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Protocol status: In development
We are still developing and optimizing this protocol

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PROTOCOL integer ID: 77276

Change Release Protocol

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[1]generic-release-guide

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ABSTRACT

This is a set of protocols for releasing the changes or new feature to staging and production. This in being introduced so as the developer does not skip any critical step required during the whole release process. Any critical step if is missed could lead to incidents in production environment.

Merge checklist Staging

1 Merge checklist Staging

1.1 Regen pb.go from shared-proto master branch

1.2 Create Gitlab PR for config change on Staging

1.3 Merge Gitlab PR for Staging

1.4 Run Migration Scripts if any on Staging

1.5 Test in local

1.6 Test in feature env: <name of the feature environment>

1.7 Test Party

Merge checklist Production

2 Merge checklist Production

2.1 Run Migration Scripts if any on Production

2.2 Create Gitlab PR for config change on Staging

2.3 Merge Gitlab PR for Staging

2.4 Merge shared-proto change (if applicable)

Starting the Jenkins Pipeline

3 Starting the Jenkins Pipeline. **Cutoff 3pm** unless absolutely necessary/hot-fix

3.1 Announce on #backend-release channel

3.2 Check the result of QA test suite run on #qa-backend-releases slack channel

Expected result

Zero Test Case Failures

3.3 If any failures then check with the QA engineers

3.4 Get a go ahead from QA engineers to proceed in case of failures

3.5 Make sure config changes done

3.6 Make sure migration done if required

3.7 Proceed to Canary

Validate Changes on Canary

4 Validate Changes on Canary

4.1 Check logs on Canary Server

```
cat /tmp/carousell-stdout.log|grep -o -E -i ".*panic.*"|wc -l
```

4.2 Check for errors related to your grpc method

```
tail -100f /tmp/carousell-stdout.log|grep -E -i "\"method\":\".*
<your_grpc_method_name>.*
```

4.3 Verify Changes on Canary if possible using port-forwarding

4.4 Check Grafana Dashboards for Hystrix and GRPC for error rates on New Canary pod

4.5 Wait for another 1 hour at least for baking the changes in Canary [Mandatory]

00:00:00 Bake the Changes in Canary

4.6 Check Grafana Dashboards for Hystrix and GRPC for error rates on New Canary Pod

4.7 If all good, proceed for all server roll-out

4.8 Verify Changes by completing the whole new flow on app/web to see all good with new feature/ old feature

4.9 Attach Screenshots from test on production

4.10 Update the PR Template