**Capstone Project: FlyAway**

This section will guide you to:

* Run the capstone project given to you for reference

**Prerequisites:**

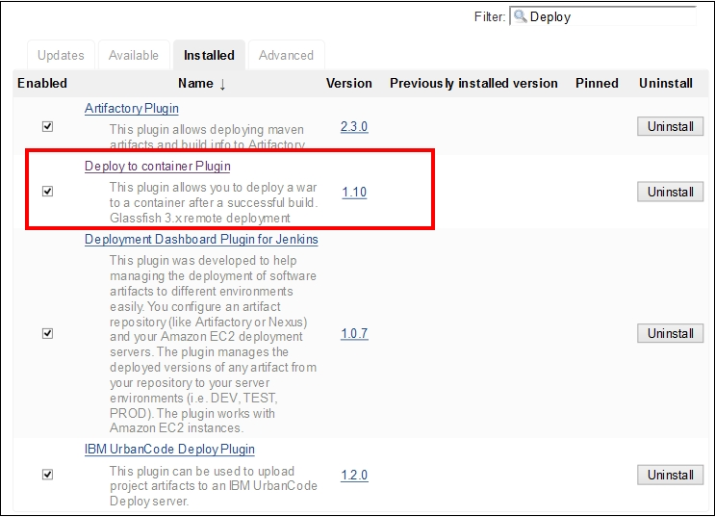
* Install Eclipse for Enterprise and Core Java
* Install Tomcat server
* Install MySQL server
* Install Jenkins
* Install Postman
* Install NodeJS and newman

**Step 1:** Serve dummy app

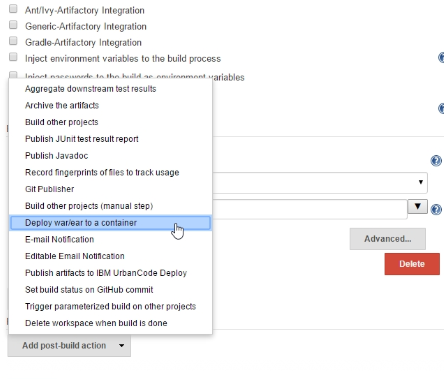
* In the capstone zip folder, you have a **Dummy App** folder
* Import the **flyaway.war** in Eclipse
* Also, run the script from **FlyAway\_DBScript** file in your *mysql server command prompt*
* Update Maven for your project
* Right-click on the project in Eclipse and run it on the server

**Step 2: Execute** Jenkins jobs

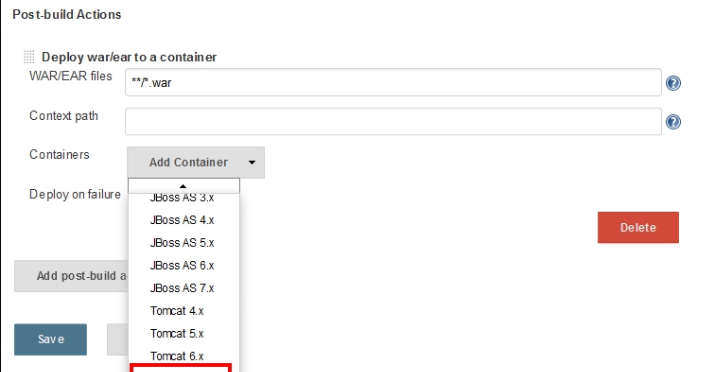
* Open Jenkins in the browser
* Go to **Manage Jenkins=>Manage Plugins=> Available Tab=>** Search for **Deploy to container Plugin** and install it as shown below:



* Create a freestyle job
* Click on the **Add post-build action** button and select **Deploy war/ear to container** as shown below:



* In the capstone folder, there is an **Automation and Unit Testing** folder
* Provide the path for the **MavenTest.war** file. Provide in Jenkins under **Deploy war/ear to container** as shown below, and select the tomcat version installed in the machine:



* In the **tomcat-users.xml** file in your tomcat’s directory, remove the comments from the code given below:

**<!--**

**<role rolename="tomcat"/>**

**<role rolename="role1"/>**

**<user username="tomcat" password="tomcat" roles="tomcat"/>**

**<user username="both" password="tomcat" roles="tomcat,role1"/>**

**<user username="role1" password="tomcat" roles="role1"/>**

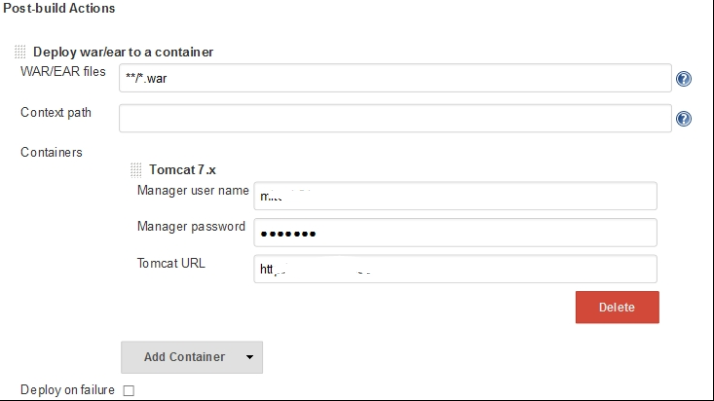
**-->**

* Add the following code in the **tomcat-users.xml** file:

**<role rolename="manager-script"/>**

**<user username="<yourUserName>" password="<YourPassword>" roles="manager-script"/>**

* Provide the **Manager username, password, and Tomcat URL** in Jenkins job as shown below:



* In the **Build** section, click on **Add build step,** select **Execute Shell,** and add the script given below:

**cd <yourCapstoneFolder>**

**cd API Scripts**

**npm install –g newman**

**newman run fly.postman\_environment**

**newman run C1.postman\_collection**

* Save and build the job