**Build Creation and Deployment Through Turbatio Tool**

**References:** Adnan

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18.06.1.1-SNAPSHOT\_Partner\_DewDrops

### **Jenkins Build Creation & Gitlab configuration [Editing config-vars.yml and creating tag]**

1. Login to jenkins.zycus.net:7010 [System UID and PWD]
2. Look for 2 things => **DewDrops 18.xx.x.x <YY.MM.Major.Minor>** AND **DewDrops BFF 18.xx.x.x <YY.MM.Major.Minor>**
   1. **If there’s a change at BFF side: -** [Check with development team before creating the build]
      1. Click on **DewDrops BFF 18.xx.x.x** and click on “Build Now”
      2. BFF build will get created [Should get displayed in green colour after successful completion]
      3. Check whether the build is created in Nexus repository <http://192.168.1.215:8081/nexus/content/repositories/npm-private/dewdrops-bff/-> => Change the path as applicable during the time of deployment.
      4. **[# 1]** Now, go to **DewDrops 18.xx.x.x** and click on “Build with Parametres”
      5. **[# 2]** When you click on “Build with Parametres” – It will ask for build version => Give the build version which is given in BFF [Check with Dev team] OR fetch from Gitlab [e.g. 2.0.5]. It may also ask for environment to be deployed so give the environment like “QA”.
      6. Dewdrops build will get created [Should get displayed in green colour after successful completion]
      7. Check whether the build is created in Nexus repository <http://192.168.1.215:8081/nexus/content/repositories/ZycusProductSnapShots/com/zycus/dewdrops/18.05.1.0-SNAPSHOT/> => Change the path as applicable during the time of deployment.
      8. **[# 3]** Go to gitlab: <http://gitlab.zycus.net/root/dewdrops/> . Login with System UID and PWD.
      9. Go to the environment you are deploying [QC, Preprod, RM etc]. Click on environment -config folder e.g., **Rm-config.** Click on config-vars.yml. Edit the **node\_app\_version: X.X.X** as updated above **[# 2].** Commit changes.
      10. **Execute with high care =>** Go to “**Tags”** at the left hand side. Delete the old tag for the environment you are working for. E.g., for QC -> 18.06.1.0-SNAPSHOT\_Qc\_DewDrops **[Don’t delete the tag for any other version that you are not working on].**
      11. Click on **New Tag** button. Provide the name for the new tag. It can be the same that was deleted. E.g., for QC -> 18.06.1.0-SNAPSHOT\_Qc\_DewDrops. (After this run git to consul job: <http://10.95.4.137:8080/job/Git_To_Consul/>

**[# 4]** Go to Jenkins again. Go to Release Job. Click on “Build with Parametres”. Release Job build will get created [Should get displayed in green colour after successful completion]. <http://10.95.4.137:8080/view/Deployment/job/Deployment_process_Partner/> (for partner)

* + 1. Go to Nexus repository: <http://192.168.1.215:8081/nexus/#view-repositories;zycus.products~browsestorage> . Click on “Repositories” under “View/Repositories” at the LHS. Click on zycus.products in the bottom pane at right hand side. Then com -> zycus -> DewDrops. Check whether the build version is available or not. It should be available here.

**IMP Note:** - If there’s NO change at BFF side [Check with development team before creating the build] then perform steps **[# 1] [# 2] & [# 4]** only as mentioned above. **No need** of step **[# 3]**

### **Deployment through Turbatio**

1. Go to Turbatio. <http://turbatio-uat.com> [System UID and PWD]
2. Go to Swarm Admin -> Add a Setup -> Fill all details and submit for Environment, IP, Product, Setup Path and Status. E.g., Environment = Preprod, IP = 192.168.5.221, Product = Dewdrops\_18.05.1.0, Setup Path = /U01/DewDrops, Status = 1
   1. Repeat the same steps for all environments – QC, PREPROD and RM [These names should be in caps].
   2. Also, the product name needs to be uniform at all places i.e. jira, setup path etc.
3. Click on Swarm -> Select Product, Server IP, Application server path and submit. Do it for 2 times for each node.
4. Go to CD Upgrade Scheduler -> Add Schedule -> Add Schedule Name e.g., 18.05.1.0\_Preprod\_01082018 -> Give Schedule Date as tomorrow’s date [Tool doesn’t work if you give today’s date – it’s a bug] -> Add Job -> Paste the same name as updated in Schedule Name -> Add Task -> In the dropdown, select Deploy -> Give Product, Environment Server IP and Application Server Path. [It should auto populate and you should be able to just select it]
   1. In the next dropdown, select Upgrade -> Click on “**Task Script”** button -> In the next page Select ‘Stop’ from the list and click on right arrow button -> Select ‘Deploy’ from the list and click on right arrow button -> Select ‘Start’ from the list and click on right arrow button -> Click on ‘Save Changes’.
   2. Click on “**Roll Back”** button -> In the next page Select ‘Stop’ from the list and click on right arrow button -> Select ‘Rollback’ from the list and click on right arrow button -> Select ‘Start’ from the list and click on right arrow button -> Click on ‘Save Changes’.
   3. Click on “**Start Steps”** button and Click on ‘Save Changes’.
   4. Click on “**Stop Steps”** button and Click on ‘Save Changes’.
   5. Click on “**Submit Job**”
5. Go to Display CD Schedules -> Your schedule should get listed -> In the “Actions” column, click on View Schedule Icon -> Click on “**Run Job**”
   1. Wait for some time until the status is displayed in green colour as **“Completed”**
   2. If there’s any error, open the log file and discuss with team mates / Dev team as applicable.