kubernetes cluster-A cluster is a foundation of K8s engine. It has various components such as worker nodes, API's, kubelet processes, deployment files etc. APP. yam1 Deployment PR IK Worker Pod 1 containor [Containor [PIRO K85 Replicas = 3 API cluster XK Worker Poda Services Container [] P.R3 PIRO Replicas = 0 K Worker P-pod R-Replica 134 Problems to solve container - to- container communication pod-to-pod communication pod-to-service communication External - to - Service Communication Requirements of KBS Model -× kss model has few fundamental requirements for any networking implementation 1) All containers can communicate with all other containors without NAT DAII nodes can communicate with all containers (and vise-versa) without NAT

3) The IP that a containor sees itself as is the same IP that others see it as.

* Kuberneter Metworking-

kss is a powerful platform having many design choices and to understand the networking in kubernetes cluster, you need to understand the communication between pods, sorvices and external world.

1 Containers & pods -

What are podso

A pod consists of one or more containers that are Collocated on the same host and are tonfigured to share a network Stack and other resources such as units.

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pads: vistual Network Interface Docker can Start a container and rather than creating a new virtual interface for it, specify that it shores an existing interface.

pods: Paule suspends the current process until a signal is received. do nothing at all except sleep

so, these containors