1. Example for IAAS, PAAS, SAAS in azure.

IAAS: Virtual machines, storage, networking

PAAS: mysql database

SAAS: Microsoft outlook

1. In azure, **azure resource manager** create the resources as per your request i.e. virtual machine, sql database.
2. **Resource group** is basically a combination of resources and it is mandatory to create resource group in azure. Resources can be VM, DB or all together VM+DB. It will allow you to track resources, manage the access & maintain the security standards or compliance of particular project.
3. I.Q. How you are managing your azure resources?

We are using resource group per project. E.g. payment-dev, payment-QA, payment-prod.

1. Do not launch production vm with **azure spot discount** as such vm can shut down at any moment.
2. In ubuntu, apt update or apt-get update means you are **updating the repositories.**
3. Thumb rule is to create machine in **at least 2 availability zone (i.e. 2 copies)** if application is **critical**.
4. Three tier application means frontend, backend & database.
5. **Custom data** is like rc.local file in linux. It will execute the commands while machine is getting started. You can add necessary commands in custom data while creating virtual machine. This option is mostly use in auto scaling.