**HOW TO DO DEPLOYMENT FROM JENKINS :**

>>to deploy packages into tomcat server first tomcat server should be in up and running ,

next thing is ,

if jenkins and tomcat both are in only one server we can copy the packages into tomcat server by using cp command ,

>>if tomcat is there in different server like vm ware or aws or linux , now how to deploy is we will install one plugin that plugin name is **deploy to container**

**By using plugin we can deploy the packages into tomcat server or we can write one script for deployment purpose ,**

>>But we can do deployment easily by using plugin

>> i created packages using maven in jenkins now how to deploy that packages into tomcat server ,

in two ways we can do , one is

in job configuration go to ADD POST BUILD ACTION select execute windows batch command if your using window or select execute shell if your using LINUX and write one small script inside the box

mainly deployment will happen according to the goals ,

cp (war file location) (webapps folder location)

**cp "c:\program files (x86)\jenkins\workspace\job1\target\executablefilename[webapps.war]" "destination path(till webapps folder)"**

**or**

**by using deploy to container we can do deployment**

**this all we will do in windows**

**HOW TO DEPLOY BY CONTAINER :**

**>>if you use this plugin we can deploy into tomcat and jboss and weblogic**

**>>in the job configuration go to ADD POST BUILD ACTIONS and select deploy to container**

**here we need to give ,**

**WAR/EAR file :\*\*/\*.war**

**context path : webapps.war(executable file-name)**

**Containers: ADD CONTAINER ---->**here we need to add server exactly where you want to deploy, at a time we can add multiple servers if credentials are we can setup here

Select server like Tomcat 8.x --------------> here 8.x is a version

**Tomcat URL :** [**http://192.168.33.10:8082**](http://192.168.33.10:8082/)

>>after this you have to set E-MAIL notification if you want to get notification you have to give mail here.

>>In ADD POST BUILD ACTION only E-MAIL notification option also will be there.

we need to give E-mail in **project recipient list** , we can give multiple emails also with , (kama) and space

CONTENT TYPE : plan text(text plan)

DEFAULT SUBJECT : deploy job

if you come down attach build log option will be there so here attach build log and next step is , ADD TRIGGER ----> ALWAYS and save and build the job

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**HOW TO SET EMAIL-NOTIFICATION :**

in the job configuration we have option email notification where it will be means at the last ADD POST BUILD ACTIONS click on this and select E-MAIL notification pass the mail-id here,

before we enter email in job configuration first we need to setup SMTP server configuration

manage jenkins---->configure system---->at the last we have one option like E-MAIL notification

here we need to set SMTP server ,(in video 5 at 28:00 minutes about email explanation)

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**ROLE BASED AUTHORIZATION STRATEGY:**

this is one of the plugin we will download from plugin section in jenkins,

Main use of this plugin,

>Suppose we have 20 servers now i will devide that 20 servers into 4 teams after that i will create one role and i will give the permission to the role and now i will add that four teams into role whatever the permission i have given to role that permission will be applied into the each server.

first install plugin ,

go to manage jenkins---->configure system -----> select role based stategy -----> save

after , in manage jenkins--> select manage and assign roles--->here we will create two roles

build and create , now we can give whatever the permissions if we want to give those permissions we have to give role

>>Now i will create 4 users and add into role

after creating users again we will go to manage and assign roles here we will add to role and give the permissions .