16-Apr Notes

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Sprints and user stories for each module or feature, create feature branches

Then merge it to the release branch

Bugs can be moved to next sprint or sprintbacklog

For the bug you can create a branch and merge it.

Release Branch -> Production ->Merged to the master

Production Bug -> Hotfix branch ( cut from master ) , work on it , merge it back to Release branch

Master

=> create a breakfix branch, commit , push it to the prod

-> merge it to Release branch

Recovery -> Code base goes into prod . You find there is a major outage

Mechanism/process to revert to previous version.

Dependencies - Database , Software upgrades , Java upgraded , OS

Created a table in version1 -> Millions of data

Version2 codebase- > Modified table structure a additional column(null)

Revert due to huge outage . Column to be removed, But data should not be lost.

Commit on Git

Maven do the build

Unit test cases on java

Code quality -> Sonarqube

Docker,kubernetes -> containers

Configuration -> ansible

Infra as code -> Terraform

Deployment -> Kubernetes , deploy tool

Jenkins also helps to communicate various cloud based, aws,azure,gcp

Continuous Build -> identifies a commit and builds + unit test cases.

Continuous Integrations -> code Quality, Pushes into DB/UAT ENV , Automated test cases