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	CC Practical Assignment - 1  Kirti Jadhav
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	The second secon
Alua	Case Study on Amazon Eco and learn about Amazon
A(17) -	EC 2 web services.
	EC 2 WEB SCIVICES
+h a an	- Amazon Elastic compute cloud (Ec2) provides
Theory	scalable computing capacity in Amazon web services
	cloud. Using Amazon Eco eliminates your need to
~	invest in hardware upfront, so you can develop and
	deploy applications faster.
	You can at use Amazon Ecz to launch as many as Few
	virtual servers as you need, configure security and
	networking and manage storage.
	Amazon Eco enables you to scale up or scale down
100000	your cloud resources and services.
	suprincipate chasen aredonnous
	* Instances - 3500 to 150 150 150 150 150 150 150 150 150 150
	virtual computing environments are known as instances.
0	Pre-configured templates for the instances known as
	Amazon machine images that package the you
20	need for your instances.
	various configurations of CPU memory storage, networking
113010	capacity and other services are possible using instances
	Secure login information are required for your instances.
983	We can use metadeta known as tags that you can
	create and assign to your Amazon IEC2 resources.
	It allows multiple physical location for our resources
	such as regions and adversary zones.

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\* Creating an Eco Instance -

The following steps are taken to create and lownch an Ecz instance manually.

- 1) Create credentials that you want to assign to the Ecz instance.
- 2) Choose an Amazon Machine Image (AMI)
- 3) Choose an Instance type.
- 4) Configure Instance Retails such as network and storage.
- 5) Add labels on tags for identifying for your Ecz instances.
- 6) Configure firewall (called security group) as appropriate.
- 7) Review and launch the Ecz instance.
- 8) Once the Ecz instance is created, you can connect to it using the chosen credentials.
- 2 Let us see the detailed procedure for each of these.

1) Create credentials -

- i) Go to AWS console, choose Ecz service and the region in which you want to create the key pair for launching instances. Click the key pairs in the navigation menu.
- ii) click on Great key pair. Provide key pair name and click on create.
- downloads the private key.

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- 2) Creating an instance
  - is choose an AMI
  - ii) Choose an instance type (t2. micro)
  - in) Configure Instance details
  - iv> Add storage Free Her defaults
  - v> Add tags to add Identification information as metal properties of the instance,
  - vi> Configure security group carefully add firewall rules for the instance. Firewall requirements would vary based on your scenario.
  - vii) Review instance launch.
  - os running. You can click on connect to specify the key pair and connect to the instance.
  - \* Amazon Ec2 use cases -
    1) Hosting environment One of the uses of Ec2 is

    hosting a variety of applications, software and websites

    on the cloud users are even hosting games on the

    cloud, turning servers on and off when needed.
    - Development and test environment The scalable nature of Ec2 means that the organisations, now have the ability to create and deploy large scale testing and development environment with unprecendental scale.

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3) Backup and disaster recovery - Companies are leveraging Ec2 as a medium for performing disaster recovery for both active and passive environments, with Amazon Ec2 business have access to Faster follower with minimal adountine for apps.

## \* Amazon Eco - web service

It is the collection of remote computing resources/ services also called as web services, that makes the up a cloud computing platform. The most central and well known of these services are Amazon Eco & S3. The service capacity is much faster and cheaper than building a physical server.

- \* Benifits of AWS
  - i) It does not require any hardware writ.
  - ii) It is easily scalable
  - III) It is pay as per use platform.
  - iv) Since it is Igas cloud model, use have complete ?

conclusion - Amazon Ecz instance has been created and launched.