

# **AWS ZERO TO HERO**

## **DAY 1**

### 1. WHAT IS CLOUD?

So traditionally, companies buy servers(multiple servers together are called data centers) and deploy their applications to the customers.

Here drawbacks are:

1. Servers are very expensive.
2. For example a server comes with 1 TB ram and if you deploy one application on one server which is 1GB then all the remaining storage is wasted.

### VIRTUALIZATION:

Virtualization is basically splitting of resources so that they don't go to waste.

CLOUD: You can request virtual servers and they will be hosted on a server somewhere , you can get the ip address and use it. So this is why it is called CLOUD.(All this is managed by system admins).

2. PRIVATE CLOUD: if all the above methods are within your organization and no one from outside can request and access this this will be called as PRIVATE CLOUD.

3.PUBLIC CLOUD: So some startups cannot afford all these servers and data centers , so Amazon, Microsoft came up with an idea i.e, nothing but AWS, Microsoft Azure, GCP (Google Cloud).

These companies create these infrastructures all over the world. If we have an account with them, we can create EC2 instances which are nothing but servers.

You don't need to bother about where the virtual machine is hosted.

They are Pay-as-you-go services.

By using the public cloud , we can get rid of server maintenance.

AWS has more than 200 services till date.

CREATE AWS ACCOUNT.