denkins

usually when all the * · Without CI: 1. Introduction to jentins 2. Installation developers commits the code to nep, 3. Anchetecture at the end of the QA collects. 4. Master and slave conf -> Integrate all the code and start testing 5. wt 28 job If any bugs found they we to wast up to 5 coreating jobs 7 sheduling jobs next day morning to neport to developer. labels or whenever dev commits, gustantly it continuous Integration entegrate the changes and test curify 10. Maven goroject It - is minites to neport to dependencys * Benefits of CI: 12- Continuous Deploymen @ ammediate bug deduction Email Notifications @ Hirimal work flow creating wers @ we can deploy at any point of time @ necond the build history for tracking 15. Creating noles 16. Blue occean 17 - Cathight Notifier

* why jenkins:

-> genkins has thousands of plugins which 98 used to connect to other tools also

-> jenkins is a forame work

genkins Acts as cron server suplacement.

* Anchetecture

2 hrs each to build, only we he 7 hrs to build -> lo projects, that time we use node

* Configurations:-

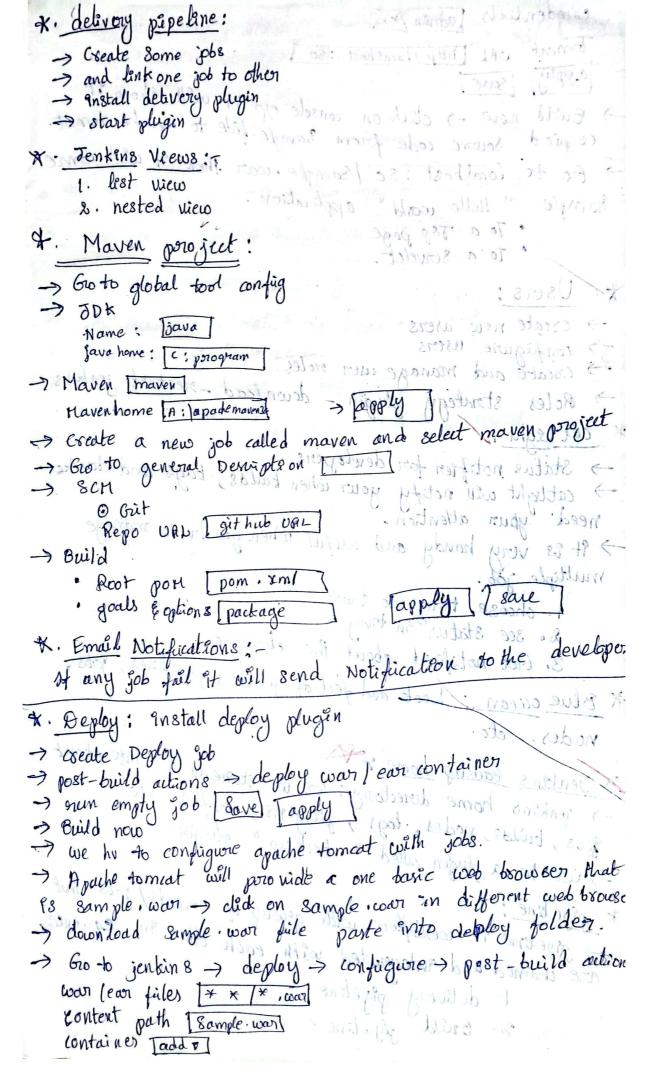
Global Tool configuration

gob confaguration

Node confuguration -> # jenkins 98 chent and server architecture, but no need to gnotall jenkins on toth sides, only one If jobs are sunning in one server, all of Sudde then the gobs en that server will not som. it went down overcome this, in jerkins by graciping the sorver and label them with a name and arright jobs.

X. continuos entegration -> depops guy 98 responsible to perform a CI 1. Poll Scm 2. Integrating the changes 3. build 3. build -> we need to entegrate github with jenking, to maintain the siepo wt ever charges done by the developer we need to entegrate with orepo by using poll 8cm. 600 to gen 1 -> configure -> SCH 9 o but > Go to get hut take one repo, we have to clone that stepourl, and give of to the source code management -> Gut -> Repository URL: [http:// github.com/uma.git) -> add credentials github username /pwd -> Gro to Build tougger, click on wall SCM. I poll sum shedule [* * * * * > wt is poll sim: It will mun as sheduled and go to get hub nepo and theek whether the new changes happen or not in gethub.

Buitd persodically: It will own as we sheduled. -) Gro to Build Envisionment I add time stomp to the console output. * . Sche dilling 1. on demand (Build Now) 2. time based (Build periodically) 3. poll based (poll 8cm) ox. Dependences: -> (post build) -> up stream: before it proceeds to execute a job, it will check for dependences gob and execute. -) downstoneam; Once we complete the gob at the end it all another job.



conedentials [odmin /xx] lomeat URL http://ocalhost:80 apply sono -> Build now -> click on console op 9+ will show 32 co pied source code forom sample file to apache tomat. -> 60 to loalhost: 80 / Sample. war then it will come Sample "Hello world" application. · To a TSP page * to a servelet. * Users: -> exeate new users -> configure users -> create and manage wer notes. Roles strategy plugin - download -restart jenkins * cat light: -> Status notifier for developers -> catight will notify your when builds, bugs and tasks need your attention. -> 9+ 9s very handy and weful when you ho to manage multiple job 1. choose things to track & * see status in thay 3. Get notified about the changes * Blue occean; Look and feel of genkins pipelines, gobs, nodes ... etc. * Jenkins Backup home: ~ -> zenkins home directory: we we storneal the into about gobs, builds, nodes, logs, plugins, config...etc. -> we his a glugan called " back up " plugin. * pipeline: -> papetine 98 workflow with group of events) gobs that are chained and integrated with each other in sequence. 1. delivory pipeline.

> Enstall delevery pepeline plugen.

> create delivery gob and give a unitial gob der * How to mitall genting on the Apache Tomat Server 1. Go to the official tomest website [https://tomat.apach.oxg 2. In decembrades select aformant version. 3. choose windows 64 bit copy the downloaded zip file to the your boal fold 5. go to the subfolder bin and chek on starling and unzig at. 6. Borowse to the https://Bocalhart:8080 to lounch tomats 7. Installing jenking 8. download jenting, was file to the and copy to the subfolder webapps in the tomat installation 9. Go to the und https: Il local host: 8080 /jentin to launch the yentin page