End Semester Examination Y. Santhi Swarup

18BEC051 Cloud Computing - CS360

18BECOSI ECE

The Ecz Stopped indicates That an instance is Shutdown and can't be used. Basically, "it's using an instance, but you will need it later. And also when we stop an ECz instante, The Instance will be Shuldown and The Virtual Mochine that was provisioned dor you will be permanently taken away and you will no longer be charged For instance usage. And terminate it when we no longer use That Instance.

To recover access to ANS Ecz "instance after losing a Keypour

-> father Config. detaill of The original instance.

> Power off the original Ecz instance of which you want to regain accerd.

-> launch new (recovery) sustance and general e a new key pair.

) Login via pph to The new recovery instance.

> Detach The primary Ebs volume from original Instance.

>. Attach the previously detached volume to The new "NATaver.

-> copy the authorized large from recovery instance to The mounted volume.

- -> NOW, un mount target volunce from recovery instance and reattach back to original instance using configs. Noted earlier.
- -> Start the original gustance and login with Carronraly. new key pair.
- -> Now Delete temporary, rinstance.

Now, This proces requires a Stop & start of your AWA INSTANCE and This "It can be only be done on an EBS backed Instance. If it's not possible go The 'voot device type' but The value to The Lebs' then you have on abd backed Instance and you Can proceed. Auturo1.

(4) Example:

BUCKet Name: Swaryp

Region: eu-west-3 and Ws-east-1

- -> Create a bucket.
- -> Enable website hosting.
 - -> Select your bucket That you want to · Choose to bost a website. my case: swarup.
 - -) click on properties tab.
- -> Chuc on option ' Static website hosting" and Then Choose "use this bruket to host a website"
- > Index documents & tolders, where it & contains web page which appears when a user grequest the home UPL.

Ex: https://example-Sample-domain-com/.

(1) -> Next Configuring errors -> you can consigure the error page at the time of enabling The State website hosting >But for austom envor pages you can bet reducation rules. 1. 301 - moved permanantly. 2. 403 - Access Forbiddem. 3. 500 - Service error. 4. 503- Service not available. etc. > Next. Website acces permission. For That Copy & paste The code d " vellian": 2019-02-15", "Statement": [{ " sid " : " Allow public Read", "Ejjet": "Allow", "principal": d "AW 5": "# "79. "Action": "Sz: Get object", "Resource": 'arn: aws: ss: :: journalder/+ " **֏ 7** }. > Next Traffic legging. Its typically The HTTP acus ligs. > to to bucket > proper is > serveraceus legging -> target bud . lie, Dwarp -> Save.

Then powered Them.

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(6) DD 03 (Distributed denail of Service). attacks are sometimed whed by malicious wars in an attempt to prood a network, system, or application with none traffic.

So, Now in case of XYZ pool, is Creating

multiple sensions and denics access to other Legithmate users who can't access the service.

So, To minimise this the XYZ used to protect the web application against post attacks, for that XYZ use should use Ans sheild, a post protection benvice that Aus provides automatically to all Aus austomers at no additional charge. Even XYZ should also use Elastic load Balancing (ELB) allows you to use achieve greater fault tolorance by automatically vouting in bound trappic across multiple Amazon Ecz instances. It allows you to reduce you attack surjace by receiving requests on behalf of web application of automatically requests on behalf of web application of automatically Acoling to handle capacity demands. Even the eage provides and doo help this.

(3) Amazon cloud watch Service allows user to create.

oustom graphical views/ which will display netvices

as per user monistoring needs.

Bit can also create alarmy and take actions based on

In This example you weate a simple the wing is Anazon Api Gateway. An Assason Api Garecray is a Collection of resources and mithods. In This excare integrating java based Anis lamblagh. with Aus API arewy using postmented (for this we have to server an resource Dynamobs manyer). And this natural is backed by lambda from -> The post netword on the Ognaneops manages resource supports n DB operations. 1. Creour, uplate q delete an item. 2. Read an item. 4. And Ther operation not related to DB for testing. g. Scan an item. -> Create an IAM and execution vole + No the Amazon Resource Name (ARN) of the execution vole for later use. -> Create a lambdafn' (java'):--> Create a Sample code and deployment package. -> NOW for the vole promotor, ent of the ARN role of the execution role that you created earlied. -> Test The lambda for was by deploying the Sample bode. -> Create an API using Amazon API hoteray. -> Create an API -, Crease a resource in the API a Now line The populatiops manger to resource -> Now exert a post nethod/purnithed on the pyrome Do monager resource in the API. was specify the word for the -- authorization to parameter, which means that unauthenticated vapores is

for this nethod are supported. -> Now set the Combde for as the distinction for This post/put nuetrod. Then deploy the API and Grant grocke parmissions -> Now first the dynamods table to trigger The for with roow, you are ready to lead on HTTP request to the an HTTP request. post nuthod endpoint. The lambda on Supports using The Create operation to create on item in the bynamoDB table. Inthis the major meps are. -> creating DO table Croanting on 1Am Role. - Ciroting on lambda fr. > Creating on API Gateway -> Resource -> merhod. (5) Various modes of accussing Ans cloud. -> AWS CH (Command line interface) -> Aws Contole -> AWS SDK. (bootware development rit) Amazon 'Aws CLI' Through Command line Interface we can access to The cloud bervices. Through commands we can just launch our insta buckers, tables, Jo's etc. with the help of This just o tool to download & configure and also you central murtiple things like installing, updating exc

AWS Console: It's an management console brings the unmatched breadth, and depth of Aws vigul to your computoror phove with a secure and easy to acress and also monage all the things which are going/running on AWS Sdk: -It's an popular integrated divolopment onvivonment CIDE 1) to outher, debug, develop and deploy your Code on Aws. It's also used for developing various kind of developments on ett, Javapeript, PHP etc. and also wring trus can easily non our codes on cloud and also sorteurs. and ison de lambdahandle (evint, Context): #ToDO implement a = (name 1) input; d= input (name 8); b = (name 2) iput; if (c = a) dor & in rorge (1,10) K=1 K=K+i retur k; elsely (C=d) print ("welcome", d); Ohe

return of 18200, I had will it an obraval Itela transaction 1/12 Scanned with CamScanner

Print (" wro of input");