example: `/home/user/Desktop/Jenkins.war`).



*Finish.*

## 1.2 Build by Maven

Open *Terminal* → move to project directory.

```
root@ED071Huck: /home/ha/Documents/testjenkins/Example/Jenkins
root@ED071Huck: /# cd /home/ha/Documents/testjenkins/Example/Jenkins
root@ED071Huck: /home/ha/Documents/testjenkins/Example/Jenkins#
```

Type to *Terminal*:

*mvn clear*

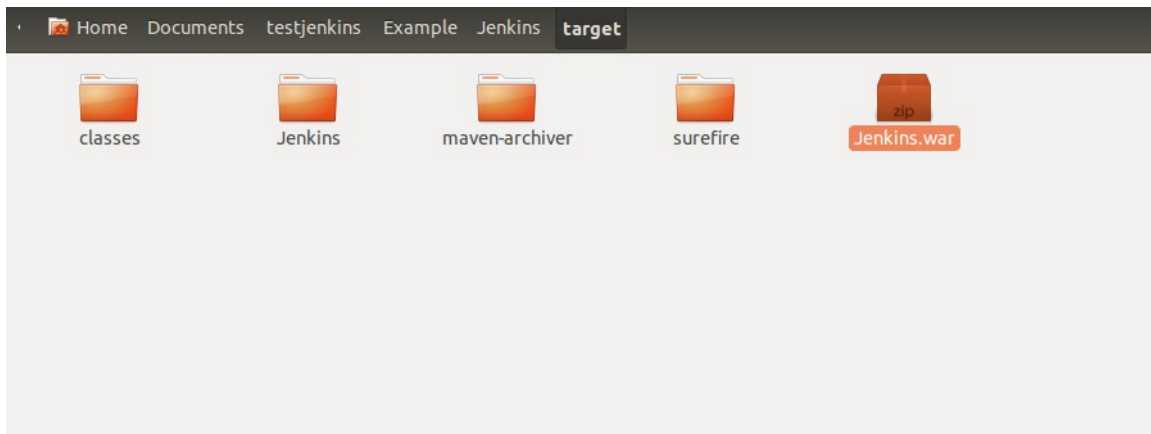
```
root@ED071Huck: /home/ha/Documents/testjenkins/Example/Jenkins
root@ED071Huck:/# cd /home/ha/Documents/testjenkins/Example/Jenkins
root@ED071Huck:/home/ha/Documents/testjenkins/Example/Jenkins# mvn clean
[INFO] Scanning for projects...
[INFO]
[INFO] -----
[INFO] Building Jenkins Maven Webapp 0.0.1-SNAPSHOT
[INFO] -----
[INFO]
[INFO] --- maven-clean-plugin:2.3:clean (default-clean) @ Jenkins ---
Downloading: http://repo.maven.apache.org/maven2/junit/junit/3.8.1/junit-3.8.1.jar
[INFO]
```

This command remove old builds, then, type to Terminal:

*mvn install*

```
root@ED071Huck: /home/ha/Documents/testjenkins/Example/Jenkins
[INFO] Final Memory: 6M/105M
[INFO] -----
root@ED071Huck:/home/ha/Documents/testjenkins/Example/Jenkins# mvn install
[INFO] Scanning for projects...
[INFO]
[INFO] -----
[INFO] Building Jenkins Maven Webapp 0.0.1-SNAPSHOT
[INFO] -----
[INFO]
[INFO] --- maven-resources-plugin:2.3:resources (default-resources) @ Jenkins ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:2.0.2:compile (default-compile) @ Jenkins ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.3:testResources (default-testResources) @ Jenkins ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /home/ha/Documents/testjenkins/Example/Jenkins/src/test/resources
[INFO]
[INFO] --- maven-compiler-plugin:2.0.2:testCompile (default-testCompile) @ Jenkins ---
```

Your build locates on *<Your project>/target/<project nam>.war*



### 1.3 Build with *Jenkins*

You can read guild line of building in *Jenkins*, take a look at *Jenkins References Document*.



## 2. DEPLOY APPLICATION

### 2.1 Deploy with Jboss (Jboss AS 7)

Download Jboss AS 7 from: <http://jbossas.jboss.org/downloads>

Create stand-alone folder (for example: `/home/./Desktop/standalone/`)

Go to `<jboss directory>/standalone/configuration`.

Open `standalone.xml`, then find these lines:

```
<subsystem xmlns="urn:jboss:domain:deployment-scanner:1.1">
```

```
...
```

```
</subsystem>
```

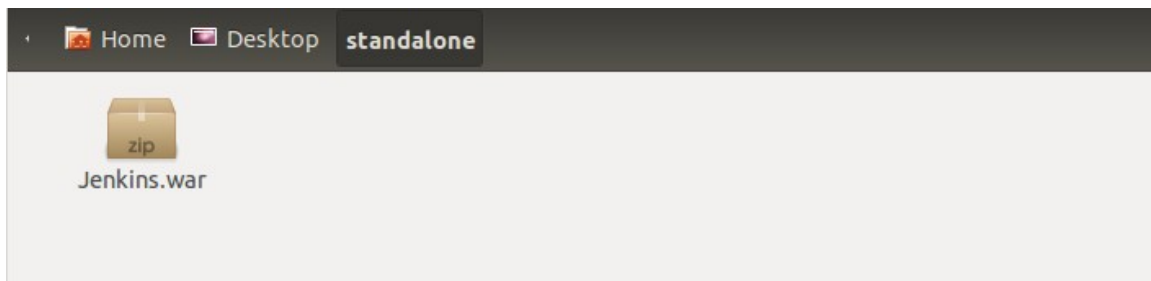
Add your stand alone directory:

```
<deployment-scanner name="<name>" path="<path>" scan-interval="5000"/>
```

It looks like:

```
<subsystem xmlns="urn:jboss:domain:deployment-scanner:1.1">
  <deployment-scanner path="deployments" relative-to="jboss.server
    .base.dir" scan-interval="5000"/>
  <deployment-scanner name="my-external-deployment-scanner" path="
    /home/ha/Desktop/standalone" scan-interval="5000"/>
</subsystem>
```

Copy your built file (WAR file) into your folder(`/home/./Desktop/standalone/`)



Go to `<jboss directory>/bin` in *Terminal*, start jboss:

```
./standalone.sh
```

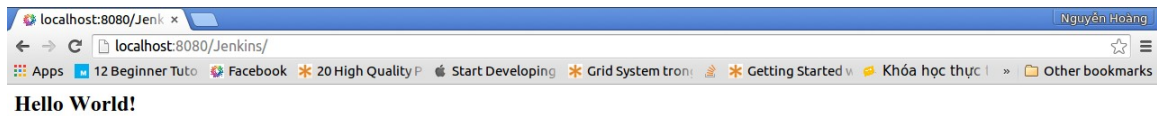
Open Browser, go to `localhost:8080/<Project name>`



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## 2.2 Deploy with Tomcat Apache

Download Tomcat here: <http://tomcat.apache.org/>

Copy war file into <Tomcat directory>/webapps.

Move to <Tomcat directory>/bin in *Terminal*, then give permission for bash files:

```
sudo chmod +x startup.sh
```

```
sudo chmod +x shutdown.sh
```

Run server:

```
sudo ./startup.sh
```

Open web browser, then go to *localhost:8080/<Project name>*

To stop Tomcat service go to <Tomcat directory>/bin:

```
sudo ./shutdown.sh
```