ETES INTERVIEW (AXA+ 1) INGRESS & EGRESS: 12) Node Scheduler: * A Kubernetes Deployment Yaml Specifies 7) Types of Load Balancer: # It is a control plane process the Configuration for a Deployment object * Ingress: It is incoming traffic to the (1) Internal Load Bolancer: It automatically which assigns Pods to Nodes It this is a Kubernetes Object that can balances load and allocates the pads with determines which Nodes are valid * Exposes HTTP & HTTPS routes from create and update a Set of identical pods. outlink the cluster to Services with 3.) Daemon Set: Required Configuration placements for each fods in the (ii) External Load Balancer: It directs the Scheduling greene according to the m the Cluster * It Deploys a pod on all cluster traffic from the external load to the Constraints and available gresowies Ingress seds all its traffic to one: nodes or a Certain Subset of nodes. Scheduler then Yanks each Valid Node client- Load Balancer cluster PEd backend pods. and binds the Pod to a Suitable Node 4.) Statefull Set: 13.) Node Selector! (8)) Polling: * Used for Stateful applications Similar * It is a library for computing the * The Simplest Hecommended Ingress Routing Rule Service to a Deployment, but each podis unique Status of Kubernetes SteSources based on form of node Selection constraint. You and has persistent identifier. Polling of resource State from a cluster. It Can add the node Selector field to your Expose Router: Can Keep Polling until either Some Condition Pod Specification and Specify the mode * Egress: It is outgoing traffic from the pod. is met, or until it is cancelled through the * It Navigate to your Youter's Configration labels you want the target node to Page by typing the Youter's IP address into Provided Context. have. Kubernetes only schedules the lis Restricting egress traffic your browser. Find a settings tab for Ports, or 9) Election in Kubernetes: Pod into nodes that have each of the * It's a Common Security require Port forwarding Where indicated, input the labels you Specify. * It begins with the Creation of a lock ment and best Practice to restrict number of port you want to open where indicate Outgoing Connect from the Cluster. object, where the leader updates the current (4) Node Anti-Affinity: input the Static IP address of the device you Outgoing (NAT) Behaviour: timestamp at regular intervals as a way of * It also called Inter-pod affinity * Network Address Translation watth the port to forward to router. informing other steplicas stegarding its allows you to Constrain Pads is the process of mapping an Ip (63) Services in Kubernetes! Leodership against labels on other pods. address in a packet to different 6) Cluster IP: Expose the Service on a 15) Router in Kubernetesi Ipaddress as the packet passes cluster-internal IP through the device Performing update time-stamp *It is a turnkey Solution for KSS * makes the Service only Heachable from Current Leader: 1 Replica 1 every 105 the (NAT). last observed time: 3:02 PM networking with aim to provide operation within the cluster. This is Default Solive (ii) Egress gateways: lease Duration: 105 Simplicity. Networking is hard as such In typical KSS cluster you would * Another approach to Kubernetes (ii) Node Port-Expose the Service on each egress is to route all outbound need to install multiple network Node's IPata Static Port. Connections via one or move gateways components for various functionality. (103) Taint & Tolerance in Kubernetes: * A cluster IP Service to Which Node The gateways SNAT (Source Network Port Service will raute, is automobifully (16) Create Secretain K83:-Address Translation) the Connections (i) Taint! - It is opposite -- they allow a So the external Service being Connected Created. * Secret is an object that Contains a node to suppl a Set of pods to Sees the Connection Coming from (iii) Load Balancer: Expose the Source (ii) Toleration:- It is a applied pads x it allow Small amount of Sensitive data Such as externally using a cloud provider's the Schedular to Schedule pods with matching a Password, a token, or a key. egress gatway. - Use Kubectl. 2) Kubernetes Deployment Yaml: a Services, to which the external load blancar taints. - use a Configuration file. *It Specifies the Configuration for (11) Node affinity: will route, are automatically created → use the Kustomize tool. a Reployment object-this is a Kubernetes (1V) External Name: - Maps the Service to the * It is a property of pods that (x) work loads in K851contents of the External Name field by Objects that Can Create and update a attracts them to a set of nodes (either # It is application running in KSS. Set of identical pods Each Pod Yung Specific returning a (CNAME) record with its balue It is a single components or Several that Containers, which are defined in the spec *No proxying of any kind is Set-up. template field of the Yam. Configration. as a preference or a hard steguirment. work together, on K&S you run it inside a cot of Ada