**Deploymnet Flow (46 Note)**

**JIRA/Service now:-**

**---------------------------**

**project code, app code, version**

**test results attachement**

**scanning results attachement**

**DEV, SIT, UAT --> success**

**jenkins build URLS also here**

**JIRA ID**

**CR number**

**Change management process**

**---------------------------**

**we will raise a CR --> every organisation will have their own tool to manage CR.**

**project code, application code, version, JIRA ID, approvals, date and time, deployment process, revert back process, post deployment testing.**

**NEW --> CR ID**

**Approve --> write some comments**

**Delivery manager --> write some comments and approve**

**Cleint --> approve**

**JIRA --> Jenkins integration**

**trigger PROD --> JIRA will check CR is approved or not, prod trigger time is same as time in CR.**

**Jenkins pipeline**

**DEV and PROD infra**

**DEV will do a change in source code, a pipeline will automatically trigger to deploy the application into DEV..**

**then we will deploy into PROD**

**functional testing**

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**microservices**

**1 microservice is handled by 1 person --> Developers are writing functional test cases**

**Once DEV deployment is over, either developer/tester have to provide the scripts and command to perform functional testing,**

**47 Note**

**1. make sure dev and prod infra is ready. get the vpn connected**

**2. catalogue**

**create catalogue repo**

**create jenkinsfile**

**point this jenkinsfile to shared libraries. make sure you have shared libraries configured in jenkins system configuration**

**shared library VM pipeline will be called**

**clone**

**get the version from package.json**

**install dependencies**

**unit tests**

**build**

**scans**

**sonar**

**sast**

**open source libraries scans**

**dast**

**if developer opts for deploy we can deploy**

**catalogue-deploy, it is calling terraform-roboshop-app**

**bootstrap script, we are passing environment, version and component**

**bootstrap script will clone roboshop-ansible-roles-tf and run catalogue role**

**As a DevOps team, we have Nodejs CICD ready... a new project user module is started. How can you setup CICD for it?**

**1. if a new project is started, they should have a repo exist in nexus..**