apache deploying location: - War I www htm) tomcat deploying Location: webapps - Service tomcatstant ·M2 is me maven Local Repo. Service nemus status : Nemus Jenkins configuration pls: - cd/etc/systonfig/ cat later passond to see users Marin dependency are under Pomonm! pile (Jun) Nodejs dependency are under package. j'son cd letc/ sysconfig. Jenkms = 8080. Sonargube = 9000. News = 8081 Tomat = 8080 -Apache = 80 in prasmuline Ansible was management too! Terraporm (1 te) Imprasture as a Tool.

AWS instance creation: 02/02/22

→ EC2 - Elastic cloud compute (Depontruser)

- * instale creation is a '7' step Process
 - 1) Chaose om Amazon Machine Image (AMI)
 - ii) choose om instance Type
 - (iii) iv) v) vi) vii) deave as Alegant.
- * Select om misting (or) create a new 'key Pair';
 - i) create a new key pair (or) if enisting select that one.
 - "ii) key Pom type.
 - ORSA OED25519
 - (ii) key pan Name.

en: - vamshi-devops.

-> Dononload key Pair

=> Launch instance.

J View instance.

my why Court makerick

Putty and Putty gen:-

Putty gen & download

Putty gen? - (.PPK file is needed)

{ x so, to convert . Pem to .PPK

we use putty * y

And go to download

Change to All files.

Select. Pem file

Save private key.

file name: - sn: - Vamshi-deveops.

Vannshi-deveops PPK pile is present in windows.

* To connect

Putty :-

Host Name (IP address).

(Paste) IR4 public 19.

用SSH

AUTH.

Browse (select the .PPK)

open

(Default user). lagmas: ecz-usot. CNO PPK ple is needed) GIT BASH: (cd - change directory) + ed Donyloads/ * Pasta (Path). * Yes (root usor) (ec2-user). I who connected to Machine y * Sudo -i *T) whoam i (Present working directory). *2) PW4 3) Is CIS-list) (To see content in particular olive (To see Midden content). y) 18 -a CTO See ig it is a file cor) directory). 5) 1s -1 -a (TO seek help of commands) 6) Mam 18 (I FAITHY to create files). 7) touch hello. tat 8) 15 (long list). 9) 18-1 (To read the content of fiel). 10) cout (file name) (echo to display a message). 11) echo "Hello All" (vi Editor to place content in files) 12) vi (file name) (Ry present it will open looking the file is not present it will create a

i) Press I -> mosert. -> Escape -(to save). ii); way. iii): q! (to suit without saving) (iv) yy (copy content). v) P (parte). vi) Number 44 (multiple copy of record). vii) dd c delete data). Viii):/word (find) ix) : %. 8/ (find & replace). en:- : % s/mis/mat. 13) MKdir (name) (TO create directory). 14) cd (norme/) (TO go to the directory). cd derops:/ LTO create Sub-directory prist Go to the pass parsent clive and men with at a git! command mixer create another directory).

Prod port! the Switch to the Sub-directory).

dueops/git! the Switch to the Sub-directory). (To stwitch one-Level back). 16) cd devops/git/ (70 Switch directly to the directory wanted (parent/child)). Forward

(TO go back particular Level). cd .. /. . (will take to the home level). cd C copy content b/w do cations). cp (source) (destination) _ en: - cp jenkins deveops/ 18) (Vild Card Character # = al) 19) ep -r (source) (destination) (votenseur dealing with directories use -γ° recursère). 20) Mr (source) (destination) (cut parte & renorme the content). Lan: MV to ansible (cut part) to rename go to the directory than My hi hish Deleting content; To remove files 21) rm (file name) 22) rm *.tat (To remove smpty directories). 23) rmdir CTO remov directories 24) rm -r -f (directory)
name)
rm -rf (directory name). with content).

Find something on finers: 25) find (Location) -type (file/dir name) -name (file/dir i) find. - type + - norme (file norme). Lis searching for file). in) Amd / - type & - nome *. log. iii) sudo find 1-type + -name *.log (* snive. system). (Sudo-Super system).

(Sudo-Super privilage). = + "if access densied issue than snoto privilage. = 26) And . - type of - empty (To clean impty files).
= 27) And . - type of Chirectory (To find directories). user norme. Group user group description home shell.

pars. id id id location location

ecz-user X: 1000: 1000: Ecz /homefecz /bin/bus

depault user Thomefece 16m/bass = 28) grep (word) (pile). (find a word on a file (00) Group of files). (To find mact ple). = 29) grup -w (word) (pile) Cignose case sensivity) = 30) grep -w -i (word) (gike) (1 at starting positions 31) grep 1 (word) Cple).

32) sed 's/word/replace / filename (stream iditor) (And and replace word for file) en: - sed 's/shutdown/boreak down/ parsod. (only just word). 3) sed's/word/replace/'file name Call words)-97) sed 's/word/replace/g' pile rome (Particular place of wood) (iii) sed 's/word/replace/2' file name (place grownber).

(iv) Sed -n 1,5p plename (prul particular records prom file).

81:- Sed -n 1,5p passed. V) sed mumbered phename (To delete particular records from file).

81: Sed 1-5d passod. mis changes are not present on me-actual file. sn', sed 18/8mut clown / boreak down /g' Passwd > parswd'

sed 18/8mut clown / boreak down /g' Passwd > parswd'

and So create jule using '> write on passoud! copy and me past this using 'cp' command.

The passud! passud! passud!

Cfor directly applying vi) sed -i the changes). m: sed i's (games) james /g' passad. -> Sudo find /-type f-smpty 33) Crontab to find imply files of Systems (Automati omy task). (Mis is schedual job) (TO see any Present crontab). ii) crontab =L iii) Est's- (TO clean up). -type of -empty. 1) Sudo find. -type of -empty | xargs rm. 2) Sudo pmd. (")" for multiple commands Pipe symbol). Day of week (0,7) or Sunday Month of Year (1-2) or JanDay of Month (1-31).

How (0-23)Minute (0-59). command = /path/to/script.sh.

Mm Example:-Every min 9 Every day 9:30Am 30 * (M-f) or (1-5 23 M-f Every day 11.30pm 9-18 9AM to 6 PM * 10Am pret quarter 4PM Alternate 18t Jan only @ monthly (crontab Editor) m) coontab * * * find / home/ecz-user -type of -smpty | xargs rm (to remove all (rontab). if we want to remove a particular. crontab men open Editor crontab-e and me V) Crow delete using de delete option.

** connecting:	07/02/22	
windows	utty	lim un.
laptop	- bash	Remote Server.
	user name password SSH	linur.
* create another 1) use some ke	in stomce.	Jomshi-deveops.
linux. Remote. S connect Remote		as linux server.
connecting to . Two ways:	one machine	to amother;
? wer name		or his siving (
sst	of restort	
	men with pure	my fine or
		Busing While

11 Username & oldway :-→ C103) (Server) = Password Csystem related files one cd | exc | under letc/ polder). 18. cd ssh. Pwd Now, we jill find sshd_conjig. C to update properties) sudo vi sshd-config Password Anthention no. -> insert mode (# to commento Add # at P.A no and m P.A. remove # out P. A Yes. 34) service sshd restort -> (failed). Sudo service sshd restart 35) To setup paysword for user sudo passod ecz-user Password: admin

> (101) (server) € SSh ecz-user @ 1P.4 address. YUS Password: admin. remember Steps to rumbelber:

i) On the remote. letc/ssh. sshd-config. Password Authention Yes.

- 11) Service sshd restart.
- (ii) Setup the Password for the user whom we want to connect.

Ei, S. S. H Mechanism: - (New way)
(101) Server.
i) user.
2) Prívati key
3) Prublic key. 36) Sudo (useradd) cusernome) (To creat user)
36) Sudo (useradd) Cusername)
37) par lette / Parsod (To see who is the way)
sudo (useradd) (username).
38) Su (wername). 38) Paysword: (control c)
Set up Password 2 me
39) Sudo Passud Cuser name). (Passual commond)
New pars:
Retype Pars:
su (username).
han !
Switched to user &
Pwd whoami

cd pwd whoami wer changed ← Private & Public Key (To create Parsusond 40) SSh-Keygen. for any user). Enter. Enter. enter. 18 -a. . ssh created cd-881. Private and public key are created & cent id_YSa cat id-rsa. pub CSSH-copy-id) Remote Server: -(135). cat / Etc/ Passwd. sudo (useradd) (username).

Sudo passod (asername).	
N Pays:	
R Paus:	
Sudo vi /std/ssh/sshd_config.	
7 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	
-) insert (i)	
Add # to A.P No.	
Remove # to P.A Yes.	
a cold yestant.	19143
	. 197141
* CXM) Server *	
Su (username).	
Paysword:	
cd	
* (101) Server *	
* (101) SOI VOL 1	(135).
SSh-copy-id (username) @ I.P address of	
Yes.	
Paus word:	
> connected <	
> Connected E	

* (135) Server * 1s -a -> . ssh file created & cd.88/ 15. authorited_keys treated. cat authorized_keys. (Public key). * (101) Server * 8Sh (weiname) @ I.P of 135. connected epot best real ma dispose

Marin Principal

ipsel Lazindania Ta

Momual way: (204) Server cat letc / Passod. sudo useradd (username). NP:-RP:-Su (wername). Pwo cdPwd Mkdir ossh. 18 - 01 -s .ssh oscated. ed ossl. touch authorized-keys. → authorited-keys created ← Vi authorized_keys (copy SSh-rsa) from server (work) Cout . ssh lid-rsa. pub Parti the key in (2011). cat authorized-keys.

ter i de la		
18 -1 - 8		
-> Permission 8 E		
	Carston-19	
Enample :-		
	- 0215 VA	
owner group	others.	y-user
YW	(20000 mg	0 - other
- (Read) - 4		a-all
- (write) -2		
· · · · · · · ·	100	er control
	and (204)	have the.
Cr)cole 1)		
Same Permissions.	not all	
u) Chmod 600 authorized_k	eys.	opus
(u) Chimod 600 authornal	Chmod & WE	(file name)
18-1	Chmod & 100	
18-1		400
85h (user namme) @ 1P add	lress.	1791 - 607.
3	1	e -la:
check the . ssh permissi	ions with	500
check the sain for		
Yes		
connected		
2	ame @ I.P:/home/u	usunome.
Connected SCP (content) usun	Mile	

GIT	9/02/22
installations; - (Cen	nt 08)
Check Git Version.	
13) git Version	
14) Yum install git.	
8u (user name).	
ed	b = (posa) -
Pwd	E = (Miros) -
who ami	_ (Energie) _ l
Α .	Clock of the Soni
-> not metalled t	Ermi Termisters
Sudo Yum install git	11) throat 600 du
NotGit mostalled {	f Local user y. (not mostalled
5noit	since not a sudoures)
ecz-wer	3000 (1551) 455
ecz-user.	
Sudo Yum install git	{ ecz-user).
-> Git moralled e	
Sometime I would be a first to the	The set flower

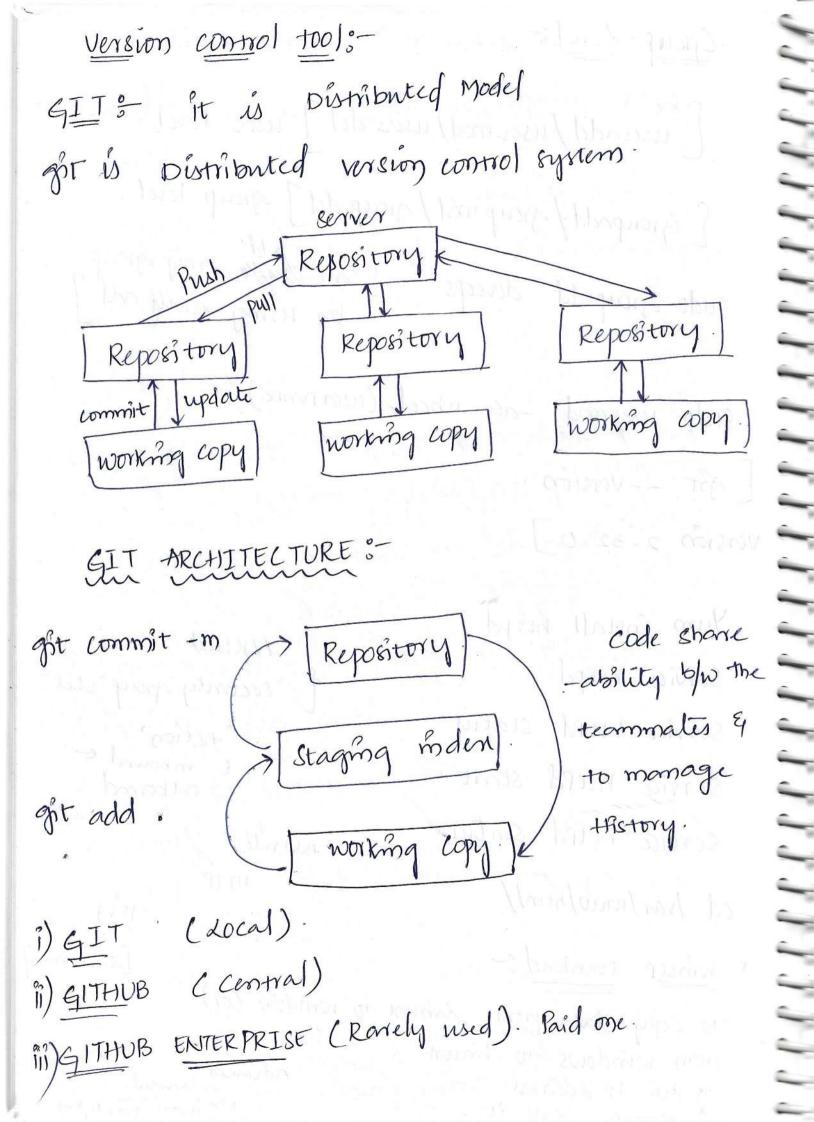
To provide admin privilages to users:
i, user level ii, Group level
cd/etc/ 200 analysis/ sold and boundary
→ sudoers file is present €
sudo Vi sudoers.
cat group -> ecz-user is a part of Group(wheel) 80, is able to perform activities.
O, Give access to user := (user Level).
Sudo Vi Sudoers. (Not voorking)
Sudo -i 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Prod
Vi /Etc/ Sudoers.
.) C copy using commands yy to copy and then.
parte 'p' root All=All all and parte.
and give (username)
- not working

-> cheek Permission <	10
18-1 letc/ Endoers: Cfile is having only Read permission i.e (rr)	
a horm channol 640 letc/sudoers (i.e., rw-r)	
18-1 letc/sudoers	-
Vi letc/sudoers. The copying root All-(All) All and parte by Username All-(All) All Hence the permission are changed in the sudoers. The sudoers. Now, return to the first permissions.	
Chmod 440 letc/sudpers.	_
1s -1 letc/sndoers	
pwd: who am? Permission accessed).	

Group Level; [useradd/usermod/userdel] user level. [Gronpadd / group mod / group del] group level. sudo groupadd deveops [cam dreate army group add] sudo usermod -ag wheel (username). l got -- Versión. Versión 2.32.0. SALT PECANTER LINE Yum install httpd somewek Service httpd. 9 "Security group" click. Service httpd status E in bound €

E outbound Service httpd storrt service httpd status Add rule: ed /var/www/htm// 1PV4 [save rules] + winscp Dononload: To copy data from dissure to window (or) MOR DUTTER from windows to himum. * Pick IP address SSH AUTH Private kuy

winsup paste it



Sudo -i groot user y. whoami Yum install git 15) git -- versión. mkdir git-repo. -> cd oft-sepol. ___ (to convert to repo) <-pwd. to install git mit 18 12 when aft instalised it created a hidden. pwd. directory called ogit/ 1s -a cd .gft/ 15 cd .. 46) gôt Status 1 Kt. Symple . (Xt touch sample.tat. |s -a. cd git/

(to know the status). git status). 47) git add. (· current Location). ts .gft/ -> (Index staging arrea) cat git/index. git status git branch. because no commit is made). -> (No branch " created sample.tat" 48) gft commit -m 49) git branch. ___ C Master bromch is created). get status. git tretel vi sample tut -> Added some tent t. afit add. git status afit commit -m " tree lines added"

CTO see commit id's and all the commit thistory) git config -- global user, name "user name" get config --global user-email "user email" Vi sample talt - Add tent 4 got commit -am "message". git add. git commit -m "massage git status git log.

GIT HUB: Working with GITHUB. Github.com -> Sign up. -> required details. create a repository. Owner / Repository gitulo-repo. -> centra lized repository. Created a repo. -> Now take centralized repo data to Local repo. Go to account. open me repo. éen: gstub-repoje. (copy me path). HTTPS Process →Local work station € 51) Sudo -i Copy the path from 51) ont clone (path). Git Hub). cd git-repol (Local repo).

Cit we get any path 52) got remote -V then it is a central repo). cd ... MA-MIS ed gitub-repol Cit we check again we can + git remote-v See a path, Honce it's a central repo) whole path we can take. =) instead reffering the origin. (Default). (placing some cade) tach login-java nt status git add. git commit -m "lagin file oreated" apt branch (Branch main is created * mam on GITHUB it is 'marin' on Local (Git) it is 'master') CHISTON is created). git log git status (to poush changes from Local to Remote (Contral). 53) git prush

user name:- } (git GITHUB account
Pars word: details.).
-> Access denied - Pass-Ath is remove.
so, use token from GITHUB.
go to Githmb.
Settings.
* Developer setting.
Personal access tokens. > Generate new token.
#Note Offmb-token.
Confer Contra
Expration.
go days.
* Generate the token.
copy the token otherwise By we loose the
token we have regenerate the tokens.
90 to local:
user norme: GITHUB user norme
Password: Token.
git log.

go To Github :- check the github. Everthing is updated · (Bromch). (To confirm both docal and git pull central are in sync).
or to syncranize). (Add comment). vi login-java -> (non cat login. Java git add.
git commit -m "message" git add. git log. cat login. java git push The David Will Interior of the State wer name: password: Token.

54) git pull = Fetch + merge.

88++ Mechanism: (GITHUB) m SSH :- NO username:-(i.e.-Token) and No password: 884: - connecting to remote server securely. The process is on the control machine you need a user and for user you have to generali Public and private key and on the Remoti mach to the user you have to copy the public key. On the remote side if you have the public key. of user you can take me private key men Straight porward with private key we can connect. cd. Coseate a Private & poublic) 88h-key Enter Enter Enter cd.sshl (cospy this public key & parte in Gitthub app) cat id-rsa.pub

key from Github account To copy the public Gittho settings. * BSH and GPG Keys. (create) - New SSH key. En: YOOT-Key. mkair ssh. cd ssh/ (SSH Coption) copy the git clone (paste) path) cd oftub-supo/ git remote -v. touch readme tat. git status ont add. git commit -m "readme pile added" git push. git log.

touch mytack. tyt. (Add (or) Edit comment). Vi my tack. talt git status. (Will Papore the content). 55) touch git ignore. 15 18 -a vi aftignore -> Cadd file for which content you want to ignore). git status git add. git commit -m "message" git Push. 56) git diff (compare the changes Chow branches, commits, Local and remote). 57). Ps -ef (what are the services are running Ps -ep | grep httpd (to know a panticular service running cor) not. Ps - ex | grep (service home) 58) netstat -nltp (network ports running).