

Lab 1

In this introductory Lab, student will create AWS account and learn how to access AWS services (i.e., EC2 and S3) using AWS console and command line interface (CLI).

Objective:

In this lab, you will learn to:

- Create AWS account.
- All possible way to access AWS services that means to navigate the AWS Management Console (Familiarity of AWS Account, Billing, cost Dashboard, cost explorer, etc.)
- Launch the window EC2 Instance and connect using RDP and review all instance properties.
- Work on AWS CLI.
- Run and configure an IIS webserver and make static html webpage for the shake for familiarity.
- Launch the Linux EC2 Instance and connect using PuTTY and review all instance properties.

Please note that after performing each lab task, take the snapshots of all performed and create a merged doc/pdf of your enrolment number_lab01 (Ex: E18CSE072_Lab01) and upload the file on LMS.

Lab Activities:

Task 1: Create AWS Free Tier personal account by following the given link:

<https://aws.amazon.com/free/?all-free-tier.sort-by=item.additionalFields.SortRank&all-free-tier.sort-order=as>

Task 2: Review the AWS services and Account, Billing, cost Dashboard, cost explorer, etc.

(Stay at least up to 15 minutes on this activity)

Task 3: Launch, connect and Install EC2 IIS webserver and Create a static html web page

<http://fredericpaladin.com/kb/aws-ec2-instance-with-windows-server-iis-web-server/>

Task 4: Working with AWS command line and perform Start, Stop and Terminate EC2 Instance using CLI.

<https://docs.aws.amazon.com/cli/latest/userguide/cli-services-ec2-instances.html>

<https://www.youtube.com/watch?v=u4ul8mUwNIo>

Task 5: Use of Simple Storage Service (S3), by creating AWS S3 bucket and Interact with AWS S3 service using AWS CLI. (Desirable tasks to be performed make bucket, remove bucket, upload object into bucket and explore all the bucket properties.)

Task 6: Launch, the AWS Linux instance and connect it using PuTTY.

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/putty.html>

https://www.youtube.com/watch?v=bi7ow5NGC-U&ab_channel=LinuxAcademy

To know more about the IIS web server:

[https://docs.microsoft.com/en-us/previous-versions/windows/it-pro/windows-server-2012-r2-and-2012/hh831725\(v=ws.11\)](https://docs.microsoft.com/en-us/previous-versions/windows/it-pro/windows-server-2012-r2-and-2012/hh831725(v=ws.11))