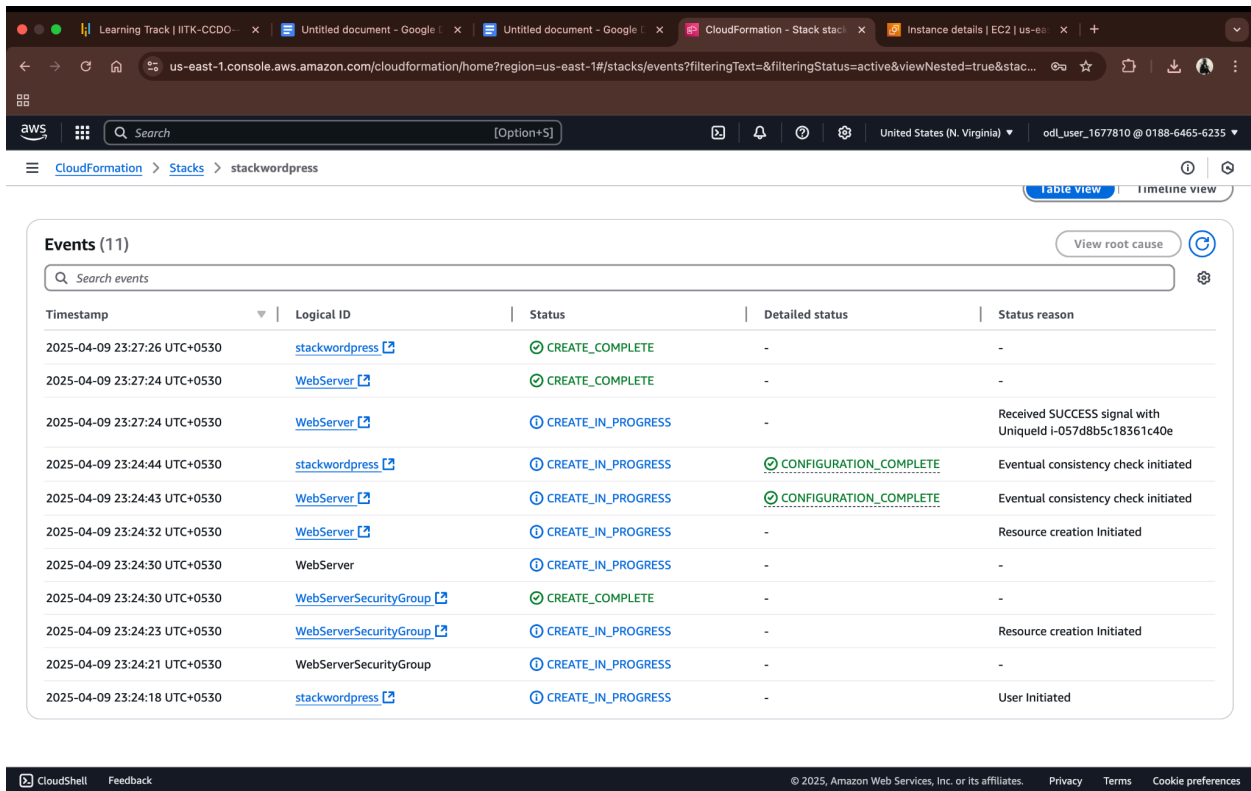


# Screenshot file

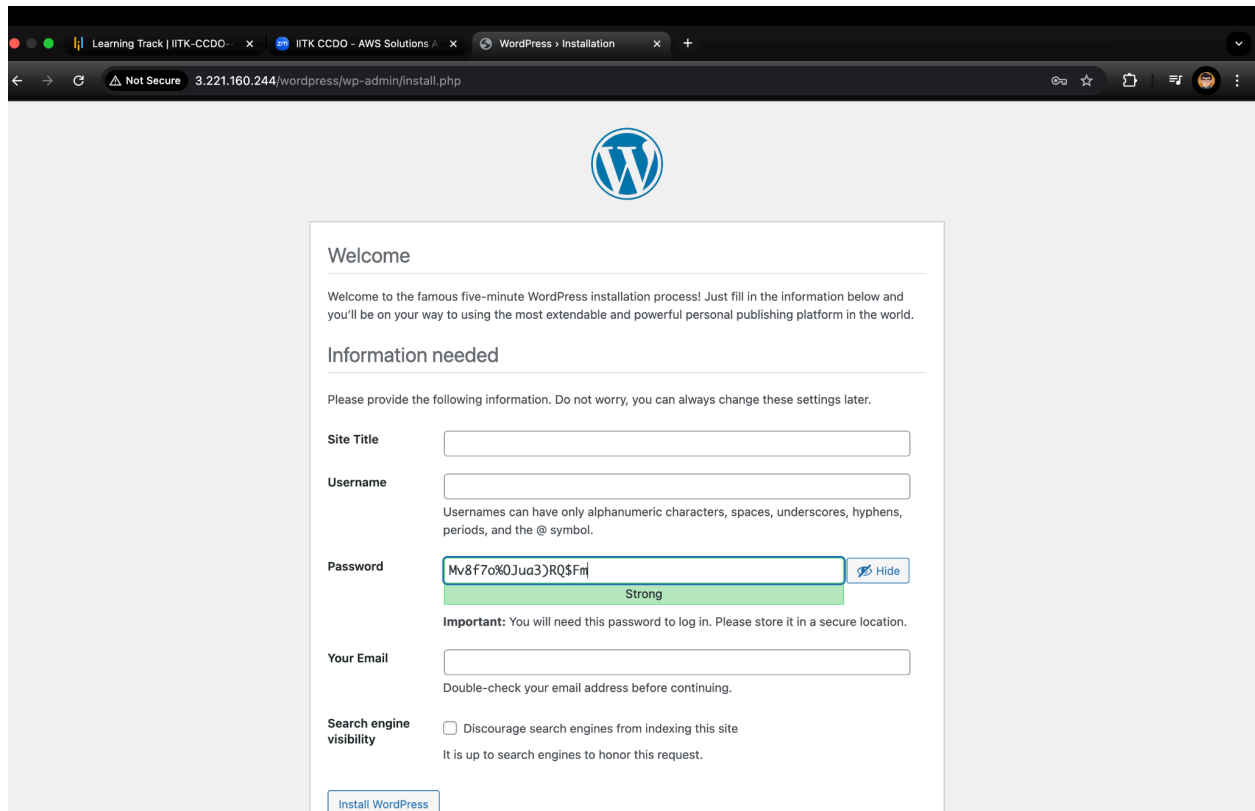
## Project :Set Up and Monitor a WordPress Instance

### Step 1 :Set up a live WordPress instance to publish blogs



**Step2 :** Set up a WordPress instance that can be used for development and testing purposes so that any work done on this instance will not impact the live blog

After completing cloud formation open EC2 in AWS then click on instances copy public url



The screenshot shows a web browser window with the address bar displaying "3.221.160.244/wordpress/wp-admin/install.php". The page features the WordPress logo at the top center. Below the logo, a "Welcome" message states: "Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world." The "Information needed" section prompts the user to provide the following details, noting that settings can be changed later:

- Site Title:** A text input field.
- Username:** A text input field with a note: "Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol."
- Password:** A text input field containing "Mv8f7α%0Jua3)RQ\$Fm". A "Hide" button is to the right. Below the field is a green strength indicator labeled "Strong". An important note states: "Important: You will need this password to log in. Please store it in a secure location."
- Your Email:** A text input field with a note: "Double-check your email address before continuing."
- Search engine visibility:** A checkbox labeled "Discourage search engines from indexing this site" with a note: "It is up to search engines to honor this request."

At the bottom left, there is a blue button labeled "Install WordPress".

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#instanceDetails:instanceId=i-057d8b5c18361c40e

aws [Search] [Option+S] United States (N. Virginia) odt\_user\_1677810 @ 0188-6465-6235

EC2 > Instances > i-057d8b5c18361c40e

### EC2

- Dashboard
- EC2 Global View
- Events
- ▼ Instances
  - Instances
  - Instance Types
  - Launch Templates
  - Spot Requests
  - Savings Plans
  - Reserved Instances
  - Dedicated Hosts
  - Capacity Reservations
- ▼ Images
  - AMIs
  - AMI Catalog
- ▼ Elastic Block Store
  - Volumes
  - Snapshots
  - Lifecycle Manager
- ▼ Network & Security
  - Security Groups

### Instance summary for i-057d8b5c18361c40e

Updated less than a minute ago

<b>Instance ID</b> i-057d8b5c18361c40e	<b>Public IPv4 address</b> 3.221.160.244   <a href="#">open address</a>	<b>Private IPv4 addresses</b> 172.31.10.208
<b>IPv6 address</b> -	<b>Instance state</b> Running	<b>Public IPv4 DNS</b> ec2-3-221-160-244.compute-1.amazonaws.com   <a href="#">open address</a>
<b>Hostname type</b> IP name: ip-172-31-10-208.ec2.internal	<b>Private IP DNS name (IPv4 only)</b> ip-172-31-10-208.ec2.internal	<b>Elastic IP addresses</b> -
<b>Answer private resource DNS name</b> -	<b>Instance type</b> t3.small	<b>AWS Compute Optimizer finding</b> Opt-in to AWS Compute Optimizer for recommendations.   <a href="#">Learn more</a>
<b>Auto-assigned IP address</b> 3.221.160.244 [Public IP]	<b>VPC ID</b> vpc-00c33c0f8aec4688c	<b>Auto Scaling Group name</b> -
<b>IAM Role</b> -	<b>Subnet ID</b> subnet-091e8b3fc2ab1e28c	<b>Managed</b> false
<b>IMDSv2</b> Optional ⚠ EC2 recommends setting IMDSv2 to required   <a href="#">Learn more</a>	<b>Instance ARN</b> arn:aws:ec2:us-east-1:018864656235:instance/i-057d8b5c18361c40e	
<b>Operator</b> -		

[Details](#) | [Status and alarms](#) | [Monitoring](#) | [Security](#) | [Networking](#) | [Storage](#) | [Tags](#)

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Copy the public url /wordpress then we can open the above wordpress page

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

aws

Search

[Option+S]

United States (N. Virginia)

odl\_user\_1677810 @ 0188-6465-6235

EC2 > Key pairs

Dedicated Hosts

Capacity Reservations

▼ Images

AMIs

AMI Catalog

▼ Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

▼ Network & Security

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

▼ Load Balancing

Load Balancers

Target Groups

Trust Stores

▼ Auto Scaling

Auto Scaling Groups

Key pairs (1/1) Info

Find Key Pair by attribute or tag

Actions

Create key pair

Find Key Pair by attribute or tag

<input checked="" type="checkbox"/>	Name	Type	Created	Fingerprint	ID
<input checked="" type="checkbox"/>	projectkeypair	rsa	2025/04/09 23:18 GMT+5:30	6b:25:20:6d:c4:b4:7d:a8:68:ea:03:...	key-032b1a43b1d59d97d

Get help

CloudShell

Feedback

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## Welcome

Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.

## Information needed

Please provide the following information. Do not worry, you can always change these settings later.

Site Title	<input type="text" value="Sample-project-blogs-org"/>
Username	<input type="text" value="admin"/> <small>Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.</small>
Password	<div><input type="password" value="admin@aws123"/><input type="button" value="Hide"/></div> <div>Medium</div> <p><b>Important:</b> You will need this password to log in. Please store it in a secure location.</p>
Your Email	<input type="text" value="wordpress.blog@gmail.com"/> <small>Double-check your email address before continuing.</small>
Search engine visibility	<input type="checkbox"/> Discourage search engines from indexing this site <small>It is up to search engines to honor this request.</small>

[Install WordPress](#)



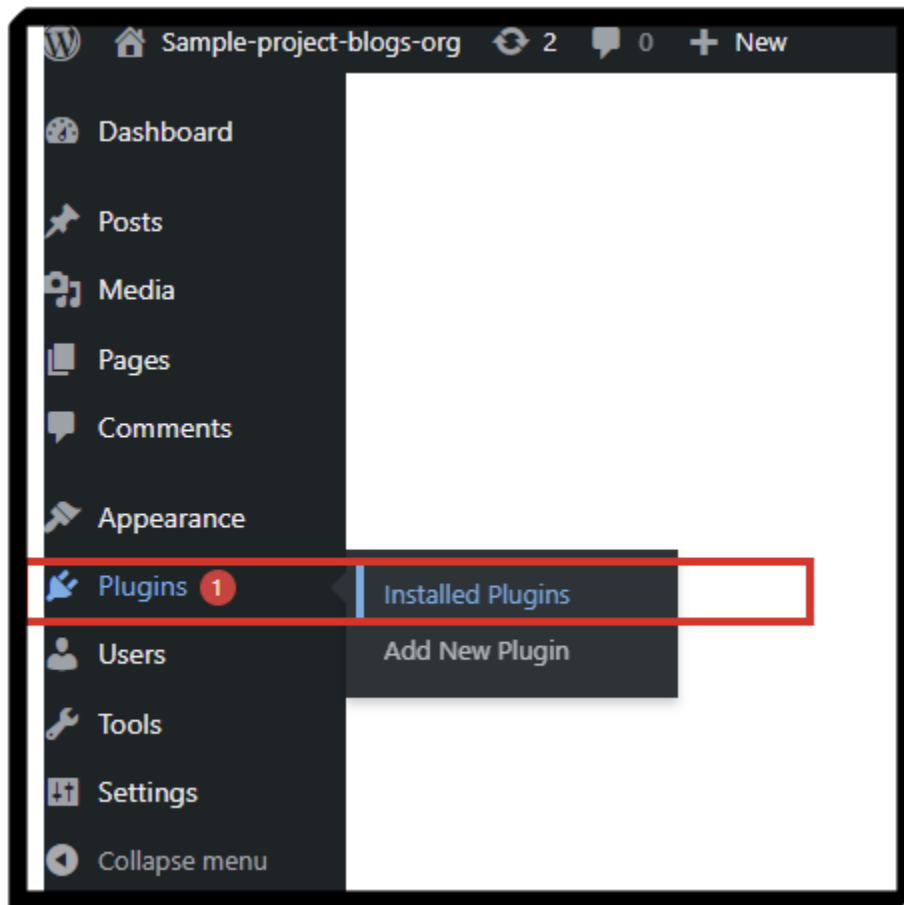
# Blog

Hello world!

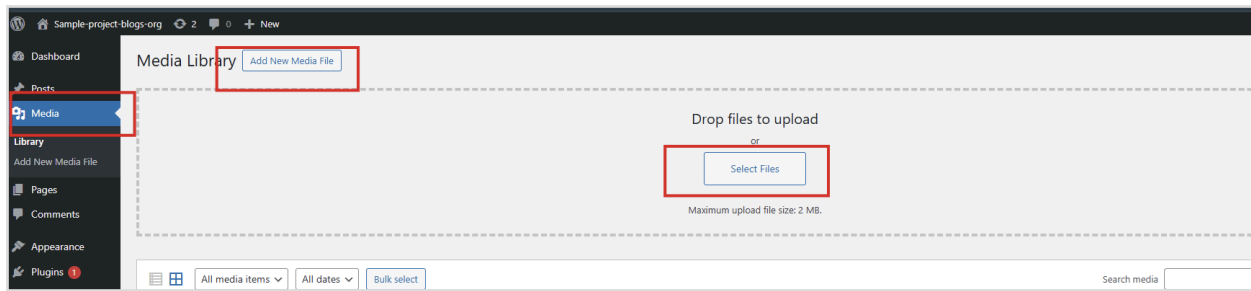
Welcome to WordPress. This is your first post. Edit or delete it, then start writing!

April 4, 2025

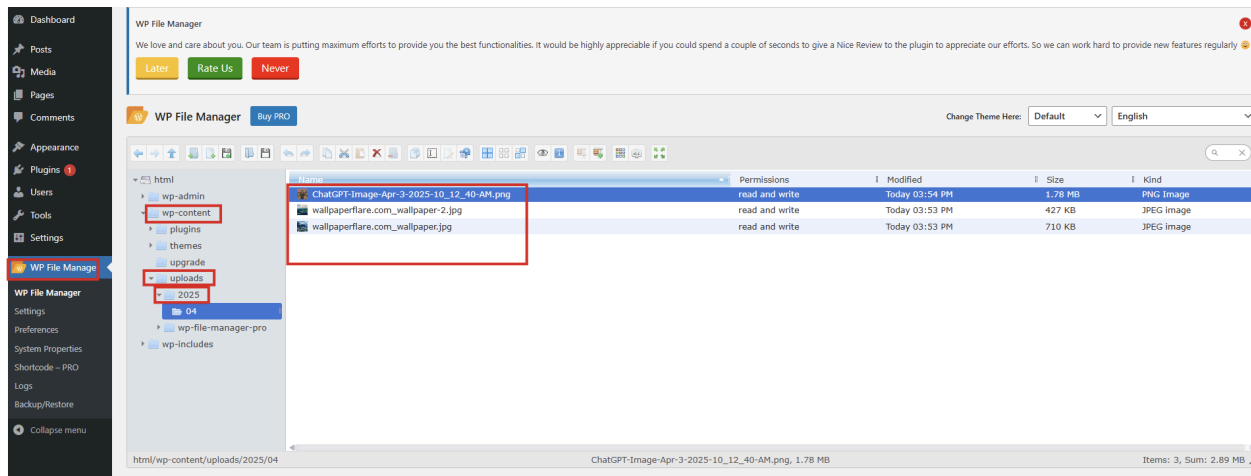
you are being asked to create a *safe copy* of a WordPress website where you can try things out — like adding plugins, changing designs, or testing code — without messing up the real website that people use.that is step 2



Lets try uploading few images to our wordpress media and create a blog.



We have successfully created a blog and upload the media to S3 bucket. You view the media in AWS S3 bucket and File manager from wordpress plugins as well.



**Step 3:** Configure the WordPress instance for development and testing purposes, which will be available only during the business hours (9 AM–6 PM)

Create an AMI of the Wordpress instance.  
go to EC2 instance dashboard and create an image.

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

EC2 > Instances

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status check	Alarm state
	i-057d8b5c18361c40e	Running	t3.small	3/3 checks passed	View alarm

Actions

- Connect
- View details
- Manage instance state
- Instance settings
- Networking
- Security
- Image and templates
- Monitor and troubleshoot

Create image

Create template from instance

Launch more like this

i-057d8b5c18361c40e

Details Status and alarms Monitoring Security Networking Storage Tags

▼ Instance summary Info

Instance ID  
i-057d8b5c18361c40e

IPV6 address  
-

Hostname type  
IP name: ip-172-31-10-208.ec2.internal

Public IPv4 address  
3.221.160.244 | open address

Instance state  
Running

Private IP DNS name (IPv4 only)  
ip-172-31-10-208.ec2.internal

Private IPv4 addresses  
172.31.10.208

Public IPv4 DNS  
ec2-3-221-160-244.compute-1.amazonaws.com | open address

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateImage:instanceId=i-057d8b5c18361c40e

EC2 > Instances > i-057d8b5c18361c40e > Create image

## Create image Info

An image (also referred to as an AMI) defines the programs and settings that are applied when you launch an EC2 instance. You can create an image from the configuration of an existing instance.

Instance ID  
i-057d8b5c18361c40e

Image name  
mvp wordpresinstance  
Maximum 127 characters. Can't be modified after creation.

Image description - optional  
Image to host an instance in EC2  
Maximum 255 characters

☒ Reboot instance  
When selected, Amazon EC2 reboots the instance so that data is at rest when snapshots of the attached volumes are taken. This ensures data consistency.

Instance volumes

Storage type	Device	Snapshot	Size	Volume type	IOPS	Throughput	Delete on termination	Encrypted
EBS	/dev...	Create new snapshot fr...	8	EBS General Purpose S...	100		<input checked="" type="checkbox"/> Enable	<input type="checkbox"/> Enable

Add volume

During the image creation process, Amazon EC2 creates a snapshot of each of the above volumes.

Go to AMI dashboard and wait for AMI changes from pending to available



Go to AMI dashboard and wait for AMI changes from pending to available

Amazon Machine Images (AMIs) (1/1) Info

Owned by me Find AMI by attribute or tag

Status = pending Clear filters

Name	AMI name	AMI ID	Source	Owner	Visibility
mvp wordpressinstance	ami-03fae5bb882c53559	018864656235/mvp wordpressinstance	018864656235	Private	

AMI ID: ami-03fae5bb882c53559

Details Permissions Storage Tags

Property	Value
AMI ID	ami-03fae5bb882c53559
Image type	machine
Platform details	Linux/UNIX
Root device type	EBS
AMI name	mvp wordpressinstance
Owner account ID	018864656235
Architecture	x86_64
Usage operation	RunInstances
Root device name	/dev/xvda
Status	Pending
Source	018864656235/mvp wordpressinstance
Virtualization type	hvm
Boot mode	-
State reason	-
Creation date	2025-04-09T18:57:43.000Z
Kernel ID	-

Create the launch template and select the template in the autoscaling group.

Choose instance launch options

Step 3 - optional

Integrate with other services

Step 4 - optional

Configure group size and scaling

Step 5 - optional

Add notifications

Step 6 - optional

Add tags

Step 7

Review

Name

Auto Scaling group name

Enter a name to identify the group.

Wordpress-autoscaling

Must be unique to this account in the current Region and no more than 255 characters.

Launch template Info

For accounts created after May 31, 2023, the EC2 console only supports creating Auto Scaling groups with launch templates. Creating Auto Scaling groups with launch configurations is not recommended but still available via the CLI and API until December 31, 2023.

Launch template

Choose a launch template that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups.

wordpress-template

Create a launch template

Version

Default (1)

Create a launch template version

Description

AMI ID

ami-0db917b898191af3

Key pair name

WP\_keypair

Launch template

wordpress-template

lt-0dae8e53e3c7b1666

Security groups

Security group IDs

sg-0e5094697cb34e719

Instance type

Request Spot Instances

No

Additional details

Select the maximum Cpu's and Memory for the autoscaling group and default setting and proceed.

EC2 > Auto Scaling groups > Create Auto Scaling group

Step 1 - optional  
Step 2 - optional  
Step 3 - optional  
Step 4 - optional  
Step 5 - optional  
Step 6 - optional  
Step 7 - optional  
Review

### Instance type requirements Info

You can keep the same instance attributes or instance type from your launch template, or you can choose to override the launch template by specifying different instance attributes or manually adding instance types.

☒ **Specify instance attributes**  
Provide your compute requirements. We fulfill your desired capacity with matching instance types based on your allocation strategy selection.

☐ **Manually add instance types**  
Add one or more instance types. Any of the instance types may be launched to fulfill your desired capacity based on your allocation strategy selection.

**Required instance attributes**  
Enter your compute requirements in virtual CPUs (vCPUs) and memory.

**vCPUs**  
Enter the minimum and maximum number of vCPUs per instance.  
0 minimum 1 maximum  
☐ No minimum ☐ No maximum  
Maximum vCPUs is required and must be greater than 0.

**Memory (GiB)**  
Enter the minimum and maximum GiBs of memory per instance.  
0 minimum 1 maximum  
☐ No minimum ☐ No maximum  
Maximum memory is required and must be greater than 0.

**Additional instance attributes - optional**  
Add instance attributes to further limit which instance types may be used to fulfill your desired capacity.  
Choose attribute Add attribute

**Preview matching instance types (1)**  
This list includes all the instance types that match your compute requirements. Amazon EC2 may provision from any of these instance types. The exact instance types that are used to fulfill your desired capacity depend on the allocation strategy you choose and available capacity.

Configure and set no load balancing

EC2 > Auto Scaling groups > Create Auto Scaling group

Step 1  
Step 2  
Step 3 - optional  
Step 4 - optional  
Step 5 - optional  
Step 6 - optional  
Step 7 - optional  
Review

### Integrate with other services - optional Info

Use a load balancer to distribute network traffic across multiple servers. Enable service-to-service communications with VPC Lattice. Shift resources away from impaired Availability Zones with zonal shift. You can also customize health check replacements and monitoring.

**Load balancing Info**  
Use the options below to attach your Auto Scaling group to an existing load balancer, or to a new load balancer that you define.

☒ **No load balancer**  
Traffic to your Auto Scaling group will not be fronted by a load balancer.

☐ **Attach to an existing load balancer**  
Choose from your existing load balancers.

☐ **Attach to a new load balancer**  
Quickly create a basic load balancer to attach to your Auto Scaling group.

**VPC Lattice integration options Info**  
To improve networking capabilities and scalability, integrate your Auto Scaling group with VPC Lattice. VPC Lattice facilitates communications between AWS services and helps you connect and manage your applications across compute services in AWS.

**Select VPC Lattice service to attach**

Select the configuration as below.

**Desired capacity = 0, Minimum capacity = 0 and, Maximum capacity = 1**  
then click on  
**Next.**

Create a scheduled action so that the instance should automatically trun on at 9:00 am IST and turnoff autoscaling at 6:00pm IST.

Enter a **Name**, for example, **SCALEUP\_9AM**  
set the **Desired Capacity** as **one**, and then set the time when you

want the job to run

select the zone to ASIA/Kolkata set the date and time and click on create.

this can be changed to everyday if needed, so the instance will come up everyday from 9:00am to 6:00pm IST

EC2 > Auto Scaling groups > Wordpress-autoscaling

### Wordpress-autoscaling

**Wordpress-autoscaling Capacity overview** [Edit](#)

arn:aws:autoscaling:us-east-1:831926583173:autoScalingGroup:ac060aed-6386-49a4-94d6-82e34976d4e8:autoScalingGroupName/Wordpress-autoscaling

<b>Desired capacity</b> 0	<b>Scaling limits (Min - Max)</b> 0 - 1	<b>Desired capacity type</b> Units (number of instances)	<b>Status</b> -
------------------------------	--	---	--------------------

**Date created**  
Fri Apr 04 2025 11:56:14 GMT+0530 (India Standard Time)

Details | Integrations - new | **Automatic scaling** | Instance management | Instance refresh | Activity | Monitoring

Scaling policies resize your Auto Scaling group to meet changes in demand. With reactive dynamic scaling policies, you can track specific CloudWatch metrics and take action when the CloudWatch alarm threshold is met. Use predictive scaling policies along with dynamic scaling policies in the following situations: when your application demand changes quickly, but with a recurring pattern, or when your EC2 instances require more time to initialize.

## Create scheduled action

**Name**

SCALEUP\_9AM

**Provide at least one value for Desired, Min, or Max Capacity**

<b>Desired capacity</b>	<b>Min</b>	<b>Max</b>
1		

**Recurrence**

Once

**Time zone**

Asia/Kolkata

Current time in selected time zone is 2025-04-04/12:02 IST

**Specific start time**

Schedule a specific date and time for the first scheduled action to run. Interpreted in recurrence time zone: Asia/Kolkata

2025/04/05 09:00 Asia/Kolkata

[Learn more about scheduled scaling](#)

[Cancel](#) [Create](#)

do the same for 6pm

Enter a **Name**, for example, **SCALEDOWN\_6PM**

set the **Desired Capacity** as **zero**, and then set the time when you want the job to run

select the zone to ASIA/Kolkata set the date and time and click on create.

### Create scheduled action

Name

SCALEDOWN\_6PM

Provide at least one value for Desired, Min, or Max Capacity

Desired capacity

0

Min

Max

Recurrence

Once

Time zone

Asia/Kolkata

Current time in selected time zone is 2025-04-04/16:42 IST

Specific start time

Schedule a specific date and time for the first scheduled action to run. Interpreted in recurrence time zone: Asia/Kolkata

2025/04/04

18:00

Asia/Kolkata

Learn more about scheduled scaling

Cancel

Create

Scheduled actions (2) [info](#)

Filter scheduled actions

< 1 >

<input type="checkbox"/>	Name	Start time	End time	Recurrence	Time zone	Desired capacity	Min	Max
<input type="checkbox"/>	SCALEDOWN_6PM	2025 April 05, 06:00...			Asia/Kolkata	1		
<input type="checkbox"/>	SCALEUP_9AM	2025 April 05, 09:00...			Asia/Kolkata	1		

The autoscaling group will schedule this at the mentioned time and we will be able to operate and use the wordpress instance

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#instanceDetails:instanceId=i-057d8b5c18361c40e

aws [Search] [Option+S] United States (N. Virginia) odt\_user\_1677810 @ 0188-6465-6235

EC2 > Instances > i-057d8b5c18361c40e

### EC2

- Dashboard
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- ▼ Elastic Block Store
  - Volumes
  - Snapshots
  - Lifecycle Manager
- ▼ Network & Security
  - Security Groups

### Instance summary for i-057d8b5c18361c40e

Updated less than a minute ago

<b>Instance ID</b> i-057d8b5c18361c40e	<b>Public IPv4 address</b> 3.221.160.244   <a href="#">open address</a>	<b>Private IPv4 addresses</b> 172.31.10.208
<b>IPv6 address</b> -	<b>Instance state</b> Running	<b>Public IPv4 DNS</b> ec2-3-221-160-244.compute-1.amazonaws.com   <a href="#">open address</a>
<b>Hostname type</b> IP name: ip-172-31-10-208.ec2.internal	<b>Private IP DNS name (IPv4 only)</b> ip-172-31-10-208.ec2.internal	<b>Elastic IP addresses</b> -
<b>Answer private resource DNS name</b> -	<b>Instance type</b> t3.small	<b>AWS Compute Optimizer finding</b> Opt-in to AWS Compute Optimizer for recommendations.   <a href="#">Learn more</a>
<b>Auto-assigned IP address</b> 3.221.160.244 [Public IP]	<b>VPC ID</b> vpc-00c33c0f8aec4688c	<b>Auto Scaling Group name</b> -
<b>IAM Role</b> -	<b>Subnet ID</b> subnet-091e8b3fc2ab1e28c	<b>Managed</b> false
<b>IMDSv2</b> Optional ⚠ EC2 recommends setting IMDSv2 to required   <a href="#">Learn more</a>	<b>Instance ARN</b> arn:aws:ec2:us-east-1:018864656235:instance/i-057d8b5c18361c40e	
<b>Operator</b> -		

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