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Configure Application Auto Scaling using Target Tracking policy in ECS

Level: **Intermediate**

Amazon Web Services

Elastic Load Balancing

Amazon Elastic Container Service

Amazon EC2 Auto Scaling

English




Required Points

 10



Start Lab →

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Lab Overview

 Cloud Architect

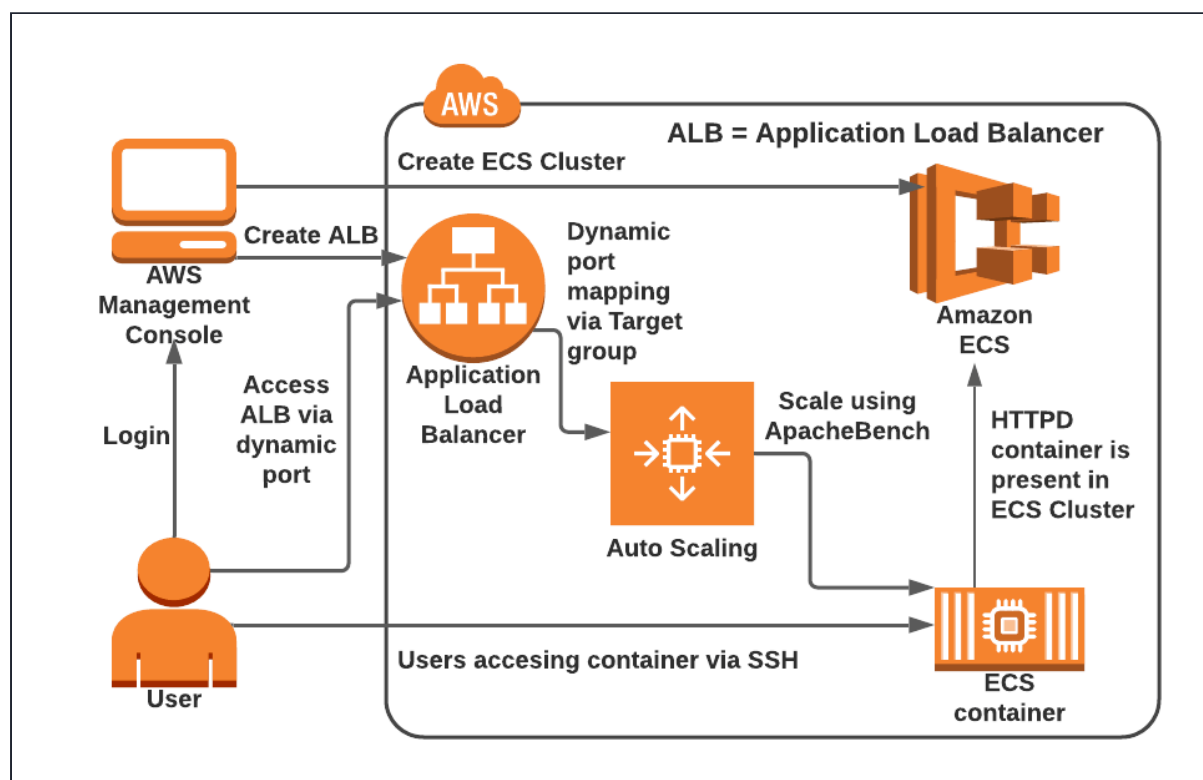
 Compute, Containers

Lab Details

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1. This lab walks you through the steps to launch, configure, and manage an HTTPD container on ECS Cluster with the application load balancer.
2. You will practice using Amazon Elastic Container Service (ECS) Cluster by creating Task definitions and Service. During the creation of the Service inside the cluster, you will select an existing Application load balancer and Target group. You will create an auto-scaling policy and trigger the scaling activity using ApacheBench(ab).
3. Duration: **90 minutes**
4. AWS Region: **US East (N. Virginia) us-east-1**

Architecture Diagram



Task Details

1. Sign in to AWS Management Console
2. Create a Security Group for the Load Balancer and ECS Cluster
3. Create a Key Pair for the EC2 instances, inside the ECS Cluster
4. Creating the Target Group and Load Balancer.
5. Launching an ECS Cluster
6. Create Task definitions.
7. Update the default security group

8. Create a Service and start HTTPD container in ECS
9. Navigate to the cluster instance
10. SSH into the underlying EC2 instance
11. Trigger scaling activity
12. Check the scaling activities on service events
13. Validation of the lab
14. Deleting AWS Resources.

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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