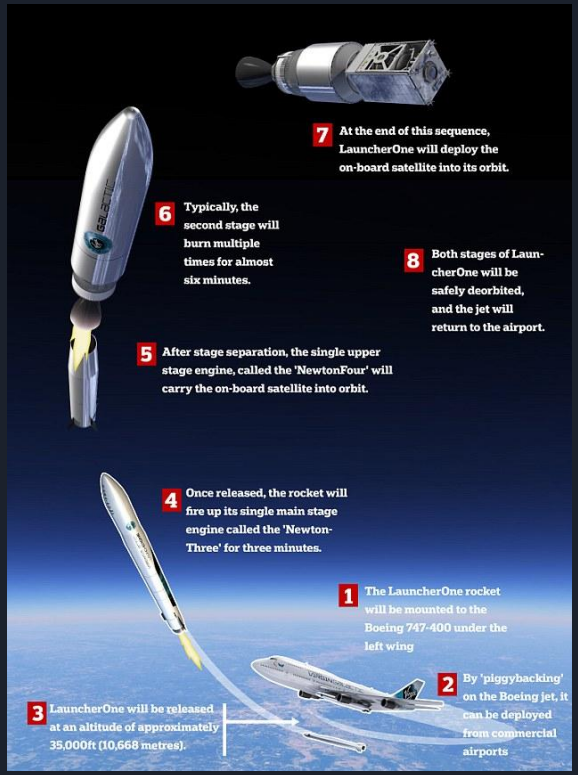
Deployment + Clusters

What is deployment? Set(Activities) ⇒ Customer

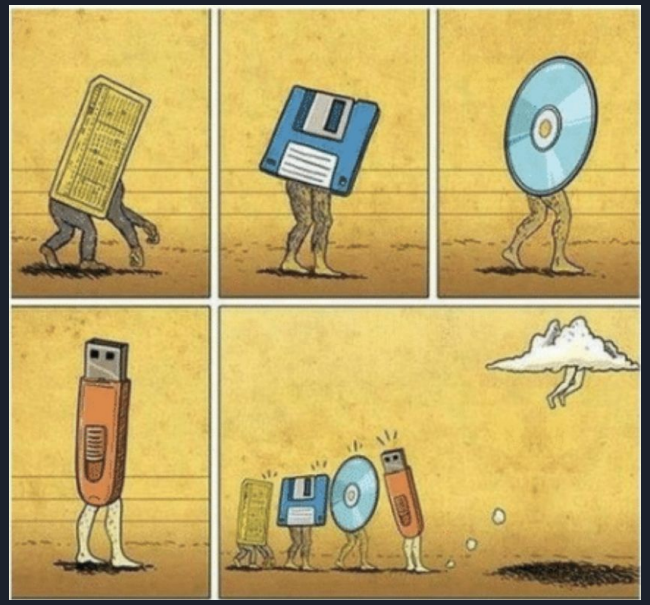
Analogy?



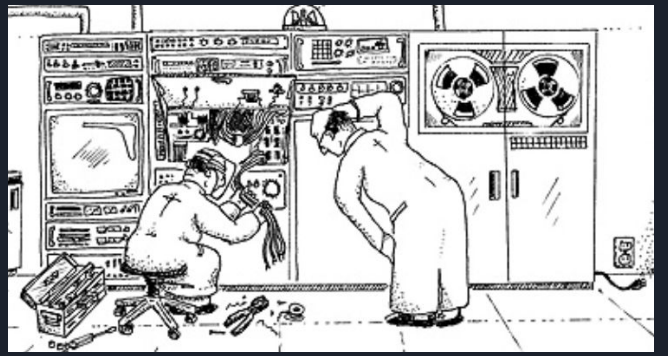
Overhead?

History - traceback?

Age of Micro Computers <User>

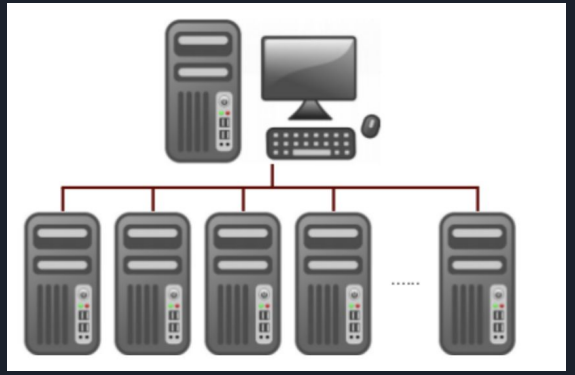


Age of Large Computers <Manu>

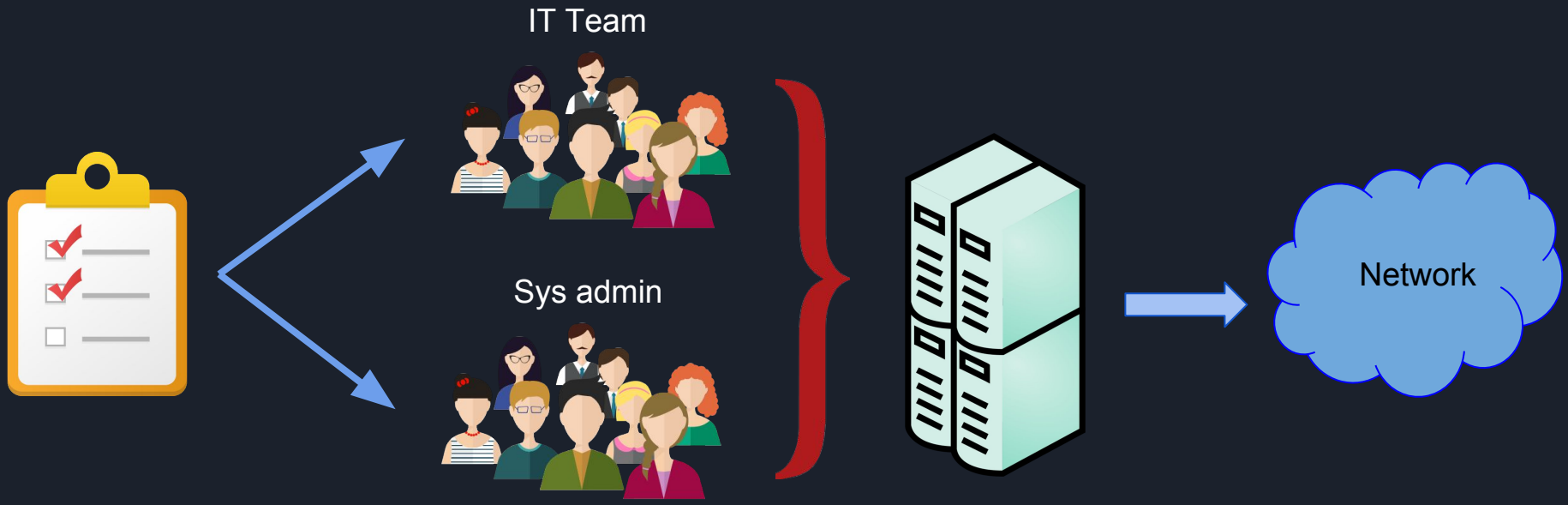


Age of Cloud Computing + Internet Boom <Manu>

Deployment in Clusters:

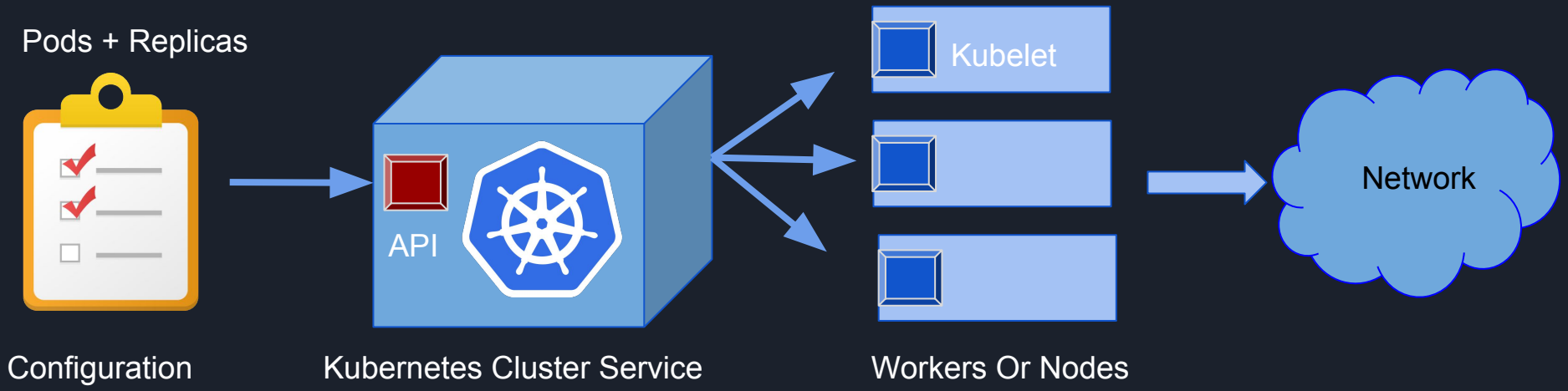


Clusters? group(computer) => work together



Kubernetes

Automation => deployment + scaling + management of containerized applications



Kubernetes vs Docker Swarm

Why Kubernetes?

- Complex setup - to bring up a setup and altering the configuration with respect to kubernetes
- Success stories at Google, Pokemon
- Logging and monitoring tools are provisioned

Why DockerSwarm?

- Native docker implementation, response times are faster
- Easy transition from docker-compose to swarm deployment

References:

- Picture 1 - http://www.dailymail.co.uk/sciencetech/article-3345542/Jumbo-jet-launch-Virgin-Galactic-spaceship.html
- Picture 2 - https://qz.com/1209330/spacexs-falcon-heavy-rocket-is-the-envy-of-china-and-europe-why-isnt-nasa-on-board/
- Wiki reference - https://en.wikipedia.org/wiki/Software_deployment
- Picture3 - https://strugglebots.wordpress.com/2011/12/21/people-vs-machines-which-one-is-more-problematic/
- Picture4 - https://www.pcmag.com/article2/0,2817,2372163,00.asp
- Clusters - https://www.cogenda.com/article/Cluster
- Picture5 - http://laoblogger.com/server-clusters-clipart.html
- Kubernetes - https://kubernetes.io/