Reference: **FAQs** • Amazon Elastic Compute Cloud (Amazon EC2) is a web service that provides resizable computing capacity—literally, servers in What? Amazon's data centers—that you use to build and host your software systems. • An instance is a virtual server in the AWS Cloud. Category: Compute Amazon EC2 reduces the time required to obtain and boot new server instances to minutes, allowing you to quickly scale Why? capacity, both up and down, as your computing requirements change. • Amazon EC2 changes the economics of computing by allowing you to pay only for capacity that you actually use. • Run cloud-native and enterprise applications, Scale for HPC applications, Develop for Apple platforms. When? • You want complete control of your computing resources and run it on Amazon's proven computing environment. You want to import your virtual machine images to Amazon EC2. Amazon EC2 is a regional service. An EC2 Instance runs in an Availability Zone. Where? By launching instances in separate Availability Zones, you can protect your applications from failure of a single location. Amazon EC2 • Customer must take care of OS patches, high availability and scaling. AWS provides tools and services for Patch Who? Management, Auto Scaling, Monitoring, Backup and Vulnerability Scanning. Select an AMI (Amazon Machine Image) >> Select Instance Type >> Select Additional Settings (Disk Size / Security Group How? **Created by:** Setting / Network / Start-up Script etc.). Ashish Prajapati

On-Demand Instance – Pay per second / hour.

Reserved Instances / Savings Plan – Commitment for 1-year / 3-year term.

Spot Instances – Supply and Demand based pricing. May be terminated by AWS after giving a 2 min notice.

How

much?