DEV-OPS

The DevOps infinity loop showing the Dev side (Plan, Code, Build, Test) and the Ops side (Release, Deploy, Operate, Monitor).

Tools mapped to each DevOps stage:
- Code: Confluence, JIRA, git
- Plan
- Build: maven, slt
- Test: Se, Junit, Jenkins, Codeship
- Release
- Deploy: DCloS, docker, aws
- Operate: CHEF, ANSIBLE, kubernetes
- Monitor: Nagios, Splunk, DATADOG
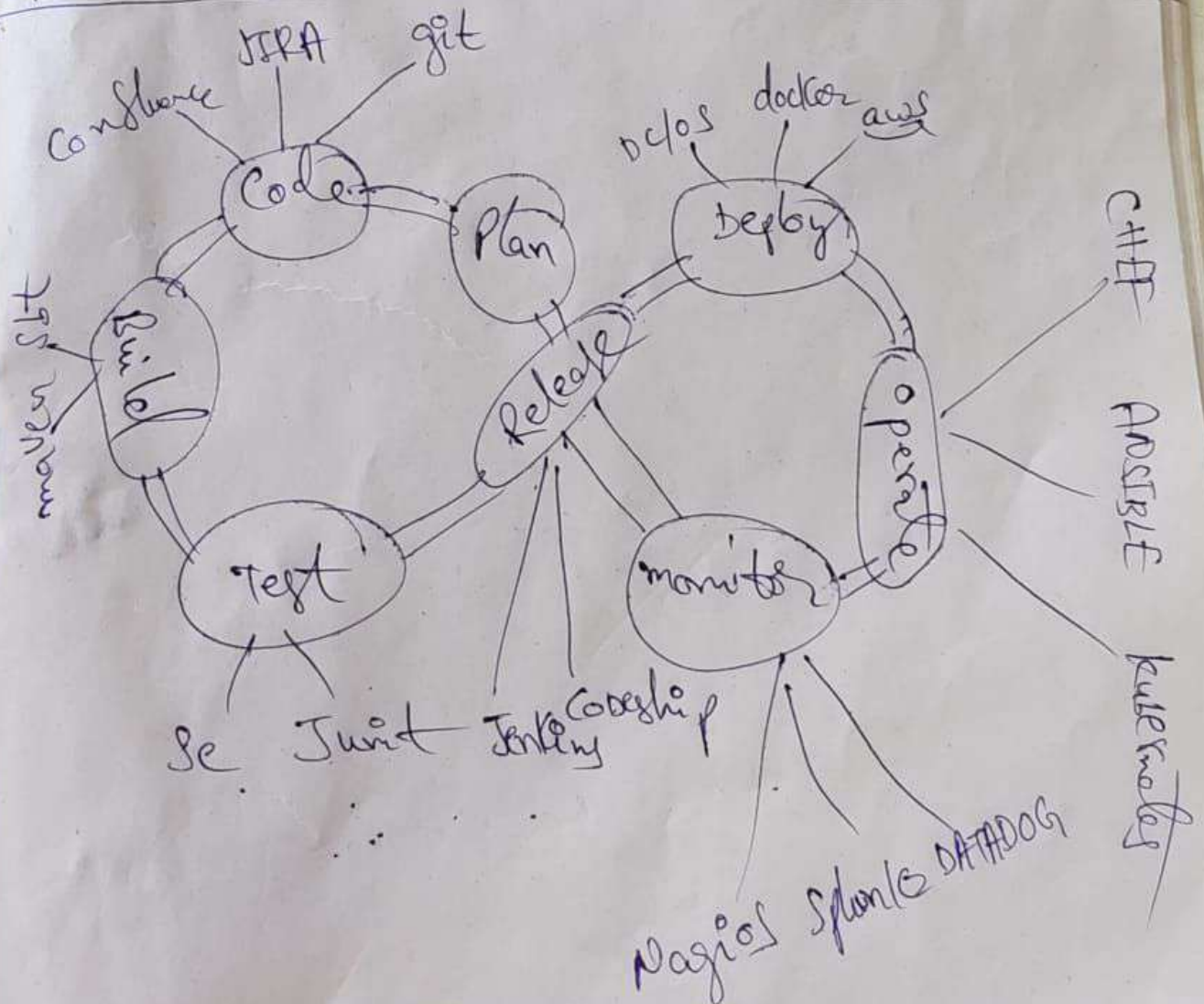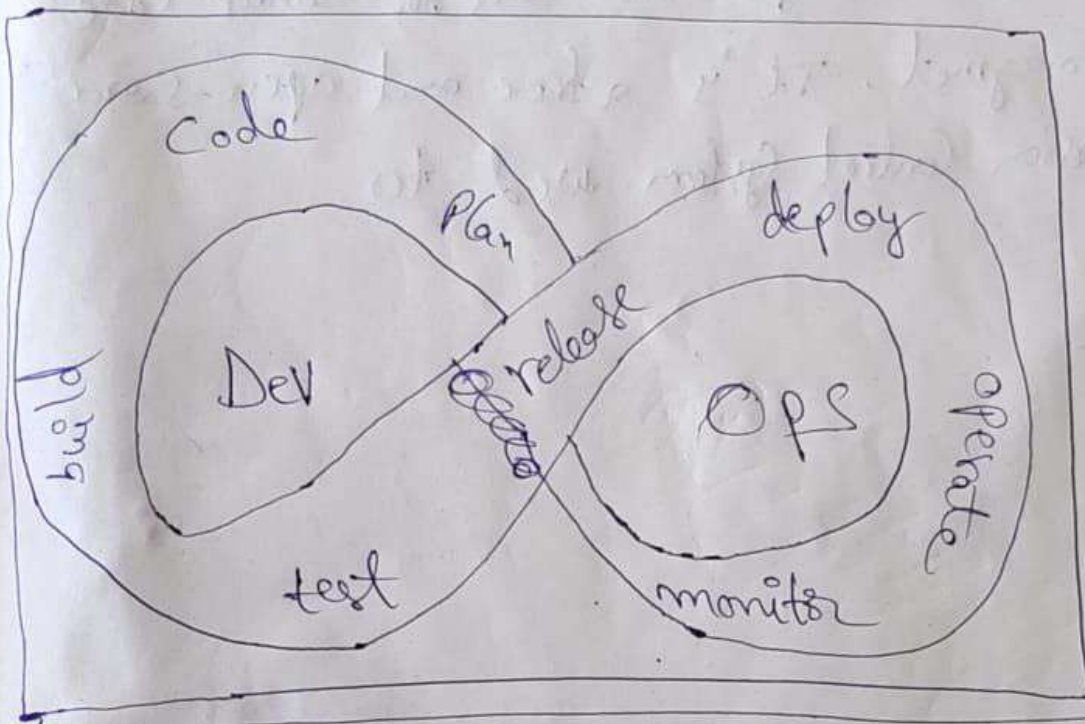
GIT

DeV Ops

hard disk —— git (local repository) — github (central Repository)

1) git config - user.name, user.email

2) git init - intializes the repository.

3) git add - Adds a file to local repository

4) git commit - Makes the added file permanent in the local repository

5) git log - gives the log of operations done on local repository.

6) git status - gives info on untracked files, staged files.

7) git clone - Crafts a folder from github into local drive.

8) git diff - Compares the file for changes done from hard disk and the local repository.

9) git branch - Display all the branches of the repo and also shows on which branch git is pointing to.

10) git checkout - moves to the specified branch

11) git merge - Merges back to the master repository

12) git remote add - Adds remote url to the local repository

13) git pull - gets the files to the local repository

14) git push - sends / pushes the file to the Central repository

15) git tag - provides a version number for the current files in the local repository.

16) git checkout - Moves the Control to the Specified version on the branch (master).

git help

clone - clone a repository into a new directory

init - create an empty Git repository or reinitialize an existing one.

add - Add file contents to the index

mv - Move or rename a file, a directory, or a symlink.

restore - Restore working tree files.

rm - Remove files from the working tree and from the index.

bisect - Use binary search to find the commit that introduced a bug

diff - show changes b/w commits, commit and working tree, etc.

grep - print lines matching a pattern

log - show commit logs

show - show various types of objects

status - show the working tree status

branch - List, create or delete branches

commit - record changes to the repository

merge - Join two or more development histories together

rebase - Reapply Commits on top of another base tip

rsd - Reset Current HEAD to the specified state

switch - switch branches

tag - create, list, delete or verify a tag object signed with GPG.

fetch - Download objects and refs from another repository.

pull - Fetch from and integrate with another repository or a local branch.

push - Update remote refs along with associated objects.