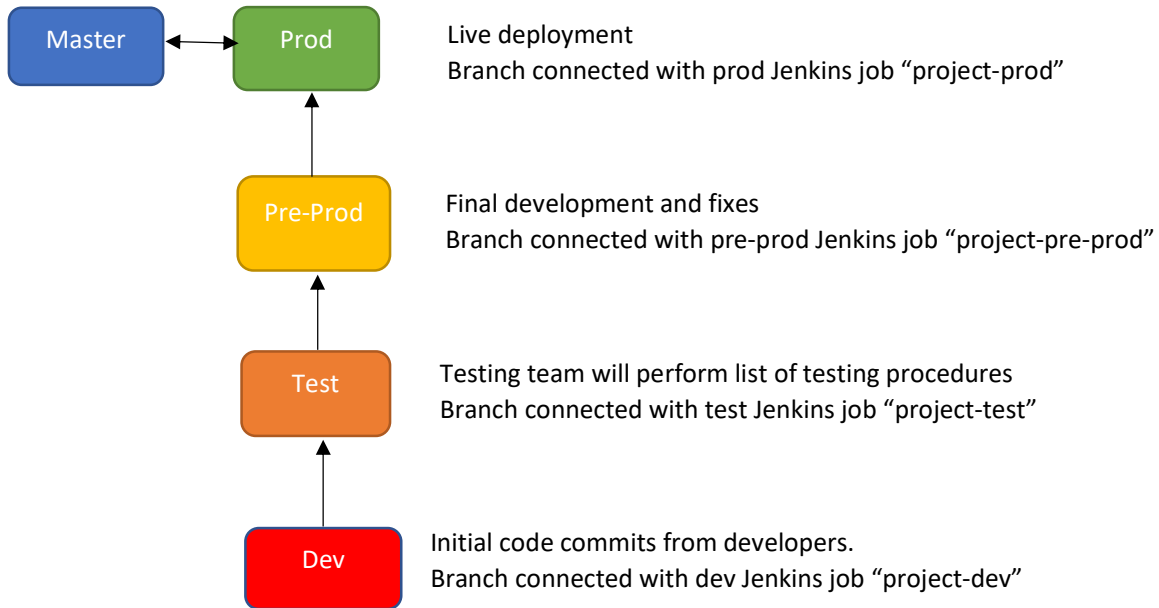


BT- SORCH PROJECT GUIDE

SCM Details:

We're using GITlab to manage and maintain webapp codes using below strategy.

<https://github.com/>



- Master is responsible to maintain the production codes as a backup. Both master/prod branches protected from all, only admin users can perform push/merge actions.
- You must validate and merge the codes from pre-prod to production branch, 24 hours prior to live deployment.

Jenkins:

Below maven jobs used for continuous integration/ deployment. Each job connected with appropriate branches and the artifacts will be uploaded to nexus repo then the copy will deploy to appropriate servers (deployed using tomcat manager)

Dev : <http://10.31.193.74:8080/jenkins/job/project-dev/>

Test : <http://10.31.193.74:8080/jenkins/job/project-test/>

Pre-prod : <http://10.31.193.74:8080/jenkins/job/project-pre-prod/>

Prod : <http://10.31.193.74:8080/jenkins/job/project-prod/>

Poll SCM is set to every minute for all jobs except production where we have to manually evaluate then trigger the job.

Tomcat Details:

- URL = <http://IP> (or) hostname:9090/manager/html
- Path = /opt/tomcat/apache-tomcat-10.0.22/
- Webapps = /opt/tomcat/apache-tomcat-10.0.22/webapps/
- Uname /Password = admin/admin

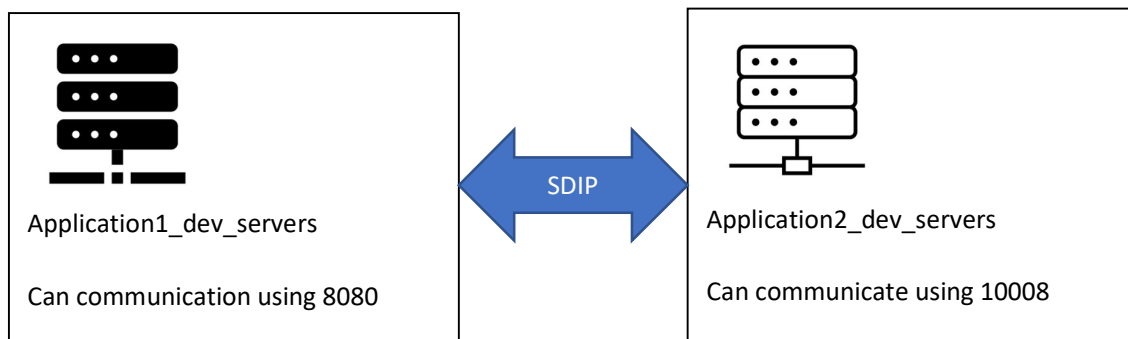
Handling Application:

Application consist of 8 micro components as follows:

- RSSync – For file synchronization between cluster servers
- RSSearch – ELS - To query the required information.
- RSView – webapp UI
- RSControl – To control the operations of resolve product
- RSRemote – To communication b/w Interconnected components
- RSConsole – To deploy patch & fixes
- RSmgmt – To manage the resolve services
- RSMQ – Messaging system

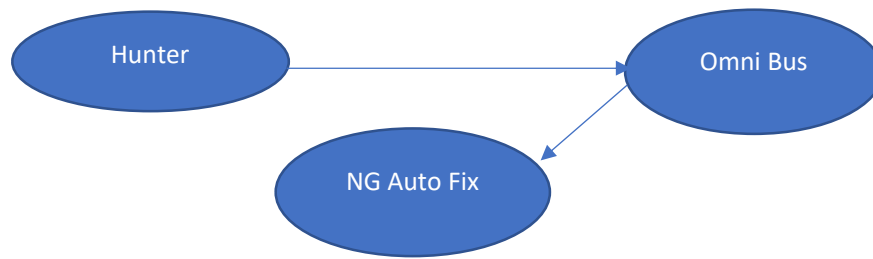
Service Path	Parameter to start	Parameter to stop	Parameter to restart
/home/resolve/rssync/bin/rssync	Run	Stop	Restart
/home/resolve/rssearch/bin/rssearch	Run	Stop	Restart
/home/resolve/rsview/bin/rsview	Run	Stop	Restart
/home/resolve/rscontrol/bin/rscontrol	Run	Stop	Restart
/home/resolve/rsremote/bin/rsremote	Run	Stop	Restart
/home/resolve/rsconsole/bin/rsconsole	Run	Stop	Restart
/home/resolve/rsmgmt/bin/rsmgmt	Run	Stop	Restart
/home/resolve/rsmq/bin/rsmq	Run	Stop	Restart

SDIP – Secure Domain Interconnect Protocol



- SDIP is used to define the port connectivity between multiple components.
- You have to submit the SDIP request to SDIP team review.
- SDIP can be submitted using alias (alias is a group of servers) and in/out bound ports.

System Monitoring & alerting



Hunter

- Where we can set up traps for OS/Application failures and errors.
- Using expressions on log files we can trigger the alerts and prioritize the same.

Omni Bus

- We used omni bus to manage and redirect the alerts to specific team queue.

NG AUTO Fix

- Ticketing tool used to report the incidents.