1. **THE Cloud:**
   1. **Compute**
   2. **Storage**
   3. **Network**
2. **Load balancers, horizontal scaling, vertical scaling, subnet, hyperviser**
3. **Azure**
   1. **Logic apps**
   2. **Functions**
   3. **Event grid**
4. [**http://docs.com**](http://docs.com) **->**
5. [**https://microsoft.com/learn**](https://microsoft.com/learn)
6. **VM Creation -> Inbound control through ssh**
   1. **Is it the same for resource group?**
7. **Advanced : Cloud init -> before the machine is if you want to run some installations.**
8. **Resources -> Web app-> Instance details-> F1 free tier**
   1. **ARM template -> can be used to design any resource, azure resource manager**
9. [**https://aka.ms/learnapps**](https://aka.ms/learnapps)
10. **Azure CLI -> to submit the jobs**
11. **Object storage -> where each object has an url**
12. **Azure Queue -> any request you get in to queue those you use it. Eg. Promotional link code : many requests at single time. Rabbit MQ**
13. **Microservices : breaking multiple services to different ones.**
14. **Containers :** 
    1. **Container registry : has iso images**
    2. **Yaml is used spin up docker file**
    3. [**https://aka.ms/Conk8s**](https://aka.ms/Conk8s)
    4. [**http://bit.ly/dockerk8s**](http://bit.ly/dockerk8s)
15. **Kubernetes** 
    1. **We orchestrate containers using kubernetes**
    2. **Pods : use yaml to define pods where you combine containers one or many containers combined here.**
    3. **Uber microservice -> google**
    4. **Namespace : logical grouping of services**
    5. **Etcd : is the data base**
    6. **Kubelet : inside the worker node they accept the job and execute the job. Virtual Kubelet**
    7. **Controller manager : replication, namespace, serviceaccounts**
    8. **Scheduler**
    9. [**https://aka.ms/learnk8s**](https://aka.ms/learnk8s)
16. [**https://github.com/kelseyhightower/kubernetes-the-hard-way**](https://github.com/kelseyhightower/kubernetes-the-hard-way)
17. [**https://aka.ms/learnk8s**](https://aka.ms/learnk8s)
18. **Kubweekly news**
19. **Cosmos db trigger**
20. **Serverless cookbook :** [**https://aka.ms/funcookbook**](https://aka.ms/funcookbook)