HTTP & HTTPS

- **HTTP**:- Customers web requests will go in plain text. HTTP port no is 80.

- **HTTPS**:- Customers web requests will go in an encrypted manner. HTTPS port no is 443. To have this port opened, we need to buy SSL (Secure Socket Layer) certificate form registered organizations which comes with encryption and decryption keys.

Status Checks

There are two status checks

1. System status check
2. Instance status check

- **System status check**: - System status check means underlying physical machine check. Its status will be displayed as "0/2 checks passed" if this check fails. To rectify this issue, we may need to "stop & start" instance so that, At AWS Availability Zone, entire EC2 instance will be migrated to some other physical system which is running fine.

- **Instance status check**: - Instance status check means EC2 Instance check. Its status will be displayed as "1/2 checks passed" if this check fails. To rectify this issue, we may need to "reboot" instance so that, At AWS Availability Zone, entire EC2 instance OS will be reloaded and then it will work fine.

- **Note****: - If still unable to troubleshoot any of above issues, we need to contact AWS support.

<u>Scaling</u>

- We can scale up and down Instance type (CPU Cores & RAM). For this we have to stop instance. We can't scale Instance type while Instance in running mode.
- We can scale up EBS (Hard Disk). For this we need not to stop instance. We can scale up while Instance is in running mode. We can't scale down EBS as AWS is not allowing us to do so due to data security reasons.