IN THIS ROLE, I WILL ALWAYS COLLABORATE WITH MY CO-WORKERS SENSE OF OWNERSHIP - Positive = SMILE @ (Devops Combination of cultural to ensure we quickly meet the team's objectives. Philosophies, practices and tosks. SELECT \* FROM student\_table WHERE grade < 90 SELECT # FROM employees DEDER By gender DESC, first-name ASC; TO DO [ In-progress | Done Infrastructure As code Terraform: Infrastructure (P) My cat is very gruman (1/p) C35 - Cascading Style Sheets Provision A COMPUTER NETWORK COMPRISES TWO OF MORE Closing Tag &p style aucolor; blue; " y Hello World \* Ansible : configration COMPUTERS THAT ARE CONNECTED - either by cables ANSIBLE WORKS AGAINST MULTIBLE MANAGED RANCHER IS CLUSTER MANAGEMENT TOOL KSS & liveres - whether container is running? NOTES OR "HOSTS" IN YOUR INFRASTRUCTURY AT THE SAME TIME, USING A LISTS KNOWN OF WIFE WITH THE PURPOSE OF TRASMITTING, SHARING YOU CAN USUE RANCHER WITH DIFF (LOUD PROV. JENKINS - CI tool, keep trock of verigh Cathon > roadinase Julieties container redy to receive Request AS INVENTORY (STATICIONNAMIC) LAN (local area network) short distance HELM is a collection of all your versioned EJENKINS PLUGINS + Maven 2 project, Amozon ECZ I monitor the build system, provide notifications, alas PLAYBOOKS CONTAINS PLAYS ANSIQUÉ pre-configured application resources which PHTML Publisher, Git Plugin, Mctrics, GTT Jococo can be deployed as one unit. You can be deployed as one unit. You can WAN ( wide are network ) wide area - region to region PLAYS CONTAINS TASKS simplest no signost can be deployed as one unit. You can UPN (virtual private net) secure, point to point connection TASKS CALL MODULE then deploy another version of chart with a [ = manual request Build, CRON Jobs, TASK RUN SEQUENTIALLY IP Adress: unique number assigned to every device connected tonet. PUPPET COMPLEX SUPPORTACION PROMETHEUS - SYSTEM MONITORING AND ALERTING NODES: a connection point > printers, modern, switches. KOMPOSE is a conversion tool, for Docuer Compose CRITICAL EVENT MANAGEMENT PLOVIOUS container orchestratus such as KES. Speak, means that applying it multiple times kompose convert -f daduccompase. yml -o 151/huse will not change the result GRAFANA - VISUALIZATION - ANALYTICS SOFTWARE to container orchestration such as KSS-Dpark. ROUTERS: physical or virtual device that sends information GATHER OPERATIONAL METRICS, RAISE ALERT contained in data packets between networks. SWITCHES: a device that connects other devices and manages YEITE - DIVIDING BUODING DEAETDAWENT FILE node-to-node communication within a network, ensuring KUSTOMIZE configuration management solution to send, receive, and/or relay outgoing SMTP simple mail Transfer Protocol, and CYCLE INTO SMALL COMPONENTS data packets reach their ultimate destination. SCRUM & Sprints 2 waek, Relocuses fishery PORT > Identifies a specific connection between network devices. 6 ICANGAN & CONTINONS - PELEONON XZIF NETWORK TOPOLOGY POSTGRESQL + 0 bject based Relational DB mail between email senders and receivers. BUS NET TOPOLOGY + Bren network node is directly connected main cable. the selectively override default settings RING TOPOLOGY - nodes are connected in a loop ...
STAR NETWORK TOPOLOGY & all nodes connected to a single, central hub supports pyloton and net used case & most complex websiles, app TCP/IP Transmission Control Protocol/Interne without actually changing the original files. Protocol is a set of network Protocol => MESH TOPOLOGY + Overlapping connections between nodes MAVEN is a tool that can be used for building MYSQL - SIMPLE SOLUTIONS - SPEED that enable communication between computer LOAD BALANCERS - efficiently distribute tasks, workloads, and and managing any Java based project. HELM uses charts to pack all the required 55H secure Shell is a network communication network traffic across available servers his DAFFIC CONT (1) JENKINS PIPELLNE Kes components for an application to deploy protocal that enables two computers to - Create ECR repo VIRTUALIZATION : is the process of using Ispecial software? run and scale. A chart roof hostohave communicate and share data. - Packaging the app into jars with moven only one file named chart yml of convention - Preparing Tags for Docker images upload HELM chart in 33 bucker one physical machine to create virtual machines. TERRAFORM mobile is a set of Terraform Special software is called "hypervisor" configuration files in a single directory. Terraform - Hashicorp configuration Lang. · Build app Deler images Container technology, also simply known as just a container, is a CURL will show the output in the console. GITOPS & Treat Infrastructure code the some - Push images to ECK repo method to package an application so it can be run, with its MAYEN is built automaton tool for Java?

(TIL abest practices for delivering It services. as application code. Creak key pair for Ansible lac version Pult Merse C1/CD requests Pipeline dependencies, isoloted from other processes. - Create Docher Swam with CFN-Terropm VICTUALIZATION ENABLES YOU TO RUN MULTIPLE OPERATING SX Deploy App on Docker Swarm ON THE HARDWARE OF A SINGLE PHYSICAL SERVER, WHILE Jenking is an open source (CI tool which is - Test the Application Deployment - Run QA Automation Test, Functional ? CONTAINER 124110N ENABLES YOU TO DEPLOY MULTIPLE - cat letc/\*release\* written in Java. It keeps a track on version control system to inthat instrate and mentor APPLICATIONS OF THE SAME OS ON A - obcher mi isbutu (remove (mage also) - Tear down clocker swarm foreass of this a build system if any changes occur. it SINGE VIRTUAL MACHIENT takes minutes monitors the whole process and provides x reports and notifications to alert the coacenty DOCKER as a container engine make got phym.Jenkins is a web sever k run test -- image= redis > k get po container it easy to take a piece of code from it docker run - e APP\_ COLOR= Wage image kexec - it test -- /bin/bash IAM user access issue 7 Ecz volumes encryled SIZE LLOHT inside a container. We add all the build takes seconds my with Kime to give required permission, instructions, such as the code dependencies, k create deploy - fron-end -- image = nginx FROM ubunty commands, and base image details, in Dockerfile, -EKS - worked nod has internet access but ENTRYPOINT ["sleepe] 2 docum un wombes 10 k expose deploy front-end and names front-end- suc Also, with container orchestration tools like key pad has not internet access why? Tagging CMO [ "5"] > You can override on LLI kubelet = a container funting port=80 --type=NodePort
kubelet = a container funting y start-stop container it is best to have small-sized images to reduce (labelling) is really important! the image transfer and deploy time.

CLOUDWATCH Grops Treat infrastructure bell
the some as Aplication code. Otherwise it will sleep Freunds. Kube-proxy = network -leadbalencing . Svc kubectl exec-it podname -- sh ROLE-BASED ACLESS CONTROL (RBAL) scheduler: which pod goes where curl google. com -> no connection why? RBAC restricts network access based on Doepnons of : ensures that all nodes run a copy of a Rod. Container nuntime & responsible for nunning containers. CONTAINERS are deployed application bundled check documentation a you need to add With all necessary expendencies and confry files access control. person's role within an organization and has tops to private subnets. FROM node: 14 Pulling offical node image From Docker VIRTUALIZATION is an abstract version of a - Deployment failed (failed to usign IP container) physical machine, while CONTAINERAZATION Employees are only allowed to occass the WORKOIR /UST/STC/OUPP SETTING WORKIND DIE. APP is the abstract version of application. information necessary to effectively payory their for performance I guess. You can set copy package . Tson / copy package jum file to Work) CONTAINERS LIFE LYCLE: Create Container, Job duties. env MINEMUM\_ IP-TARGET. EKS POVAK RUN nom instau Monitor with Promethus, weep crofflage API TOKEN is a unique identifier of an application Install needed packages run co talner, pause, up ourse istart, stock copy . . DNS system works much like a phone book copy codefles to Wohn Dir. Browser Issue, check logs, check severy 17? requesting access to your service. EXPOSE 5001 - Expose publicly accessible by managing the mapping between names and memory, con & metres, system load metres numbers. Messen Up + 8:11.ing Danbord Not freation Mumbers. Messep Up 7 silling Dahbord Notification is unled and people issued (1/co pipeline, lesh build adaph, which has a toleration to the specific tools can be specific tool node us , java & garbage collection A Taint is a property applied to a node to CMO [ "node", "index.js "] RUN index.s when container enoldle it to run only specific Pods Only a pod launches. KUBERNETES - DOCKER SWARM which has a toleration to the specific foint Auto Scaling Auto-Scaling No - Auto Scaling of computational adjust amount Different to Stant Charter Every to start charter rejources Desired State Monagement A STATEFUL KEEPS A UNIQUE IDENTITY API stands for application programming interfaction tuning enables it to run on a specific which is a set of definitionized proposed for boilding and standard to Rod to note sure fod set so as SLO 3 Service Level Objectives integrating approximate Node Mendles is added to Rod to note sure fod set so as FOR EACH POD ITMANAGES. NO RETURN . LOG IN POD and PING THE SUC

Webbook cijob. when developer push codes to (day, fasture, by C.) JENKINS FreeStyle Project execute bash of webhook triggers persons job that starts, build and with test, jenture makes—git-github-Jococo (Ting Pipeline: Worldow written in DSL. code awayes test) that test jource and show any according Ci) you take the code and packaging up ANSIBLE Simple, Powerful, Agentless dev feature oneach doris Ansible is agentless meaning that you do not Test 30 Commit bustix need to install any software to target machine overy north Functional T. - Create ECR repo - ANSIBLE needs simple 55H connections, and giving the Cl process. Cl process nightly des Packing the app into jars with maven 11:59 PM - Inventory file location >) /ctc/ansible/hosts make sure the code is passed tests. Preparing Tags for Docker Images CD) Deploy the coole some system I'm VM, Contains PLAYBOOK - ASING & YAML file every soudy Manual 9 K Build App Docker Images release PLAY - Defines a set of activities (tosks) Continious Delivery has some manual intervention weelly 11:59 pm Push to images ECL Repo to be run on hosts. Continious Dedorment is outpratically deploy after (1 TASK -) An action to be prentimed on the hot - create key pair for Ansible there is no manual interaction - Execute a command, Run a Script well with · Creating RA Automation Infrastructure for Dev everysind Vser Accepting release Environmet with Cloud-formation - Install a package, Shutdown/Restort 11:19 pm staping « ansible-playbook playbook, yam 1 > Setup Docker Swarm for PA Automation Build Stagins · update dynamic environment Idempotecy -) An operation is idempotent if the result of performing it once is exactly the Cach commi Production prod main ENV. a swarm setup for brand master nade ; init swarm some as the result of performing it repeately This project aims to create full CI/CD Pipeline · Swarm setup for managers - John doctor moregor NOLES - main point is re-usedole Ansibio-GALAXY · Swarm serve for worker - ) Join docker worker for microsenia based applications. /mvmw clean package = Package the application cansible-galaxy init mysql> Deploy App on Docker Swarm (Ansible Playbook Roles let you automotically load related vars, Test the Application Deployment (Apprecedy) files, tasks, handlers and other ansible artifacts. b kompose convert of K85/docker.compose-yam/ HANDLERS—) Sometimes you want a task to run only then a change is made on a machine. For example, you may want to restort a service if a task updates the configuration of that service, but not if configuration is unchanged. ● Shucurl -s \$ forano Master Public-197:8080 V - 0 K85/base Run the Seknium Functional Test on QA Environment x Init Containers: olusturduğumuzda Kinde bulundiği-TEAL DOWN containerin baslamosuri loir baska (init containere) · Deleting all local images docur image prive - of HELM is a package manager, we use a single common bağlamız oluyonz. Örnehte Config server vor. · Delete the Image Report ECR aws acrelich Report. to install entire application. I helm install wordpress 7 Conf. Ser. bir sinirlama you ama disavery · Tear down docker swarm infrastrature CHAPES are collection of files, and they contain all the instructions that helm needs to be able to create serverin Spec Lismina Intrantation tomports aws cloudformation delete-stack -- region ... sever barlatma! barlamadan Discovy Collection of objects that you need in your 1885 club helm repo helm repolist helm repo uplate HOW IAM WORKS DAKER) sif we have more than one CMD command KES - ) what are the two differnt ways inject pad? Users, Groups, Roles and Policies/Permissa (me env var) configueps, secrets) in Dochertile it will only consider Packing the app into jars with moven specific collection collection of individuals of us or policies Allow/ Dery There are other better ways of handling sensitive the latest one. Resources were can overwrite and the but can me ENTERMINT data in Kiss, such as using Helm sectets, Hashicar Vault You can specify the amount of cou and memory - Preparing tags for staging Docher images ENTRYPOINT WIll not overquite it will APPEND use loon + privilege model Build App Docher Images - Exercise courting when modifying policien. a container needs. WE can use CMD and ENTRYPOINT together. GT git config user name "futilitere" - If a container tries to use more CPU than - Push Images ECR Repo FROM Ubunty docker run-It imperave Hello A git config user email " fatilitepe aquall con" its limits it will THROTTLE the CPU. The Container ENTRYSOLD C'echo's twe can overwithe CMD on C' Hello World" Les types of Volume mounting ? - Deploy App on K&s auster can not use more cou than its limits. git che wout - b tertionanch = checkast\_create \_ If a pod tries to use more memory than igit branch testbranch - create branch - sh rancher login its limit constantly the pod will be terminated. STATEFULSETS Like a deployment a SS manages - su envents+ kust.tenp.ym - kustomorutan yw git checkout testbrench & switch to testbranch Volume Mounts - within Volume directory -shrancher laubectt creste secret. default & /var/ lib/docker/volume) Pods that are boxed on an identical spec unlike git merge = keeps both master and feature branch, Bird mounts + Apry directory on docker hest Tyrancher kubect 1 apply - k K85/staging a Deployment, SS maintains a sticky identity for git rebase - i HEAD~ 4 = interactually rebase last 4 country - pich docker run -- mount type=bind, source = data, myml each of their Pods. These pods are created from - Post? the same spec, but are not interchangeable, each pich = delete = write squash chape = squash targets Nor/116/mysal > always } has a persistent identifier that it maintains REDUCE DOCKER IMAGE 512E will make to pick 4 wounds combined to DAG edio "Deleting all local images. 1 1- Use minimal Basa images & distroless images across any rescheduling. git revert =) you undo changes and been the record sh 'docher image prune - of' Statefulset ensures stable storage for pods. 2. Use multistage builds of that change in history. git reset - hard HEAD ~1 3 take you previous charles git stash 7 take changes to another area Later you will 3. Minimize the number of layers COPY offer FROM 4. Understanding Caching - rebuilt egain egain = nit reflog 2 shows all logs even git reset 6. Keep Application Data Elsewhere will decreamed this highly recommended to use the volume feature PROMETHEUS - The most famow metrics exporter it collects and stores metrics. You can set up alerting rules ob of the container runtimes to keep the image GRAFANA visualizes metrics collected by fromthan severate from the data. in pretty doshboard, Grafera is a universal tool From node and it can visualize data from many sources, ENV MONGO\_DB\_USETUNAME = admin MONGO\_DB\_PENN including for example SQL databases RUN medir -p / home/app your set up alerting rules in Grafena Arubil copy . / home/app If you want to hear more about my experient CMM [ "node", "sever. Is "] I will be gled to answer your questions.