Surion - 2 | xouros / MV 1)010 11/02/25 Lincit AWS account creation vishnuvardhan sagi 1933@gmail.com AWS free tier limits -1 year free Every month: 750 hrs Session = 3 NILA DD - OFZING B 2'092 BM What is server A server is a powerful computer designed to procus, store and manage data for other devices (or) applications.

Server can host websites, run application server can operate on-premises & cloud == > network / racks group of racks -> data center server -> physical server's are tangible machines located in datacenters l'offices. They require cooling, they offer cleitricity, maintenance, space they offer full control, scaling upgrading which is time consuming and costly. -> Cloud servers are VM's hoted ain not internet Eliminating physical which means no maintenance They are cost-effective & Early to Scale of the star broad horse

Steps to create EC2/VM/ Serva lintance > Name & Tag AWS account Cosphon -> Amazon machine image Selecting O.S -> Instance type CPU & RAM Default: T2 Micro 1-cpu & 16B RAM max: u-zytb1. metal 24,576 - GB RAM 448-cpu's & -> Key-pair we can create instance with & without Key-pair without key is not but option. For safe & secure login to servers 1. public key: stored by Aws (. SSh file) 2. private key: stored by civer's Both the Key's Should be natched together then we can connect to Private Key : (PEM Gle PPK) workers Security & Wetwork was words longing In retworking, we can choose where can we create on Servi in which datacenter, you want Ip address or not, on which retwork you want to create Every see instance has security fixewall which is recurity group.

1. inbound rule: What type of network traffic are allowed into the instance. 2. outbound rule: out of the wintance.

Elartic block storage (EBS): -> Strage To provide storage for the network/sorver

Default: 8GB MAX: 16 TB

Advance details De con sun saipts surer behaviour, planment private 28 (dynamic) . " with In networking settings sabret - availability zones (you can choose) Security group name > Just name Inbound security group rules will wish in the first SSh (secure socket host / Shell) used to connect limin If we relet window os then it should be RDP In configure storage (EBS volume) det privations minimum: 8 GB (Free Lies upto 30GB)
Marinum: 16 TB Marinum: 16 TB => Security Tak Even if we stop the instance built & The allocated EBS volume will be considered as wage and that will be billable.

So we have to terminate after the usage. we can can take the backup of terminated instances by backey service which will be paid. Warne of wishence

on can also near iter appliation through DN'S

Fr - www fordube. " om



we can also access the application through DNS Ex: www.youtube.com

warre of instance

create an instance and install http werserver -> sudo -- sudo -- sum inital httpd -y && systemeth start httpd -> yum inital httpd -y && systemeth start httpd if we want to access this application httpd -> sudo -i lina home then, you have mention the htips post in recurity agroup had to a square hardward , should in Type -> http , Port range will comes automatically Source -> my IP (only I can access) custom (we can adjust the accessibility) Parte the public IP in bowser, you will got the In my IP -> have to give custom in source & here 32 means 232-n [n means n'humber of wees] if sit is it were the n= 32 10 to the ming at mil 232-32 = 2° = 1 1 deing the de If you want to check the application through private Ip which is in within your server -> curl http://12/2:31.2:121/ ildeg it day curl http://zprivate sp>/ 108 = 1/16 If you want to change the instance type like t2. micro to t2. medium select the instance, instance should be stopped after stoped setions -> instance settings -> change instance type on worch box give to medium -> change To enable protection -> instance setting -> change stop / termination protection -> enable

connecting instance through putty it is done PEM -> privacy enhanced mail whice Putty is toppe habet all continue and voy met mobaxtern, vscode, command prompt, but back -> Pen get - little , Port somer will come automobiled Better to use (PEM mo) I place) 92 que to socios To connect this pen to putty by converting into ppk then we can connect putty with more Initall pully from pully org from browser when you install putty, putly gen will also downloads automatically for converting the file → load

→ relet all files berjour pein file lowerting

→ save private key

> Save id by a name

**proved realization of the sate troop of the putty -> openerputty of medice in is disher ge storing -> parte the public Ipsiin shothame it I was to -> With + 83h / gz doving > 11984 Jrun click on frut browse bappala al select ppk file openie. unshin all trales and madingin as a ecz-user To increase the front size - click con white bar change settings -> appearance -> change -> apply public unation a middley ideas of Charge stop I terminister protection - Sorbile

To charge color -> Same like appearance -> colours

-> default foreground -> modify -> ok-Apply Connecting instance through Mac: Select the instance -> connect -> SSH client Go to the Downloads in mac terninal through co pownloads bossos sured from copy the third point command in 85H client & copy the enample command Connecting intance through command prompt: -> Cd Downloads -> ssh -i "pomfile Pern" ecz-wer@ pubip