

AWS CloudSpace Academy Class promotion:

AWS Cloud & DevOps Engineer 2025

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Course: Autoscaling Homework

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Homework 1:

CREATE AN AUTOSCALING USING A LAUNCH TEMPLATE TO DEPLOY APACHE ON AN UBUNTU EC2

Create a launch template with a name such as MyUbuntuLaunchTemplate.

Leverage an Ubuntu Server 18.04 LTS (HVM).

Use the Apache web server configuration below:

```
#!/bin/bash
```

```
apt-get update
```

```
apt-get install -y apache2
```

```
echo "Welcome to my autoscaled website" > index.html
```

```
cp index.html /var/www/html
```

```
systemctl start apache2
```

```
Systemctl enable apache2
```

Launch template

The screenshot shows the AWS Management Console interface for the 'Launch Templates' section. The main content area displays the details for the 'MyUbuntuLaunchTemplate' (ID: lt-0984fdd9c37b0ca3a). The template is associated with the 'MyUbuntuLaunchTemplate' name, default version 1, and was created on 2025-06-25T00:17:26.000Z by the user 'arn:aws:iam::436083576844:user/Anzy_user_2025'. The 'Details' tab is selected, showing the 'Launch template version details' for version 1 (Default). The description is 'apache on ubuntu'. The 'Instance details' section shows the AMI ID 'ami-020c0a7c55df1f615', instance type 't2.micro', and security groups 'sg-06c99dfb2c9d4703'. The 'Key pair name' is 'anzy homework keypair'. The 'Actions' menu includes 'Delete template version'.

Launch Template ID	Launch Template Name	Default Version	Latest Version	Create Time	Created By	Managed	Operator
lt-0984fdd9c37b0ca3a	MyUbuntuLaunchTemplate	1	1	2025-06-25T00:17:26.000Z	arn:aws:iam::436083576844:user/Anzy_user_2025	false	-

MyUbuntuLaunchTemplate (lt-0984fdd9c37b0ca3a)

Launch template ID: lt-0984fdd9c37b0ca3a | Launch template name: MyUbuntuLaunchTemplate | Default version: 1 | Owner: arn:aws:iam::436083576844:user/Anzy_user_2025

Launch template version details

Version: 1 (Default) | Description: apache on ubuntu | Date created: 2025-06-25T00:17:26.000Z | Created by: arn:aws:iam::436083576844:user/Anzy_user_2025

Instance details | Storage | Resource tags | Network interfaces | Advanced details

AMI ID: ami-020c0a7c55df1f615 | Instance type: t2.micro | Availability Zone: | Key pair name: anzy homework keypair

Security groups: sg-06c99dfb2c9d4703

AutoScaling Group with a desired capacity of 2, minimum 1 and Maximum 4

The screenshot shows the AWS Management Console interface for the 'Auto Scaling group details' section. The main content area displays the details for the 'my ubuntu asg'. The 'Capacity overview' section shows the desired capacity of 2, scaling limits of 1-4, and the instance type 't2.micro'. The 'Launch template' section shows the launch template 'MyUbuntuLaunchTemplate', AMI ID 'ami-020c0a7c55df1f615', instance type 't2.micro', and security groups 'sg-06c99dfb2c9d4703'. The 'Network' section shows the availability zones 'us-east-1a' and 'us-east-1b', and the subnet ID 'subnet-0d1f8b1b10d8c3b8d'. The 'Instance type requirements' section shows the request for spot instances is 'No'.

my ubuntu asg Capacity overview

Desired capacity: 2 | Scaling limits (Min - Max): 1 - 4 | Instance type: t2.micro | Status: -

Launch template

Launch template: MyUbuntuLaunchTemplate | AMI ID: ami-020c0a7c55df1f615 | Instance type: t2.micro | Owner: arn:aws:iam::436083576844:user/Anzy_user_2025

Version: Latest | Security groups: sg-06c99dfb2c9d4703 | Key pair name: anzy homework keypair

Description: apache on ubuntu

Network

Availability Zones: us-east-1a, us-east-1b | Subnet ID: subnet-0d1f8b1b10d8c3b8d | Availability Zone distribution: Balanced best effort

Instance type requirements

Your Auto Scaling group adheres to the launch template for purchase option and instance type.

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#instances:

EC2 Instances (2/11) info

Find instance by attribute or tag (page-sensitive) All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4	Elastic IP	IPv6 IPs	Monitoring	Security group name	Key name
Image server 22	i-0564f8b23b041591	Stopped	t2.micro	—	View alarms	us-east-1a	—	—	—	disabled	web_sg	amazon key	anykey home
Image server 22	i-0446b3830c25485	Running	t2.micro	0/1 checks passed	View alarms	us-east-1a	13.217.225.90	—	—	disabled	web_sg	amazon key	anykey home
apache test in...	i-06c79502f8a19c35	Terminated	t2.micro	—	View alarms	us-east-1a	—	—	—	disabled	—	—	any key pair
Image server 1	i-0c32195a4e1223d	Stopped	t2.micro	—	View alarms	us-east-1a	—	—	—	disabled	web_sg	amazon key	anykey home
my-ec2-1-anc...	i-09b2af7da150380	Stopped	t2.micro	—	View alarms	us-east-1a	—	—	—	disabled	web_sg	amazon key	anykey home
my-ec2-1-anc...	i-0f460c1768d3769a	Stopped	t2.micro	—	View alarms	us-east-1a	—	—	—	disabled	web_sg	amazon key	anykey home
my ubuntu in...	i-08b70c576d6502d	Terminated	t2.micro	—	View alarms	us-east-1a	—	—	—	disabled	—	—	anykey home
Image server 2	i-006309b37f7319942	Stopped	t2.micro	—	View alarms	us-east-1b	—	—	—	disabled	web_sg	amazon key	anykey home
Image server 2	i-006309b37f7319942	Stopped	t2.micro	—	View alarms	us-east-1b	—	—	—	disabled	web_sg	amazon key	anykey home
Image server 2	i-006309b37f7319942	Stopped	t2.micro	—	View alarms	us-east-1b	—	—	—	disabled	web_sg	amazon key	anykey home
Image server 2	i-006309b37f7319942	Stopped	t2.micro	—	View alarms	us-east-1b	—	—	—	disabled	web_sg	amazon key	anykey home
Image server 2	i-006309b37f7319942	Stopped	t2.micro	—	View alarms	us-east-1b	—	—	—	disabled	web_sg	amazon key	anykey home
Image server 2	i-006309b37f7319942	Stopped	t2.micro	—	View alarms	us-east-1b	—	—	—	disabled	web_sg	amazon key	anykey home
Image server 2	i-006309b37f7319942	Stopped	t2.micro	—	View alarms	us-east-1b	—	—	—	disabled	web_sg	amazon key	anykey home
Image server 2	i-006309b37f7319942	Stopped	t2.micro	—	View alarms	us-east-1b	—	—	—	disabled	web_sg	amazon key	anykey home
Image server 2	i-006309b37f7319942	Stopped	t2.micro	—	View alarms	us-east-1b	—	—	—	disabled	web_sg	amazon key	anykey home
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