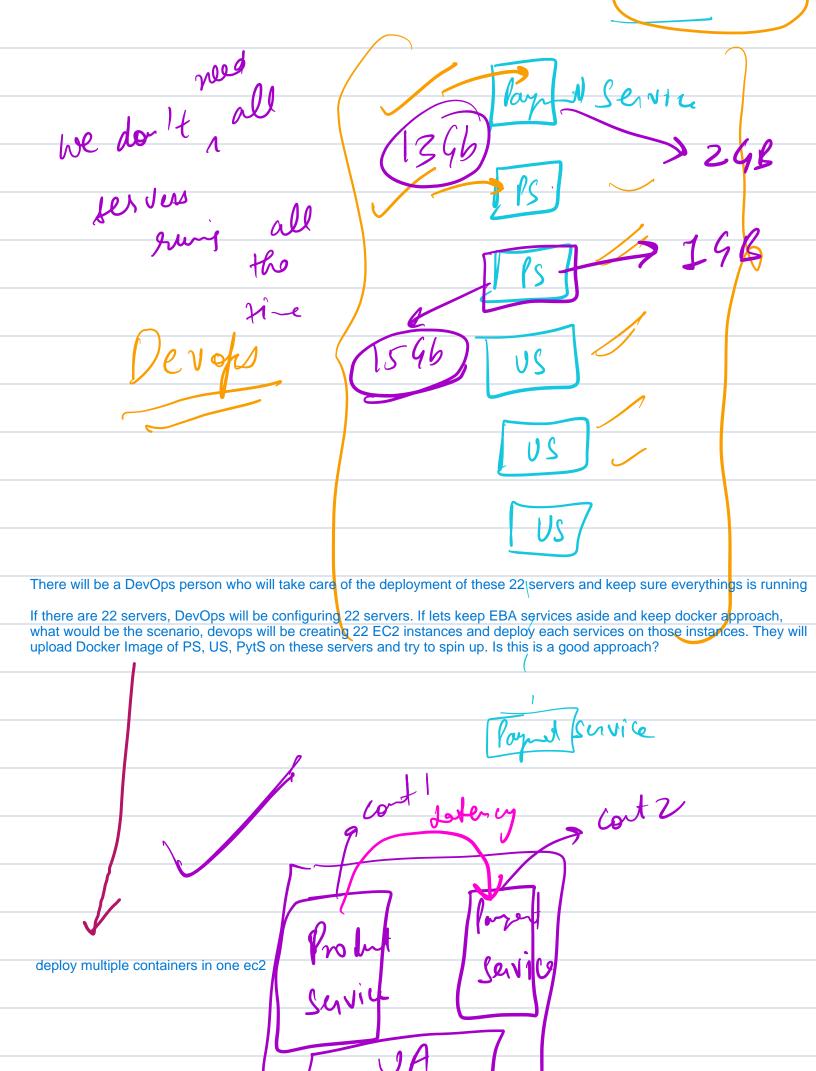
Kubernetes	- Why & two
Kubernets -	- Shy & Into
1 App "	Multiple App n
	Order Service
	Cort Service
In an org there are multiple MS, for these MS all dependencies, OS, and all things will be handled by Docker	Product Surice
OS, and all things will be handled by bocker	Authorization
	Service
Docher	ECZ
Product Service	10 Servers
User Service -	-> (P) Servers
Paymet Service —	-> 4 Saves

Lets say PS require 10 servers to work (handle load since we do not want single point of failure if PS runs on single

22 Saven

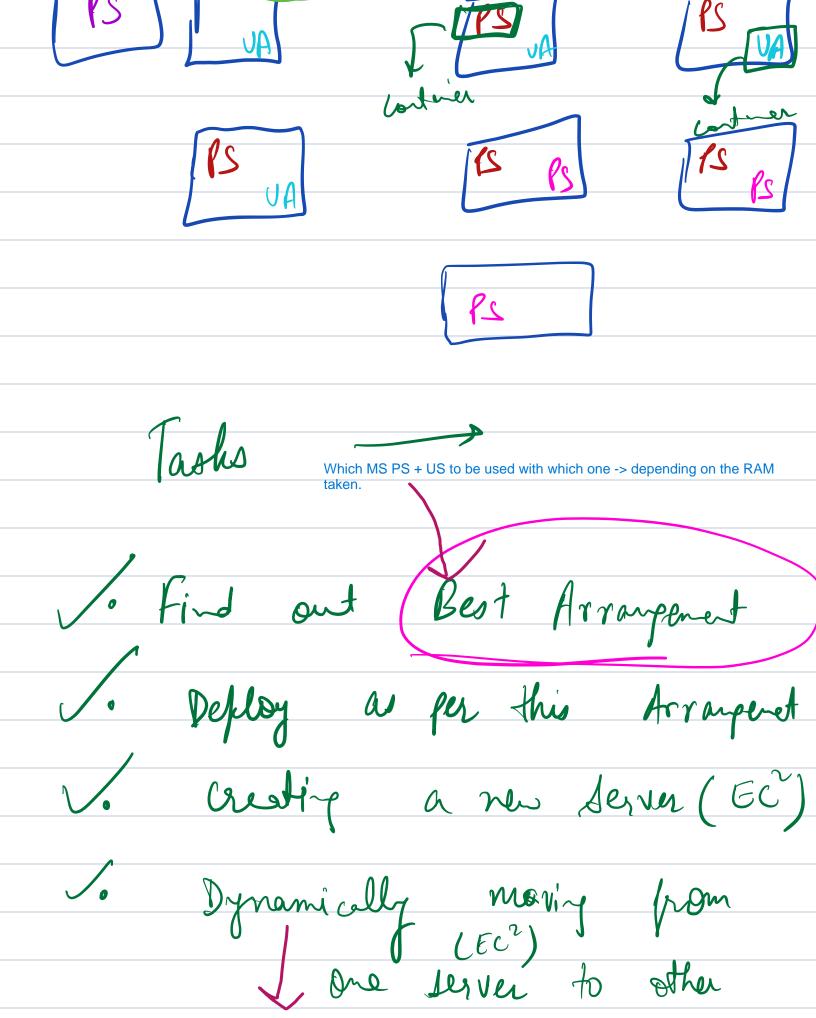
server) these are the machines running the MSs --> 22 servers.

Docher fractical



ECZ Rushing only 1 App" in a server is not an oftimal vsøfe of all resources Solution

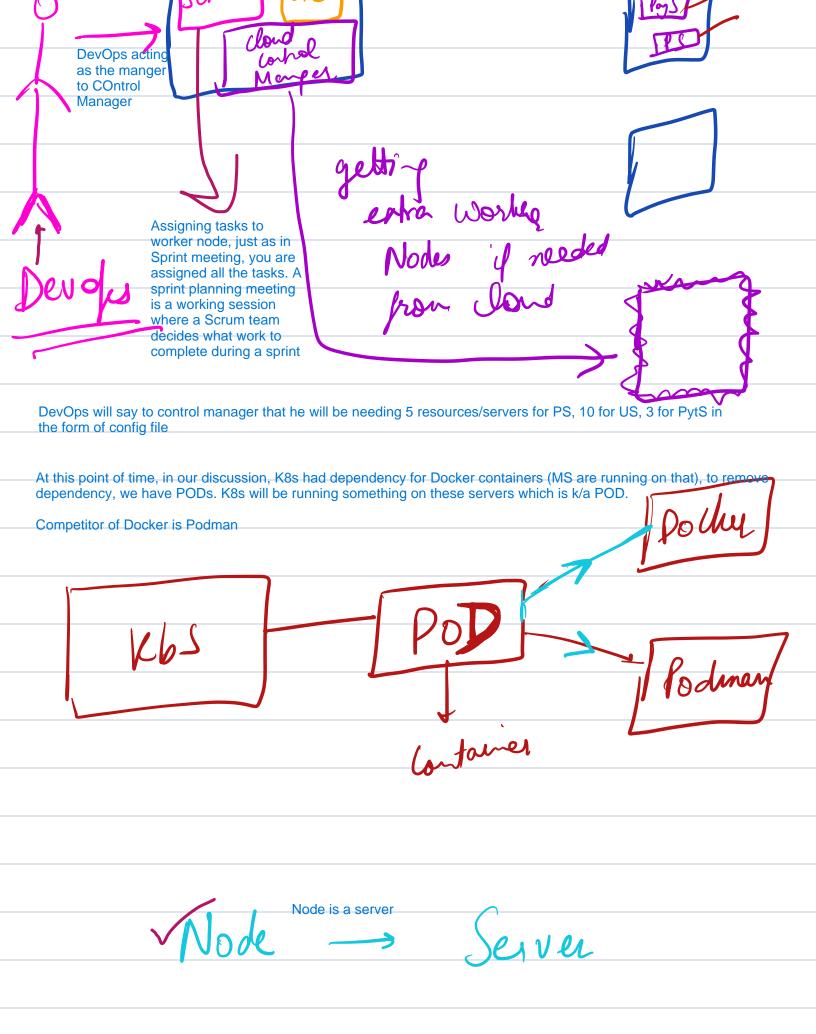
o Multiple Container on one
server latercy will be very less PS PS



one sever goes down, need to provision one more just ance running those Cont amels We need a orchestartor to handle all of this Kubernetes just like an employee Worker [Followers who will just like a manger Server Hot gives

isknown / tesks to

worker Nodes Nodes Chedula etcd



Pod is an instance of application or you can say interface to containerization your application. since interface remove dependency in class (SOLID principles), similar is POD, removing K8s dependency on Docker containers Interface to Conto DevOps person will give config file to COntrol Manager. there will be 2 config files:-Nuber of worker Nodes run particula appr paters to porte which are On one server there will be 2 containers running, and each container can have their own port, Psignal Out running on one port on one container and Pyts is running on same port but on another container. But how will external user will know, they want to run something on a port#? If a req came for "/products/1" who will be knowing where to send this req (PS) which node or server and which port I have to transfer it-> Control Manager will be Balancip knowing. DevOps engineer will give Service config file which will tell which machine is ,what MS, which port to transfer the req n all that

