

You should save/rename this document using the naming convention **LabX-MUId.docx** (example: Lab11-johnsok9.docx).

Objective: The objective of this exercise is to:

1. Comprehend and learn the AWS infrastructure
2. Create AWS account
3. Create and configure Ec2 instance
4. Update Linux Configurations
5. Load Linux, Apache, and PhpAdmin

Submit: screenshots, your html file and a link to your web page

You **may** discuss this with your fellow students or the instructor.

Name:

Part #1: Sign up with AWS Academy (Slides 1-11)

Estimated time: 5-15 minutes

Exercise:

Verify your AWS Academy account and sign into the AWS console.

Part #2: Configure Keypair (Slides 12-16)

Estimated time: 5-15 minutes

Exercise:

Create new rsa key on ceclinux (if required) and assign it to your ec2 configuration.

Note: This the key must be created on ceclinux and them imported into AWS.

Part #3: Launch EC2 Instance (Slides 17-23)

Estimated time: 30-60 minutes

Exercise:

- Create the EC2 instance
- Configure it as Amazon Linux on a t2 micro instance
- Configure the keypair access (allows ssh as user ec2-user)
- Configure the firewall (ssh, http, https)

Part #4: Configure Operating System (Slides 24-31)

Estimated time: 15-60 minutes

Exercise:

- Update the system software
- Install web server
- Install database manager
- Configure database manager
- Configure Dynamic DNS

SUBMIT:

- Screenshot
 - Slide 24 (show your instance with IP)
 - Slide 25 (showing login from ceclinux)
 - Web server test (slide 29)
 - Database Admin test (slide 30)
 - Dynamic DNS configuration (slide 31)
- Link
 - Link to web site (with updated web page) (Must use dynamic dns name)
 - Link to Database Admin (Must use dynamic dns entry)