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Creating an Application Load Balancer and Auto Scaling Group in AWS




Level: **Intermediate**

[Amazon EC2](#) [Amazon Web Services](#) [Elastic Load Balancing](#) [Amazon EC2 Auto Scaling](#)

Required Points	 10
Lab Duration	01:30:00
Average Start time	Less than a minute

Start Lab →



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Lab Overview

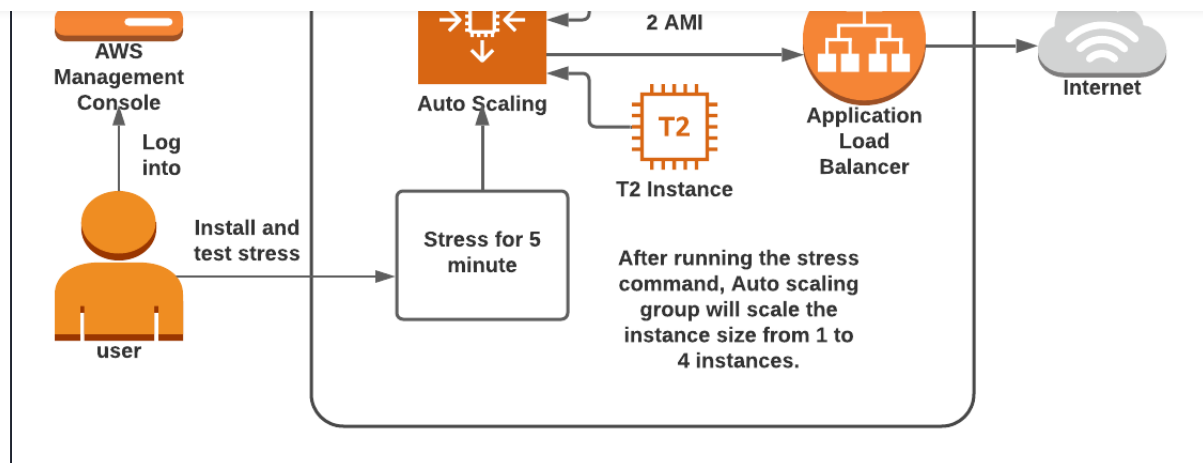
-  Cloud Architect
-  Compute

Lab Details

1. This lab walks you through the steps to create and configure an Amazon EC2 Auto Scaling with Launch templates using the AWS Management Console.

2. You will practice using Amazon Machine Image (AMI) to launch Amazon EC2 Instances using Launch templates and will use key pairs for SSH authentication to log into your instance.
3. You will create a web page and publish it.
4. Duration: **90 minutes**
5. **AWS Region: US East (N. Virginia) us-east-1**

Architecture Diagram



Task Details

1. Sign into AWS Management Console
2. Create a Security Group for the load balancer
3. Create a Security Group for Launch template
4. Create a Key Pair for the Launch template
5. Creating a Launch template
6. Creating the Load Balancer
7. Create an Auto Scaling Group
8. SSH into EC2 Instance
9. Install the stress
10. Test Auto Scaling Group

11. Validation of the lab

12. AWS Resource Deletion

Launching Lab Environment

1. To launch the lab environment, Click on the **Start Lab** button.

2. Please wait until the cloud environment is provisioned. It will take less than a minute to provision.

3. Once the Lab is started, you will be provided with **IAM user name**, **Password**, **Access Key**, and **Secret Access Key**.

Note : You can only start one lab at any given time

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