Assignment Day 3 and 4 | 5th October 2020

For any doubts regarding the assignment, ask questions in the AWS Group in the Community.
Submit Assignments by 9th October 2020 11:59 PM.

Assignment Submit Form: https://forms.gle/Hgkz3CoTcUr5KA689

Submit assignments in Appropriate Dropdowns.

PROJECT 1:
Deploying a web server in Windows instance

Task 1:Create a windows instance using AMI: Windows 2012 R2 base

Task 2:Launch the Windows instance using RDP

Task 3:Install IIS web server using Powershell ISE
Note: Simply copy the command below and paste in the PowerShell ISE to install the IIS web server.
!!!!Powershell is case sensitive.
Install-WindowsFeature -name Web-Server -IncludeManagementTools

Task 4:Verify successful installation of IIS Web Server
Note: You should be able to see the Internet Information Services Web page when you paste the public IP into the browser.

PROJECT 2:
Deploying a web server in Windows instance

Task 1:Create a windows instance using AMI: Ubuntu Server 18.04 LTS (HVM)

Task 2:Download and install MobaXterm Portable Edition

Task 2:Launch the Ubuntu instance using SSH

Note: Username is ubuntu

Task 3:Install Nginx web server using bash
Note: Simply copy the command below and paste in the bash to install the Nginx web server.
sudo apt-get -y update
sudo apt-get -y install nginx

Task 4:Verify successful installation of ngnix
Note: You should be able to see the Welcome to ngnix Web page when you paste the public IP into the browser.

PROJECT 3:
Working with volumes

1:Create a windows machine
2:Create a volume in the same region as the windows machine
3:Attach the volume to the windows machine
4:From server manager bring the volume online
5:Once the ebs is online create a new volume
6:Check if the volume is mounted successfully
7:Try modifying the volume config
8:Delete the volume

PROJECT 4:
Working with Elastic IP's

Step1: Install an Apache Server
        Switch to the root user
        sudo -s
Step2: Now run the updates using the following command:
        yum -y update
Step3: Once completed, let's install and run an apache server

Step1: Install the Apache webserver:
        yum install httpd
        When prompted, press "Y" to confirm.
Step2: Start the webserver
        systemctl start httpd

Step3: Now enable httpd:
      systemctl enable httpd
Step4: Check the web server status
      systemctl status httpd

You can see the active status is running.

You can test that your web server is properly installed and started by entering the public IP address of your EC2 instance in the address bar of a web browser. If your web server is running you will see the Apache test page. If you don't see the Apache test page, then verify whether you followed the above steps properly and check your inbound rules for the security group that you created.

PROJECT 5:
Working with S3
a.working with S3-.jpg
b.static web hosting
c.Versioning

QUESTION 1:
Explain life cycle effects on instances:Stop,start,reboot,terminate-public IP,Private Ip,Applications installed.

FAQs

Q. What needs to be uploaded?

    A.   1. Pages of ALL instances

           2. Public ids of all instances

           3. Web Server pages of all instances

Q. How to upload an assignment?

    A.   1.Take the screenshots

           2.Upload the screenshots in day wise folders in the drive or GitHub

           3.Share the link in the google form.

Q. When do I submit the Assignments and how?

    A. The assignments for the week should be submitted by Friday 11:59 PM IST. You can use

Q. Where do I get class links for the next session?

    A. All sessions will be Live on the Learning Management System. It will be also updated in the Community Group in the pinned post.

Q. I have some doubt, who do I ask?

    A. (a) Post your Queries on the community, someone will help you out.