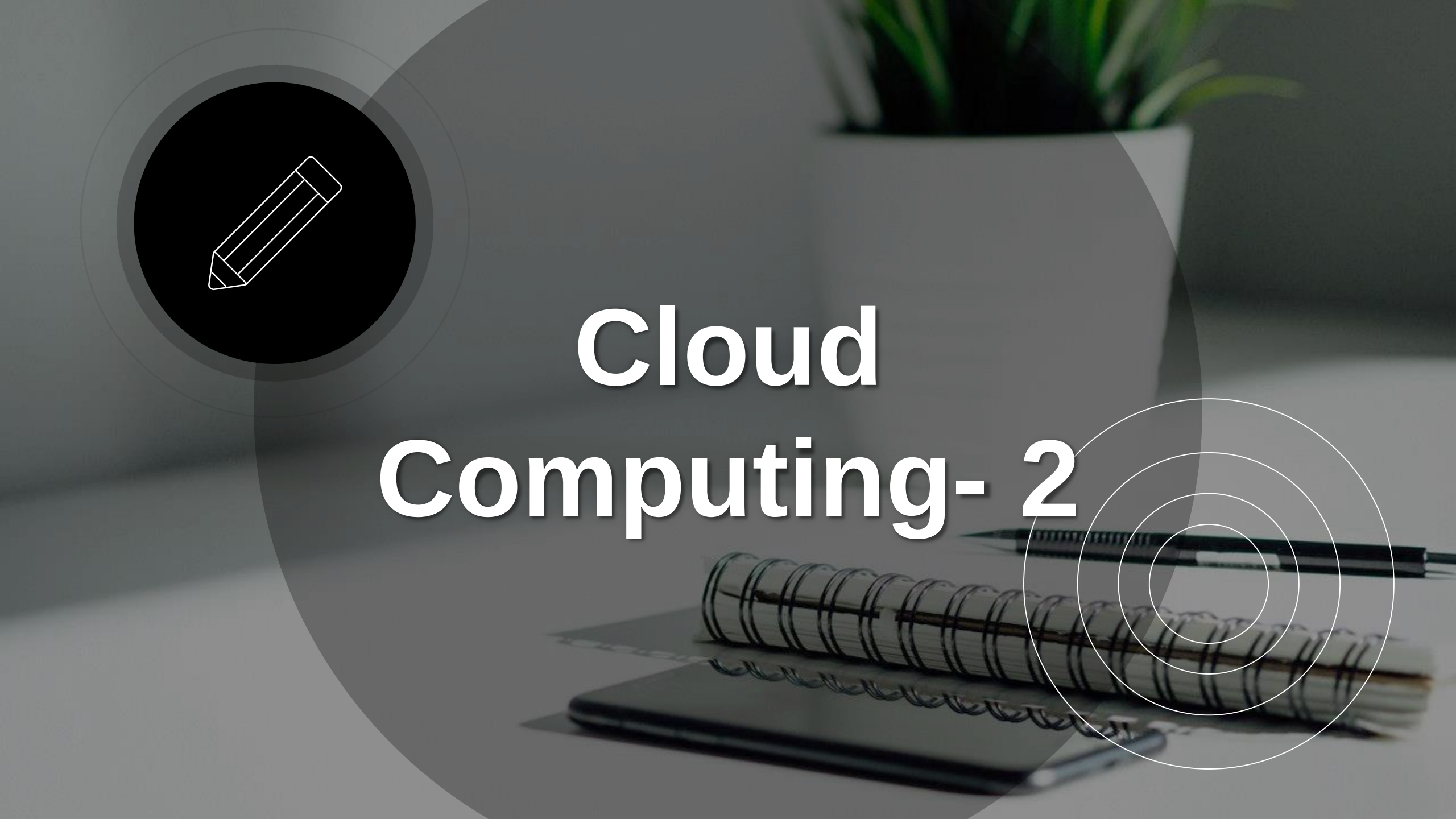


Cloud Computing- 2

AWS Global Infrastructure

24 Launched Regions

Each with multiple Availability Zones (AZ's)

3 Announced Regions

77 Availability Zones

1 Local Zone

For ultralow latency applications

2x More Regions

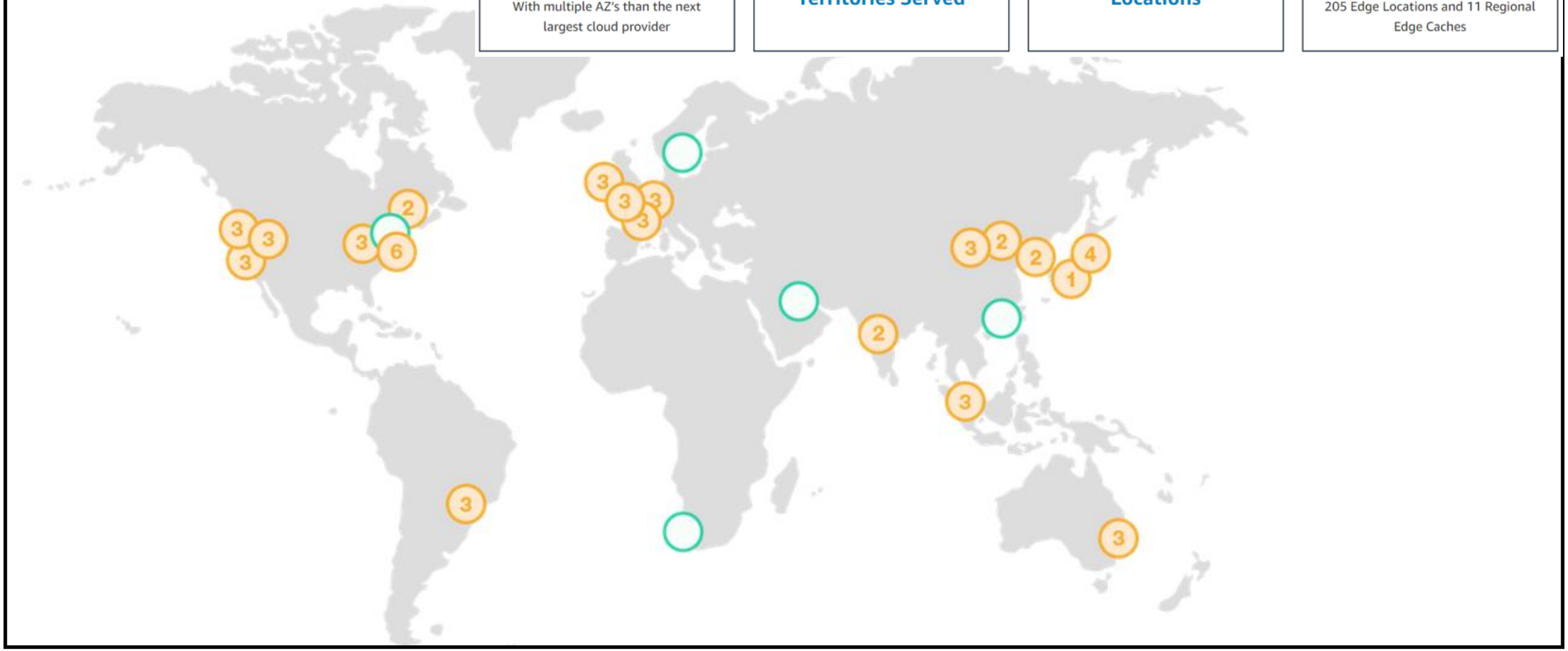
With multiple AZ's than the next largest cloud provider

245 Countries and Territories Served

97 Direct Connect Locations

216 Points of Presence

205 Edge Locations and 11 Regional Edge Caches



AWS EC2 Elastic Cloud Compute

What?

Amazon Elastic Compute Cloud, EC2 is a web service from Amazon that provides **re-sizable** compute services in the cloud. They are **re-sizable** because you can quickly scale up or scale down the number of server instances you are using if your computing requirements change.

- Amazon EC2 provides scalable virtual servers in the cloud.
- An EC2 virtual server is known as an "instance" and can be made up of different instance types and sizes.
- The virtual servers can run different operating systems but most commonly run a flavor of Linux or Windows.

Amazon EC2 Purchasing Options

On-Demand Instances

Pay by the hour.

Reserved Instances

Purchase at significant discount. Instances are always available.

1-year to 3-year terms.

Scheduled Instances

Purchase a 1-year RI for a recurring period of time.

Spot Instances

Highest bidder uses instance at a significant discount.

Spot blocks supported.

Dedicated Hosts

Physical host is fully dedicated to run your instances. Bring your per-socket, per-core, or per-VM software licenses to reduce cost.

Launching an Amazon EC2 Instance via the Web Console

1. Determine the AWS Region in which you want to launch the Amazon EC2 instance.

2. Launch an Amazon EC2 instance from a pre-configured Amazon Machine Image (AMI).

3. Choose an instance type based on CPU, memory, storage, and network requirements.

4. Configure network, IP address, security groups, storage volume, tags, and key pair.

Connect to Ec2 instance

1) PEM to PPK using puttyGen
2) Using putty connect to ec2 with hostname
3) SSH>> AUTH>> Browse– OPEN
4) Login as:ec2-user

Lets create an instance

TO-DO

1)Create instances and connect from your local machines
2)Read about EC2

Next

S3 - Simple Storage Service


Thank You!!