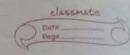
class - is used when we are using giving a common style to our webpage to target any element we use id to AWS training and certification Cloud Practitioner * Imp for exem 1) Explain the value of the AWS Cloud 2) Understand and explain the AWS shared responsibility model. 3) Understand AWS Cloud Costs, economics and billing practies 4) Describe and position the core AWS services, including compute, network, dotabases and storage 5) Identify AWS services for common use cases.

virtualization tellano cojies.

		1
ssmate.		
FC2)	dassaule O ton	
	the Deployment model for cloud comparing	
Awas	when select	
	consider fur Sacloud etras	
	application (a required cloud	
	application components preferred management tools	
A or	intra requirements.	
ets	The three cloud computing	
Server	The three cloud computing deployment moders are	E
f	- CIOUN - DOSEN	
	2) On-Permises	
	3) Hybrid.	-6
	1) Cloud-based deployment	
over	· Run all parts of the application in the cloud.	
	· Migrate existing application to the cloud. · Design A build as application to the cloud.	-
	· Design a build new application in the cloud.	
	application in the Cloud.	
	In a cloud-based deale	
	In a cloud-based deployment model, you can do the above things.	-
70	THE GOOD THINGS.	
-	a no Descriper de	
	3) on-Permises deployment	-
		-
	· Deploy resources by using virtualization & vesou	wce
	management tools.	
	· Increase resourses utilization by using applic	ortes
	the designation to technologies.	
	management à virtualization technologies.	
	On permises deployment is also known as private	COCL
	deployment	
		-
		-
- 11 10	crease resources utilization by using application	1971.
	nagement 4 virtualization tellanologies.	
m	Magaria	-
		- 4
		1

a) typica deployment · connect cloud-based resources to an-peremises infoastructure. · Integrate cloud-based resources with legacy IT applications. * Benefits of cloud computing I) trade uptront expense for variable expense 2) Stopspending money to run 4 maintain data centers. 3) Stop guessing capacity 4) Benefit from massive economies of scale s) Increase speed a agility 6) Go global in minutes.



- * Amazon Elastic Compute Cloud (Amazon Ecz)
- + Pay for wonad you need & a key value of Aws
- * what is a client-server model?

In computing, a client can be a web browsen or desirtop application that a person interacts with to make prequests to computer servers. It server can be services such as Amazon EC2, a type of Nirtual server

* Cloud computing

It is the an-demend delivery of IT resources over the internet with pay-as-you got pricing

- · on-demand delivery inteleates that AWS has the resources you need when you need them
- · IT resources
- · pay-as-you-go pricing.

It indicates that pay only for thom and thoses when you need them

classmate

puge_

the instance in several ways. Your programs & applications have multiple different methods to connect directly to the instance A exchange dota.

* Use -

you can begin using it You convun commands to install software ladd storage lopy 4 organize file a more.

- * Amazon E(2 instance types (1yr or 3 yrs contrad)
- · Each Amazon Ecz instance type is grouped under an instance family.
- 1) Creneral purpose instance

provides a balance of compute memory and networks resources.

- · application servers
- · gaming servers
- · backend servers for enterpise application
- · small and medium databases.
- 2) (ompute optimized instance

benefit from high-performance processors.

- · high performance web server
- · compute-intensine applications servers

Amazon ECZ is a web service that provides secure, resizable * Amazon Flastic Compute Cloud (EC2) . Highly flexible Corpacity in · Cost Effective · Quick * Instance is a virtual server in AWS cloud. · Multitenancy - Sharing underlying hardware between virtual machines Ec2 instances are resizable You might start with a small instance, realize the application you are running is starting to max out the server, and then you can give that instances more memory and more CPV. · You control the networking aspect of Amazon Ec2 i.e how they can be accessed public or private. * compute as a services model (caas) How Amadon ECZ works Launch -> connect -> use * Launch first, you laynch an instance. Begin by selecting a template with basic configurations for your instance. These configurations include the operating system (OS), application server, or applica You also select the instance type

· Increase resources utilization by using applica

management à virtualization telleno cogies.

Conte -

* Amazon Ecz pricing

with Amazon Ecz you pay only for the compute time that you use.

Amazon Ecz provides variety of pricing options for different use cases.

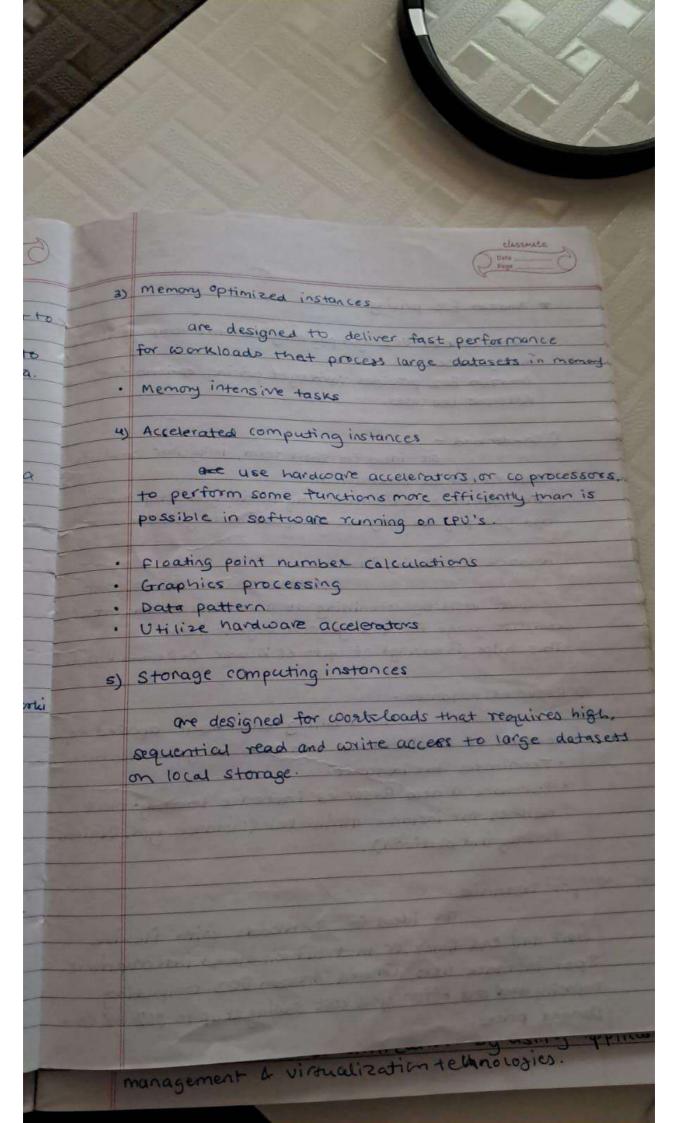
- 1) On-demand are ideal for short term, irregular workloads
 that cannot be interrupted.
 The instances run continuously untill you stop them,
 and you pay for only the compute time you see.
- 2) Amazon EC2 Saving Plans enable you to reduce your
 compute costs by committing to a consistent amount of
 compute usage for a 1-year or 3-year term.
 This helps in savings of up to 66 % over on Demand cost.
- 3) Reserved instances -

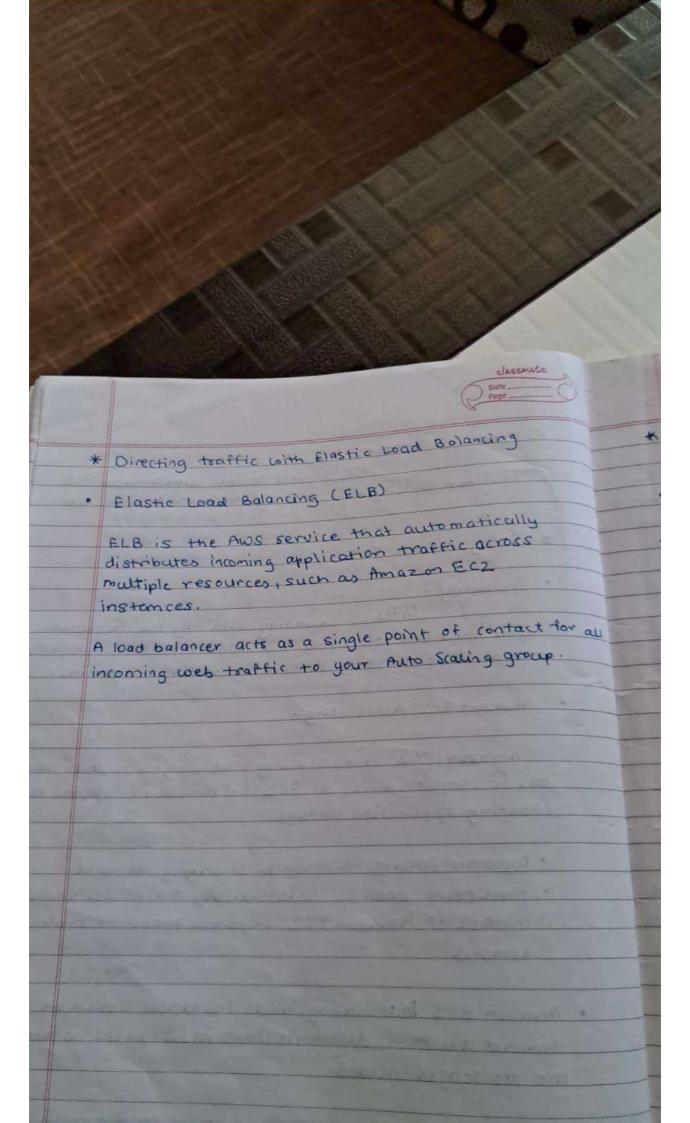
the user of On-Demand Instances in your account.

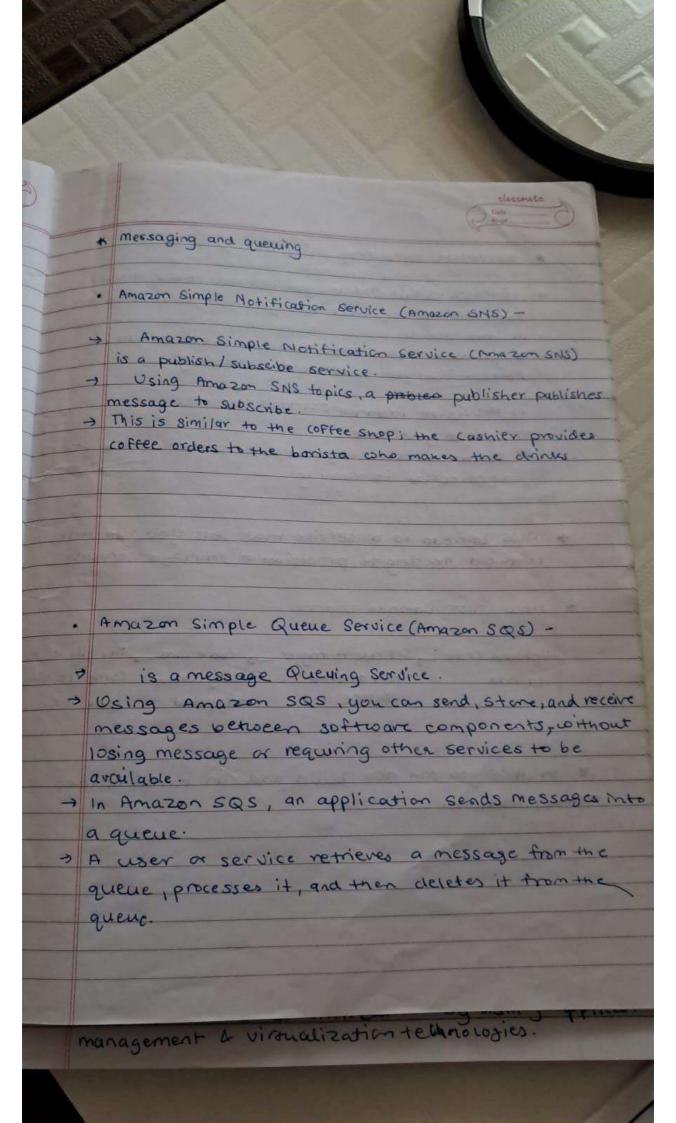
Terminates the instance.

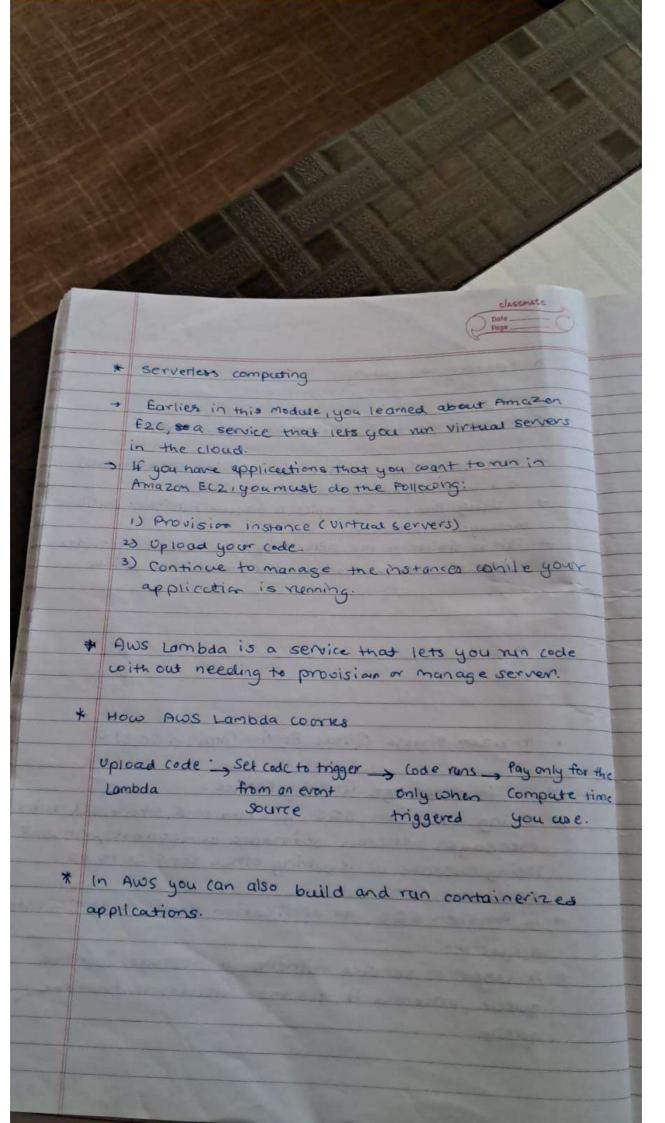
- · Purchase a new Reserved instance term, y. that matches the instance attributes (instance type, Region, tenancy and platform).
- 4) Spot Instance -

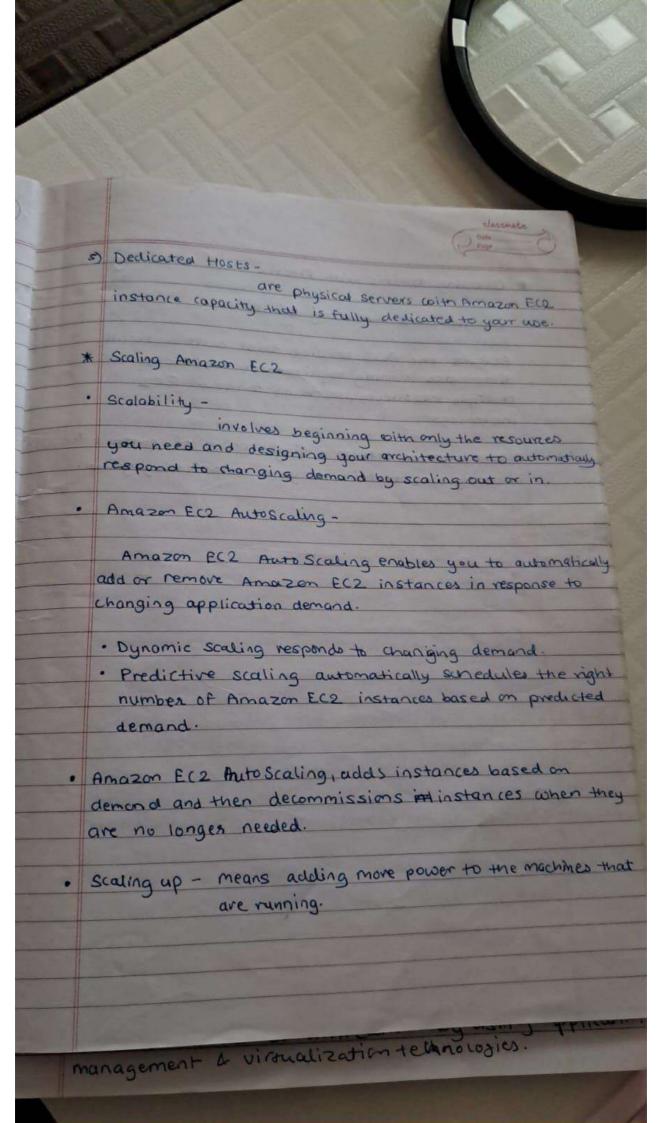
are ideal for correloads with flexible start and end times, or that can withstand interruptions. Spot instance uses unused Amazon ECZ computing capacity and and often you cost saving at up to 90% of on-Demand prices.











+ In AWS everything is done wing API calls. * AWS global Infrastructure . Selecting a Region 1) compliance with data governance and legal requirements Depending on your company a location, you might need to men your data out of specific area. Not all companies have location specific data yst * regulations, so you might need to focus more on the DE other three factors. 2) Proximity to your customors Selecting a Region that is close to your contomers will help you to get content to them faster. 3) Avoidable services within a Region 4) Pricing * Ways to interact with Aws services 1) AWS Management Console 2) AWS Commad Line Interface (CLI) - makes API rails withy the terminal on your machine. 3) Software Development Kits

