**Release Process**

*Release Preparation*

*Release Implementation*

Release Preparation

1. We will have to filter issues/stories through current milestone in powerpay-root.
2. Check whether the issues are QA verified or not.
3. If not then there are two chances either we will not process with the release process or if we have time then we need to inform to the developer to get it done.
4. If yes then we need to proceed to next step.
5. List down the applications impacted for current release
6. Like: ge, pe, org, ui.
7. We need to check that all the labels are properly tagged or not.
8. We need to conform by opening the ticket and verifying from there.
9. Check if all participants have raised merge request for showcase and prod-live.
10. Start merging application repositories
11. GE,PE, Reporting, UI, ORG
12. Now we need to compare the merge request from master to develop.
13. We can do so by going to particular service repository and compare,

Source=>master

Target=>develop

And compare

1. There will be only merged commits.
2. If there is any other commits then we need to verify.
3. It should show 0 changed file and 0 addition then we are good to go forward to create merge request.
4. While creating MR there should be 0 changes, Assign name should be mentioned and submit request.
5. After that it will show option to merge. We will have to click on that to merge and the changes .
6. To verify,

We need to go back to particular service repository and compare,

Source=> master

Target=> develop

And compare

It should show there isn’t anything to compare.

1. Now after that we are good to compare what are the changes going from develop to master.
2. We need to go back to particular service repository and compare,

Source=> develop

Target=> master

And compare

It will show the list of changes going from develop to master.

1. And we need to verify that the particular changes is the part of that day release or not
2. If Everything looks then we will have to create release branch.
3. From that particular service we need to create release branch basically from develop.
4. Then we will have to name the branch and create the branch.
5. Now from the release branch we will create merge request.

There we will have to add title.

\*Target branch should be master

Assignee name should be mentioned.

\*\*Should not do any delete or squash.

Then submit the merge request.

We are done with that application.

1. Same thing we will continue for all the services.

Release Implementation

1. Jenkins Build and Deployment
2. <http://192.168.9.15/jenkins/>
3. In Jenkins we will have to check for which environment build and deployment is going to take place.
4. Select the environment:
5. Here :

Dev => Integration

QA & New => QuailtyAssurance

In this it build in common and after that it triggers QA & New.

Showcase => Staging

Prod-Live & Prod-HA => Production

In this it build in common and after that it triggers

Prod-Live & Prod-HA.

1. After that we need to get correct picture that which service is going to be Build & Deployed.
2. Select that particular service (application) and select on build now.
3. After this our build process has been started and it is automated that after build it will trigger for deployment.
4. Try to do organization-service build & deployment at last because it creates circuit breaker problem.
5. In Jenkins Build might show failure due to timeout as scripted in ansible.
6. So, Better practise is to check the respective log.
7. Similarly continue for the other services.
8. Need to inform QA team to check .