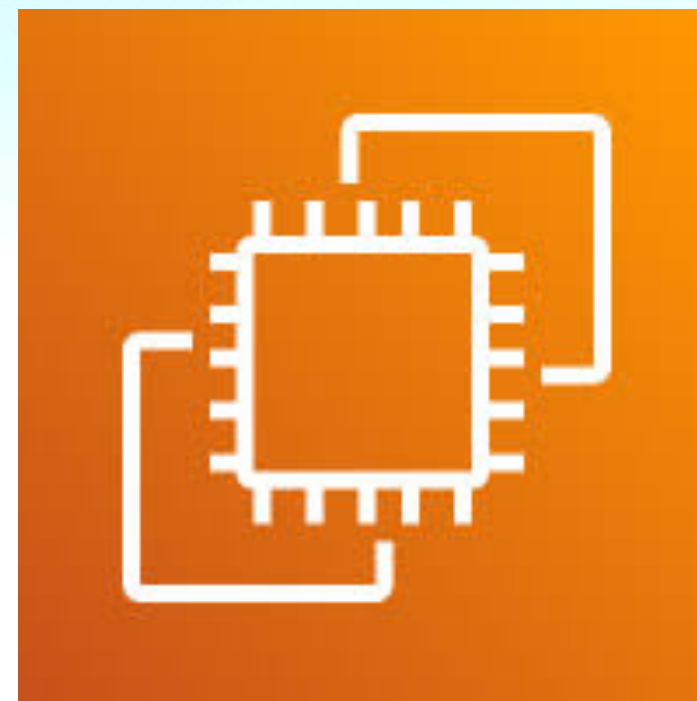


# **EC2**

## **( Elastic Compute Cloud )**

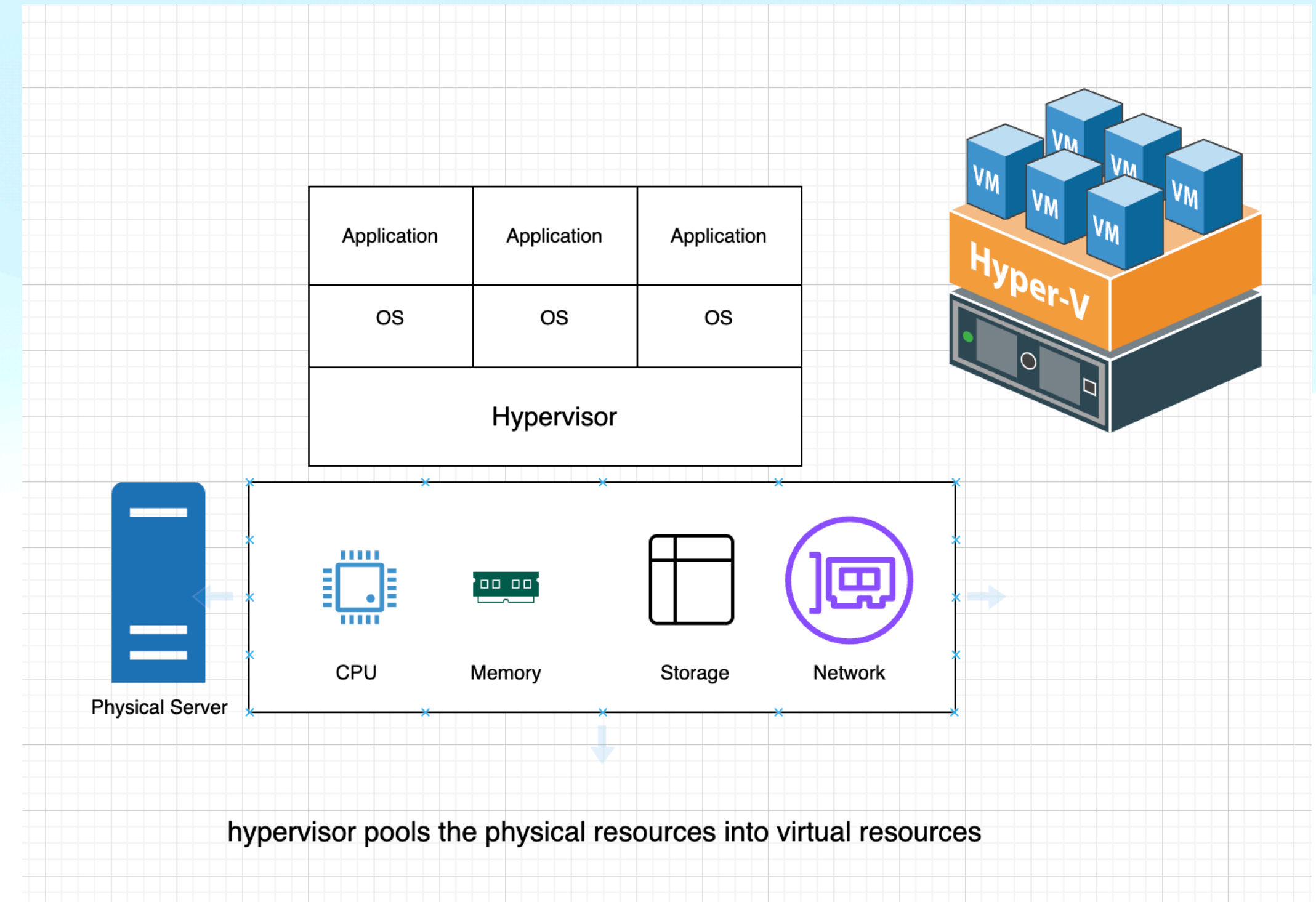
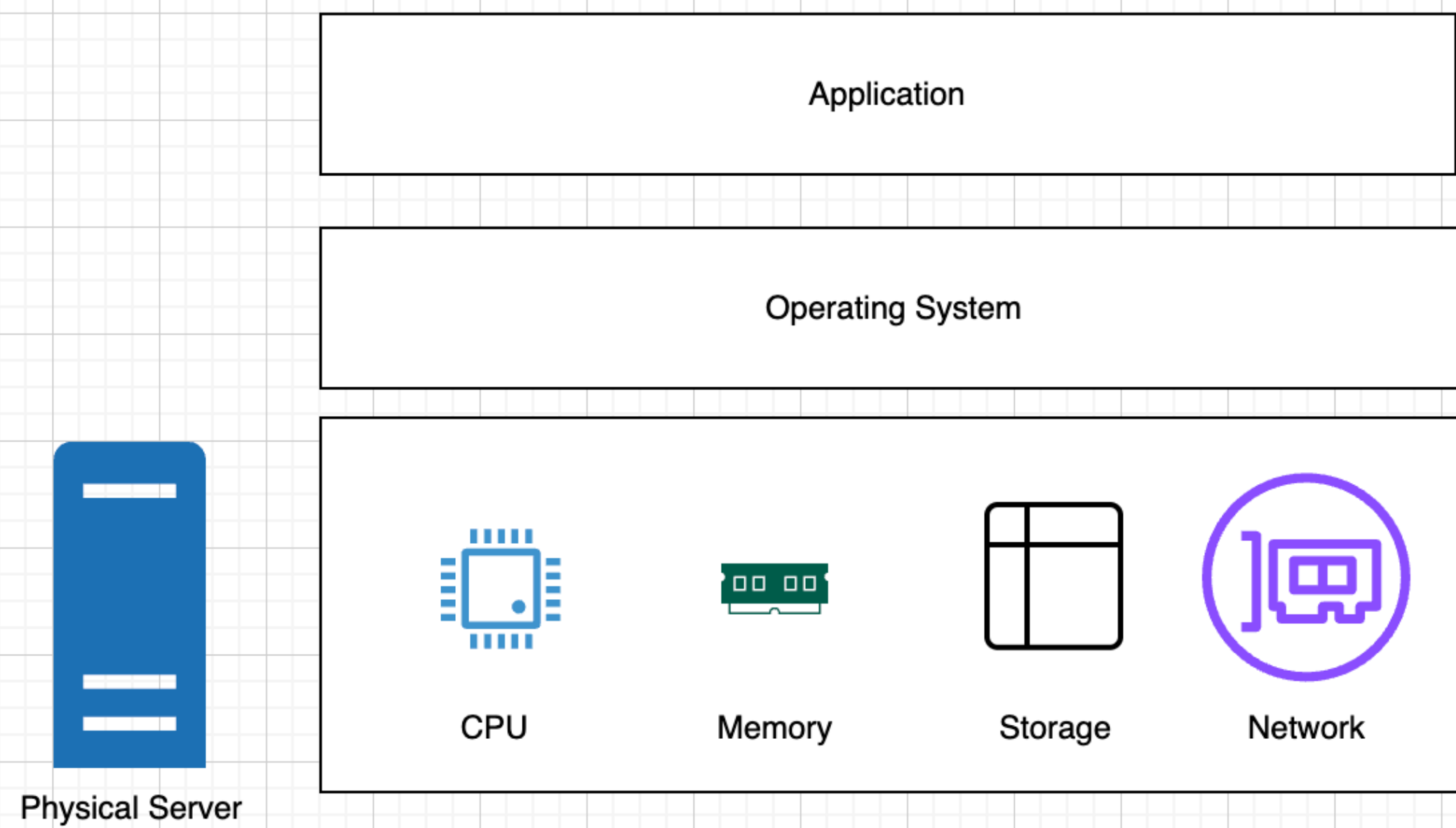


# Today's Agenda

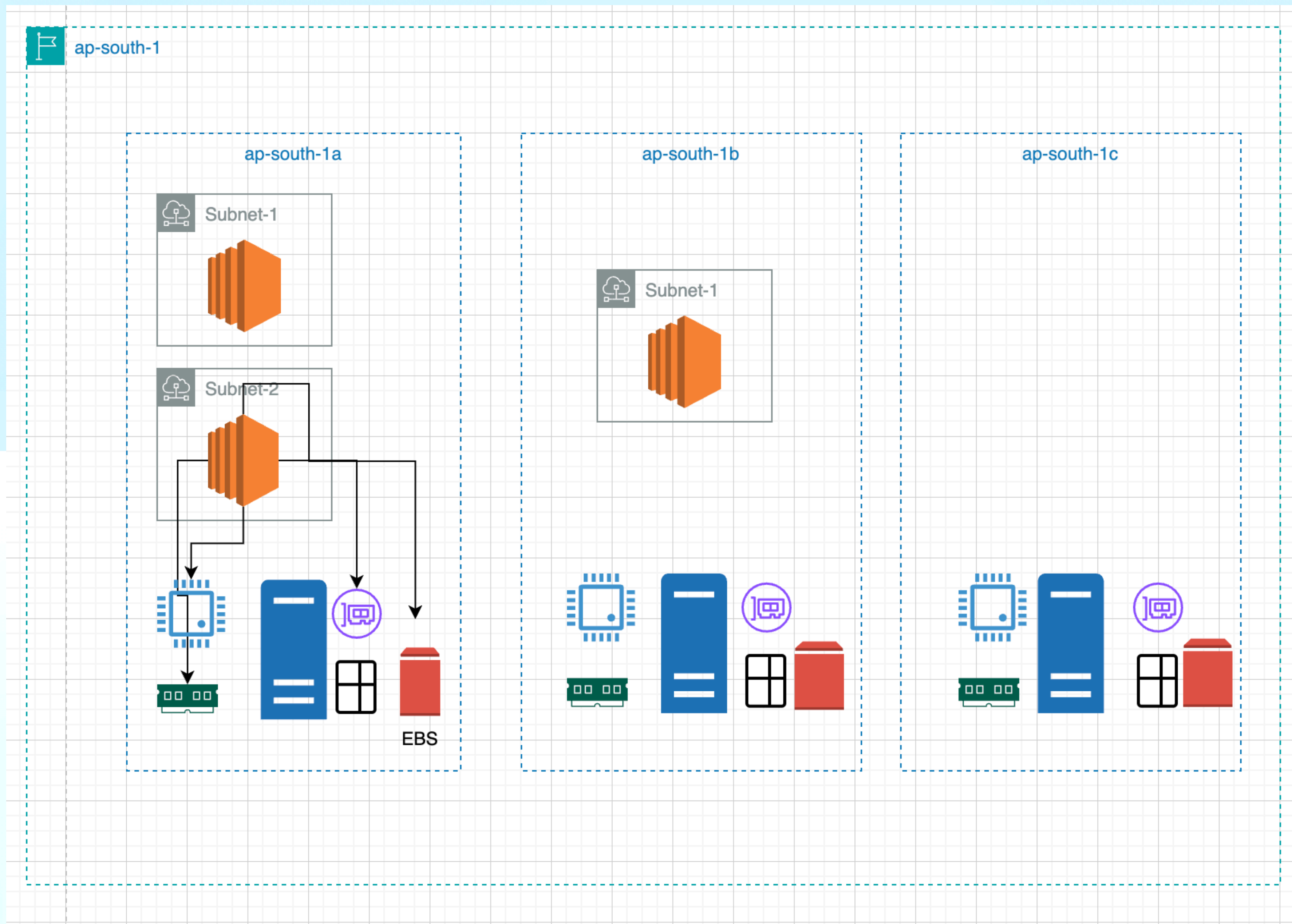
- What is Virtualization?
- EC2 introduction
- EC2 Architecture
- EC2 instance types
- What is AMI?
- Create EC2 instance
- EC2 instance status checks
- Login into EC2 using Key Pair
- Deploy application in EC2 instance



# Virtualization



# EC2 Architecture

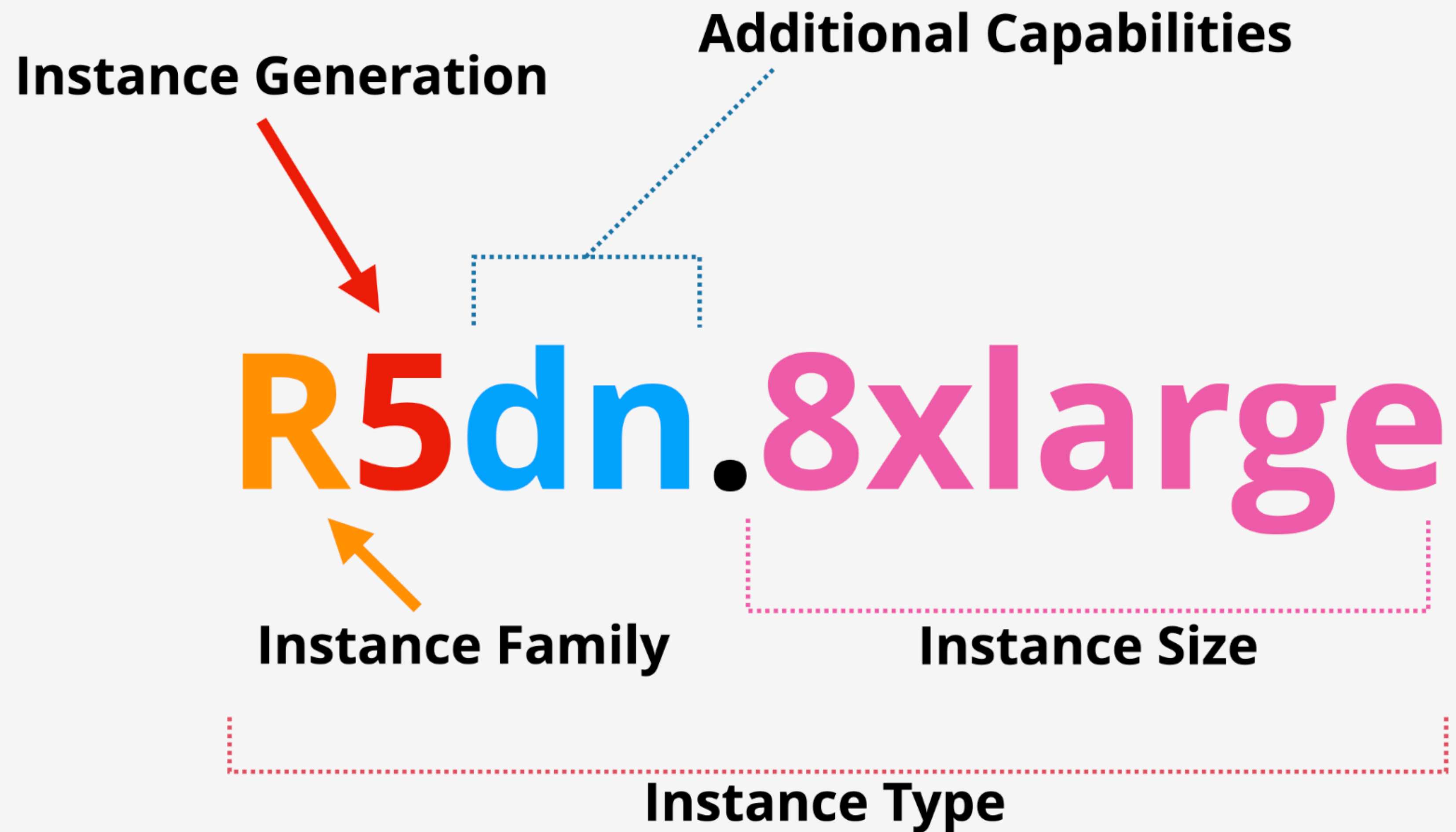


# EC2 instances

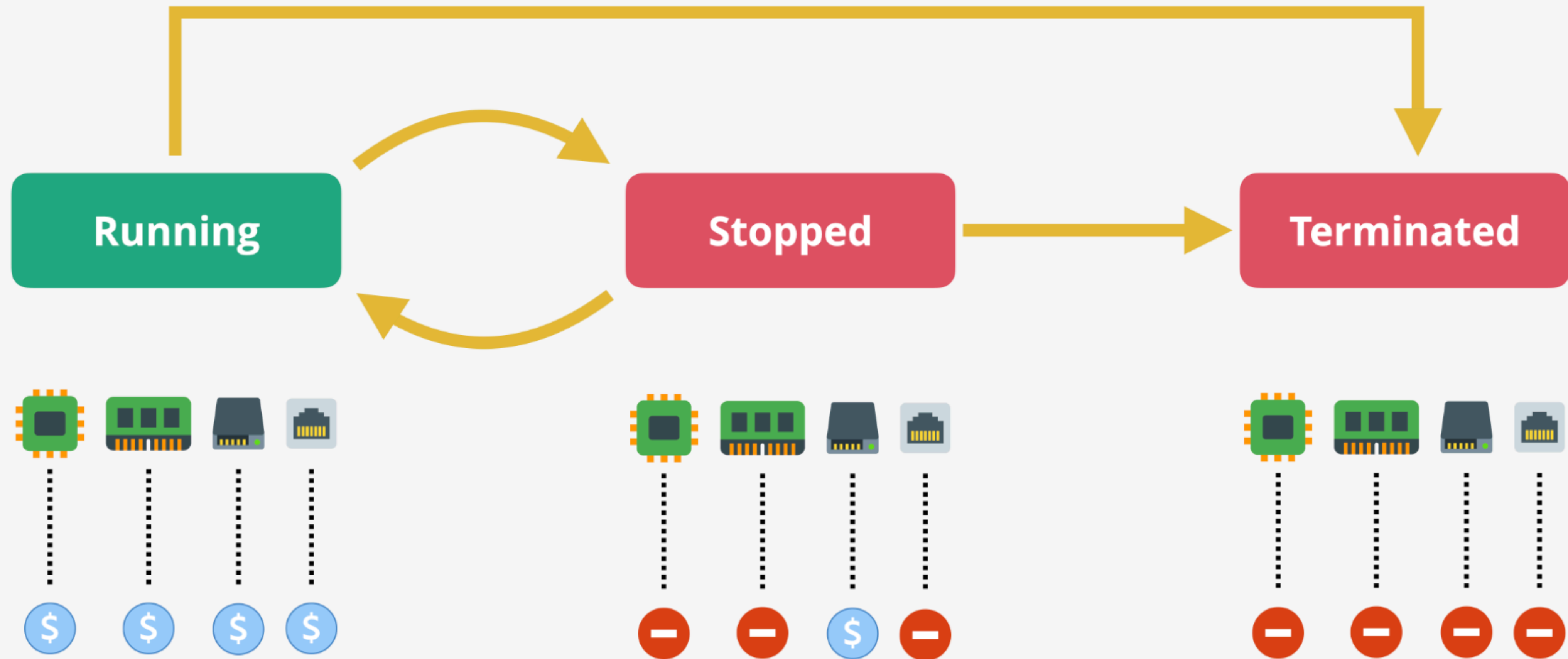
- EC2 Instances are virtual machines
- EC2 instances run on EC2 hosts
- There are two types of hosts
  - Shared Hosts
  - Dedicated Hosts
- Each Host will be running in single availability zone. If AZ fails, hosts fails, instances running on it fails.



# Instance Types



# Instance Life Cycle



# Amazon Machine Image (AMI)



Permissions

**Public** - everyone allowed

Owner - **Implicit** allow

**Explicit** - specific AWS accounts allowed

Root Volume

Block Device Mapping



# Amazon Machine Image - Life Cycle

- LAUNCH
- CONFIGURE
- CREATE IMAGE
- LAUNCH

**QUIZ TIME**

# Q & A