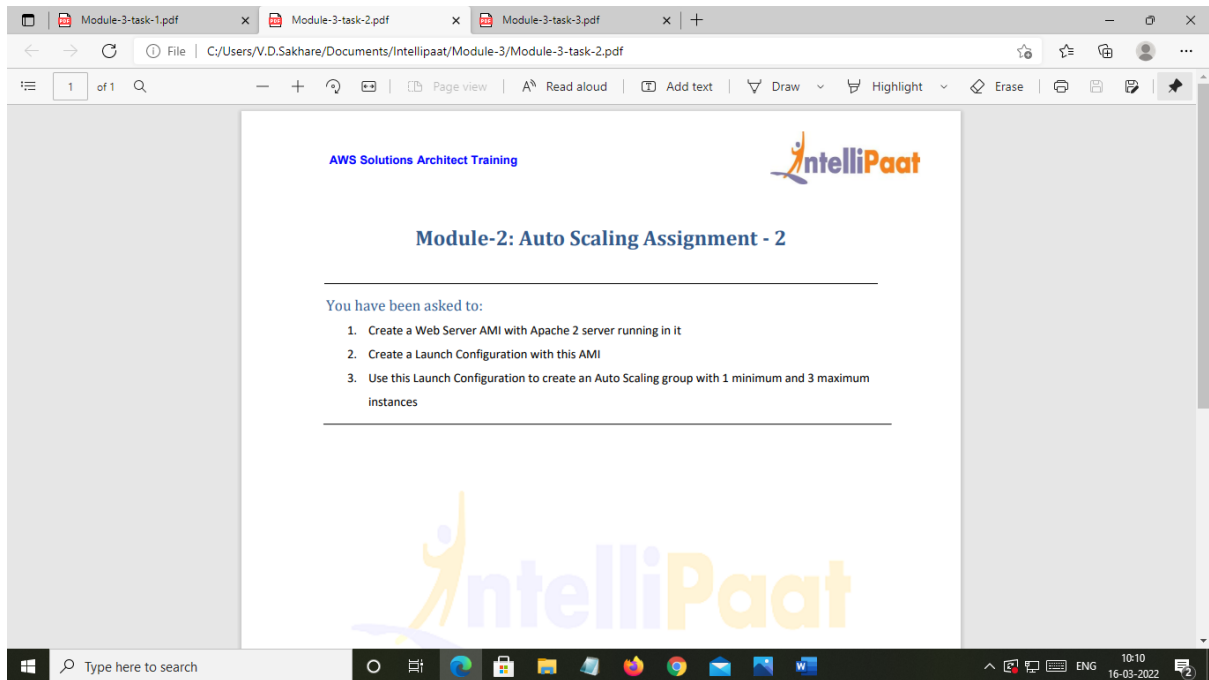
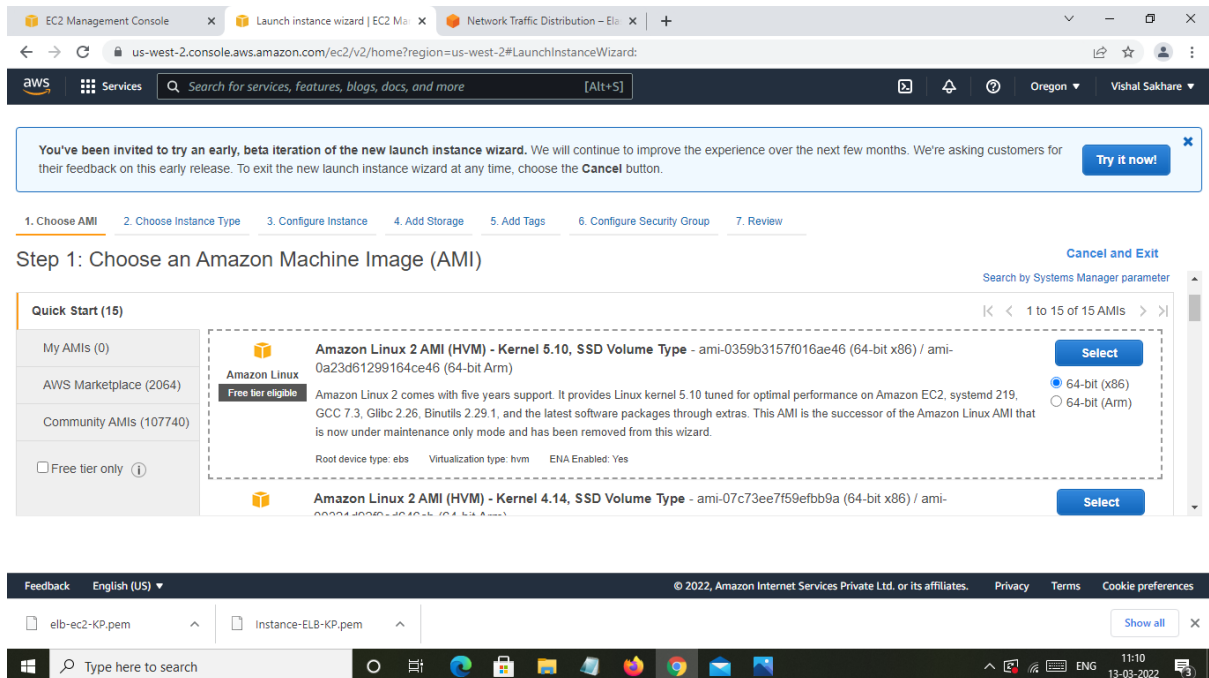


Module-3: Auto Scaling Assignment – 2



1. Create a Web Server AMI with Apache 2 server running in it



us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#LaunchInstanceWizard:

aws Services Search for services, features, blogs, docs, and more [Alt+S] Oregon Vishal Sakhare

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 7: Review Instance Launch

You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

AMI Details [Edit AMI](#)

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type - ami-0359b3157f016ae46

Free tier eligible Amazon Linux 2 comes with five years support. It provides Linux kernel 5.10 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is n...

Root Device Type: ebs Virtualization type: hvm

Instance Type [Edit instance type](#)

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	-	1	1	EBS only	-	Low to Moderate

Security Groups [Edit security groups](#)

[Cancel](#) [Previous](#) [Launch](#)

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elb-ec2-KP.pem Instance-ELB-KP.pem [Show all](#)

```
ec2-user@ip-172-31-36-155-~  
Authenticating with public key "imported-openssh-key"  
  
  _  _  _  
 _/  (  _/  /  Amazon Linux 2 AMI  
 _/_/_/_/_/_/_/    
  
https://aws.amazon.com/amazon-linux-2/  
No packages needed for security; 5 packages available  
Run "sudo yum update" to apply all updates.  
[ec2-user@ip-172-31-36-155 ~]$ sudo yum update  
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd  
amzn2-core | 3.7 kB 00:00:00  
Resolving Dependencies  
--> Running transaction check  
--> Package dhclient.x86_64 12:4.2.5-77.amzn2.1.3 will be updated  
--> Package dhclient.x86_64 12:4.2.5-77.amzn2.1.4 will be an update  
--> Package dhcp-common.x86_64 12:4.2.5-77.amzn2.1.3 will be updated  
--> Package dhcp-common.x86_64 12:4.2.5-77.amzn2.1.4 will be an update  
--> Package dhcp-libs.x86_64 12:4.2.5-77.amzn2.1.3 will be updated  
--> Package dhcp-libs.x86_64 12:4.2.5-77.amzn2.1.4 will be an update  
--> Package dracut-config-ec2.noarch 0:2.0-2.amzn2 will be updated  
--> Package dracut-config-ec2.noarch 0:2.0-3.amzn2 will be an update  
--> Package rsyslog.x86_64 0:8.24.0-52.amzn2 will be updated  
--> Package rsyslog.x86_64 0:8.24.0-57.amzn2.1 will be an update  
--> Finished Dependency Resolution  
  
Dependencies Resolved  
  
=====
```

Package	Arch	Version	Repository	Size
Updating:				
dhclient	x86_64	12:4.2.5-77.amzn2.1.4	amzn2-core	286 k
dhcp-common	x86_64	12:4.2.5-77.amzn2.1.4	amzn2-core	176 k
dhcp-libs	x86_64	12:4.2.5-77.amzn2.1.4	amzn2-core	132 k
dracut-config-ec2	noarch	2.0-3.amzn2	amzn2-core	5.0 k
rsyslog	x86_64	8.24.0-57.amzn2.1	amzn2-core	618 k

```
=====
```

Transaction Summary				
Upgrade 5 Packages				
Total download size: 1.2 M				
Is this ok [y/d/N]: y				

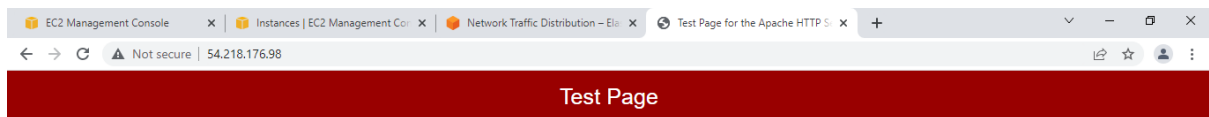
```
root@ip-172-31-36-155/home/ec2-user  
Downloading packages:  
(1/9): apr-1.7.0-9.amzn2.x86_64.rpm | 122 kB 00:00:00  
(2/9): apr-util-1.6.1-5.amzn2.0.2.x86_64.rpm | 99 kB 00:00:00  
(3/9): generic-logos-httpd-18.0.0-4.amzn2.noarch.rpm | 19 kB 00:00:00  
(4/9): apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64.rpm | 19 kB 00:00:00  
(5/9): httpd-filesystem-2.4.52-1.amzn2.noarch.rpm | 24 kB 00:00:00  
(6/9): httpd-2.4.52-1.amzn2.x86_64.rpm | 1.3 MB 00:00:00  
(7/9): httpd-tools-2.4.52-1.amzn2.x86_64.rpm | 88 kB 00:00:00  
(8/9): mailcap-2.1.41-2.amzn2.noarch.rpm | 31 kB 00:00:00  
(9/9): mod_http2-1.15.19-1.amzn2.0.1.x86_64.rpm | 149 kB 00:00:00  
-----  
Total | 8.4 MB/s | 1.9 MB 00:00:00  
Running transaction check  
Running transaction test  
Transaction test succeeded  
Running transaction  
Installing : apr-1.7.0-9.amzn2.x86_64 | 1/9  
Installing : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 | 2/9  
Installing : apr-util-1.6.1-5.amzn2.0.2.x86_64 | 3/9  
Installing : httpd-tools-2.4.52-1.amzn2.x86_64 | 4/9  
Installing : generic-logos-httpd-18.0.0-4.amzn2.noarch | 5/9  
Installing : mailcap-2.1.41-2.amzn2.noarch | 6/9  
Installing : httpd-filesystem-2.4.52-1.amzn2.noarch | 7/9  
Installing : mod_http2-1.15.19-1.amzn2.0.1.x86_64 | 8/9  
Installing : httpd-2.4.52-1.amzn2.x86_64 | 9/9  
Verifying : apr-util-1.6.1-5.amzn2.0.2.x86_64 | 1/9  
Verifying : httpd-tools-2.4.52-1.amzn2.x86_64 | 2/9  
Verifying : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 | 3/9  
Verifying : httpd-filesystem-2.4.52-1.amzn2.noarch | 4/9  
Verifying : httpd-2.4.52-1.amzn2.x86_64 | 5/9  
Verifying : mailcap-2.1.41-2.amzn2.noarch | 6/9  
Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch | 7/9  
Verifying : mod_http2-1.15.19-1.amzn2.0.1.x86_64 | 8/9  
Verifying : apr-1.7.0-9.amzn2.x86_64 | 9/9  
  
Installed:  
httpd.x86_64 0:2.4.52-1.amzn2  
  
Dependency Installed:  
apr.x86_64 0:1.7.0-9.amzn2 apr-util.x86_64 0:1.6.1-5.amzn2.0.2 apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2 generic-logos-httpd.noarch 0:18.0.0-4.amzn2  
httpd-filesystem.noarch 0:2.4.52-1.amzn2 httpd-tools.x86_64 0:2.4.52-1.amzn2 mailcap.noarch 0:2.1.41-2.amzn2 mod_http2.x86_64 0:1.15.19-1.amzn2.0.1  
  
Complete!  
[root@ip-172-31-36-155 ec2-user]#
```

```
root@ip-172-31-36-155:/home/ec2-user
(3/9): generic-logos-httpd-18.0.0-4.amzn2.noarch.rpm | 19 kB 00:00:00
(4/9): apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64.rpm | 19 kB 00:00:00
(5/9): httpd-filesystem-2.4.52-1.amzn2.noarch.rpm | 24 kB 00:00:00
(6/9): httpd-2.4.52-1.amzn2.x86_64.rpm | 1.3 MB 00:00:00
(7/9): httpd-tools-2.4.52-1.amzn2.x86_64.rpm | 88 kB 00:00:00
(8/9): mailcap-2.1.41-2.amzn2.noarch.rpm | 31 kB 00:00:00
(9/9): mod_http2-1.15.19-1.amzn2.0.1.x86_64.rpm | 149 kB 00:00:00
-----
Total | 8.4 MB/s | 1.9 MB 00:00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Installing : apr-1.7.0-9.amzn2.x86_64 1/9
Installing : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 2/9
Installing : apr-util-1.6.1-5.amzn2.0.2.x86_64 3/9
Installing : httpd-tools-2.4.52-1.amzn2.x86_64 4/9
Installing : generic-logos-httpd-18.0.0-4.amzn2.noarch 5/9
Installing : mailcap-2.1.41-2.amzn2.noarch 6/9
Installing : httpd-filesystem-2.4.52-1.amzn2.noarch 7/9
Installing : mod_http2-1.15.19-1.amzn2.0.1.x86_64 8/9
Installing : httpd-2.4.52-1.amzn2.x86_64 9/9
Verifying : apr-util-1.6.1-5.amzn2.0.2.x86_64 1/9
Verifying : httpd-tools-2.4.52-1.amzn2.x86_64 2/9
Verifying : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 3/9
Verifying : httpd-filesystem-2.4.52-1.amzn2.noarch 4/9
Verifying : httpd-2.4.52-1.amzn2.x86_64 5/9
Verifying : mailcap-2.1.41-2.amzn2.noarch 6/9
Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch 7/9
Verifying : mod_http2-1.15.19-1.amzn2.0.1.x86_64 8/9
Verifying : apr-1.7.0-9.amzn2.x86_64 9/9

Installed:
httpd.x86_64 0:2.4.52-1.amzn2

Dependency Installed:
apr.x86_64 0:1.7.0-9.amzn2 apr-util.x86_64 0:1.6.1-5.amzn2.0.2 apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2 generic-logos-httpd.noarch 0:18.0.0-4.amzn2
httpd-filesystem.noarch 0:2.4.52-1.amzn2 httpd-tools.x86_64 0:2.4.52-1.amzn2 mailcap.noarch 0:2.1.41-2.amzn2 mod_http2.x86_64 0:1.15.19-1.amzn2.0.1

Complete!
[root@ip-172-31-36-155 ec2-user]# systemctl start httpd
bash: systemctl: command not found
[root@ip-172-31-36-155 ec2-user]# systemctl start httpd
[root@ip-172-31-36-155 ec2-user]#
```



This page is used to test the proper operation of the Apache HTTP server after it has been installed. If you can read this page, it means that the Apache HTTP server installed at this site is working properly.

If you are a member of the general public:

The fact that you are seeing this page indicates that the website you just visited is either experiencing problems, or is undergoing routine maintenance.

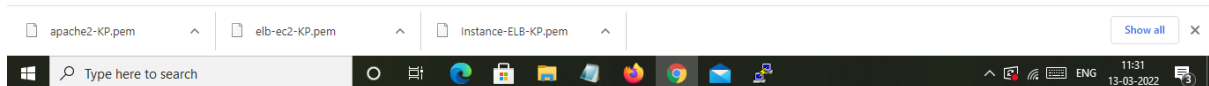
If you would like to let the administrators of this website know that you've seen this page instead of the page you expected, you should send them e-mail. In general, mail sent to the name "webmaster" and directed to the website's domain should reach the appropriate person.

For example, if you experienced problems while visiting www.example.com, you should send e-mail to "webmaster@example.com".

If you are the website administrator:

You may now add content to the directory `/var/www/html/`. Note that until you do so, people visiting your website will see this page, and not your content. To prevent this page from ever being used, follow the instructions in the file `/etc/httpd/conf.d/welcome.conf`.

You are free to use the image below on web sites powered by the Apache HTTP Server:



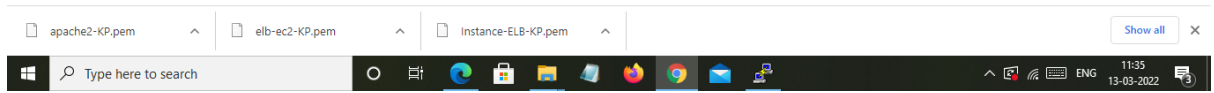
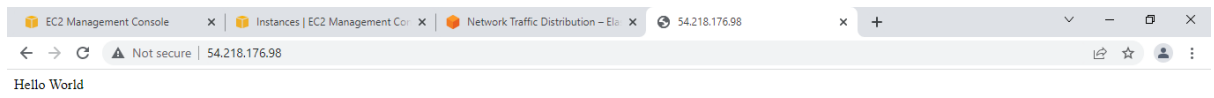
```
root@ip-172-31-36-155/home/ec2-user
(7/9): httpd-tools-2.4.52-1.amzn2.x86_64.rpm | 88 kB 00:00:00
(8/9): mailcap-2.1.41-2.amzn2.noarch.rpm | 31 kB 00:00:00
(9/9): mod_http2-1.15.19-1.amzn2.0.1.x86_64.rpm | 149 kB 00:00:00
-----
Total 8.4 MB/s | 1.9 MB 00:00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Installing : apr-1.7.0-9.amzn2.x86_64 1/9
Installing : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 2/9
Installing : apr-util-1.6.1-5.amzn2.0.2.x86_64 3/9
Installing : httpd-tools-2.4.52-1.amzn2.x86_64 4/9
Installing : generic-logos-httpd-18.0.0-4.amzn2.noarch 5/9
Installing : mailcap-2.1.41-2.amzn2.noarch 6/9
Installing : httpd-filesystem-2.4.52-1.amzn2.noarch 7/9
Installing : mod_http2-1.15.19-1.amzn2.0.1.x86_64 8/9
Installing : httpd-2.4.52-1.amzn2.x86_64 9/9
Verifying : apr-util-1.6.1-5.amzn2.0.2.x86_64 1/9
Verifying : httpd-tools-2.4.52-1.amzn2.x86_64 2/9
Verifying : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 3/9
Verifying : httpd-filesystem-2.4.52-1.amzn2.noarch 4/9
Verifying : httpd-2.4.52-1.amzn2.x86_64 5/9
Verifying : mailcap-2.1.41-2.amzn2.noarch 6/9
Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch 7/9
Verifying : mod_http2-1.15.19-1.amzn2.0.1.x86_64 8/9
Verifying : apr-1.7.0-9.amzn2.x86_64 9/9

Installed:
httpd.x86_64 0:2.4.52-1.amzn2

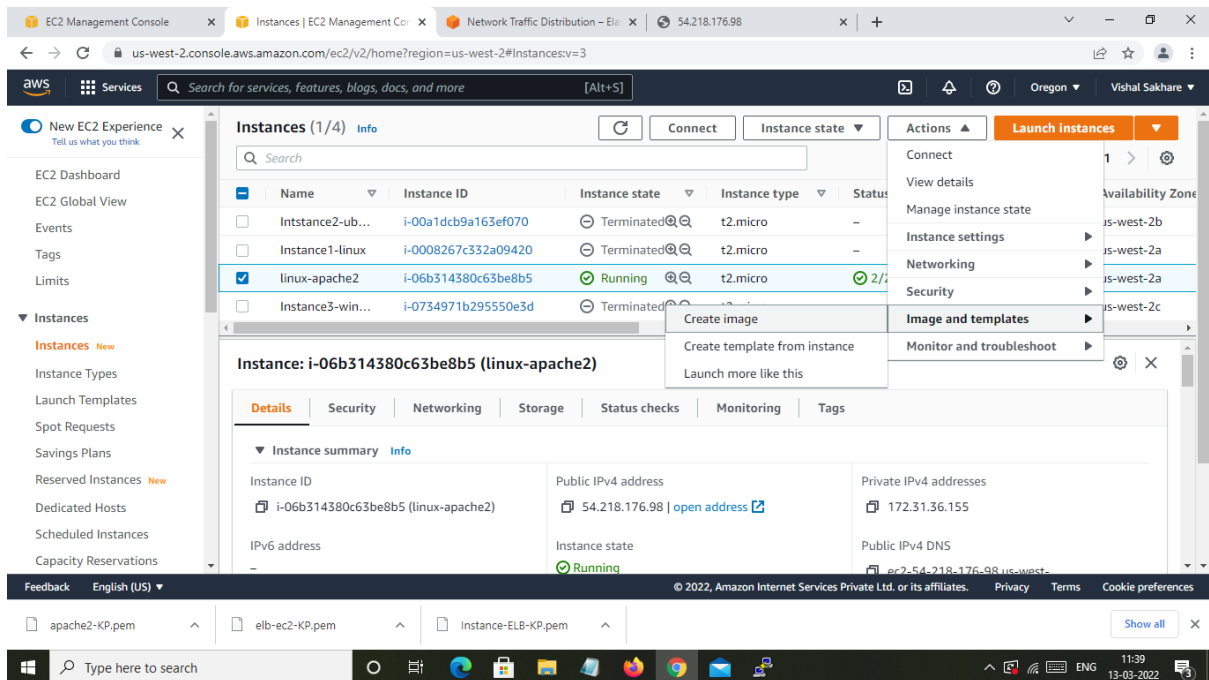
Dependency Installed:
apr.x86_64 0:1.7.0-9.amzn2 apr-util.x86_64 0:1.6.1-5.amzn2.0.2 apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2 generic-logos-httpd.noarch 0:18.0.0-4.amzn2
httpd-filesystem.noarch 0:2.4.52-1.amzn2 httpd-tools.x86_64 0:2.4.52-1.amzn2 mailcap.noarch 0:2.1.41-2.amzn2 mod_http2.x86_64 0:1.15.19-1.amzn2.0.1

Complete!
[root@ip-172-31-36-155 ec2-user]# systemctl start httpd
bash: systemctl: command not found
[root@ip-172-31-36-155 ec2-user]# systemctl start httpd
[root@ip-172-31-36-155 ec2-user]# systemctl enable httpd
bash: systemctl: command not found
[root@ip-172-31-36-155 ec2-user]# systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-36-155 ec2-user]#
```

```
root@ip-172-31-36-155/home/ec2-user
[root@ip-172-31-36-155 ec2-user]# echo "Hello World" > /var/www/html/index.html
[root@ip-172-31-36-155 ec2-user]# curl localhost :80
Hello World
curl: (9) URL using bad/illegal format or missing URL
[root@ip-172-31-36-155 ec2-user]#
```



2. Create a Launch Configuration with this AMI

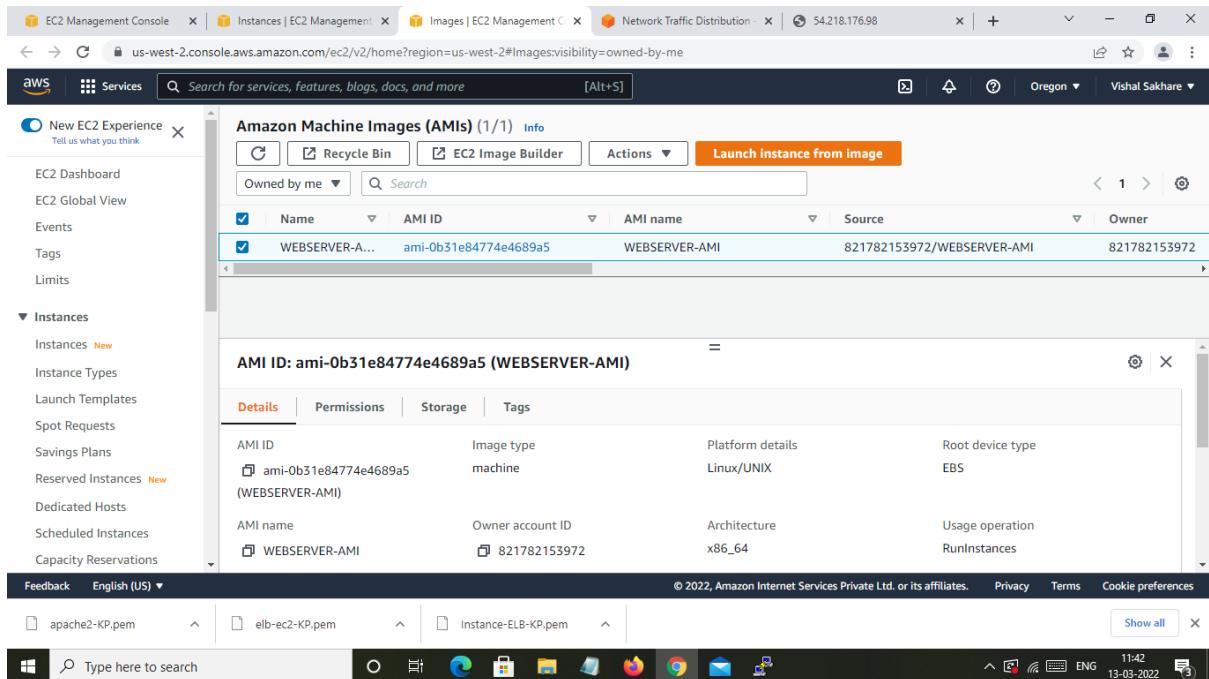


The screenshot shows the AWS Management Console with the EC2 Instances page. The 'linux-apache2' instance is selected, and the 'Launch instances' button is highlighted. The instance details for 'i-06b314380c63be8b5' are visible, showing it is in a 'Running' state.

Name	Instance ID	Instance state	Instance type	Status
Instance2-ub...	i-00a1dcb9a163ef070	Terminated	t2.micro	-
Instance1-linux	i-0008267c332a09420	Terminated	t2.micro	-
linux-apache2	i-06b314380c63be8b5	Running	t2.micro	2/2
Instance3-win...	i-0734971b295550e3d	Terminated	-	-

Instance: i-06b314380c63be8b5 (linux-apache2)

Details	Security	Networking	Storage	Status checks	Monitoring	Tags
Instance summary Info						
Instance ID	Public IPv4 address		Private IPv4 addresses			
i-06b314380c63be8b5 (linux-apache2)	54.218.176.98 open address		172.31.36.155			
IPv6 address	Instance state		Public IPv4 DNS			
-	Running		ec2-54-218-176-98.us-west-2.amazonaws.com			

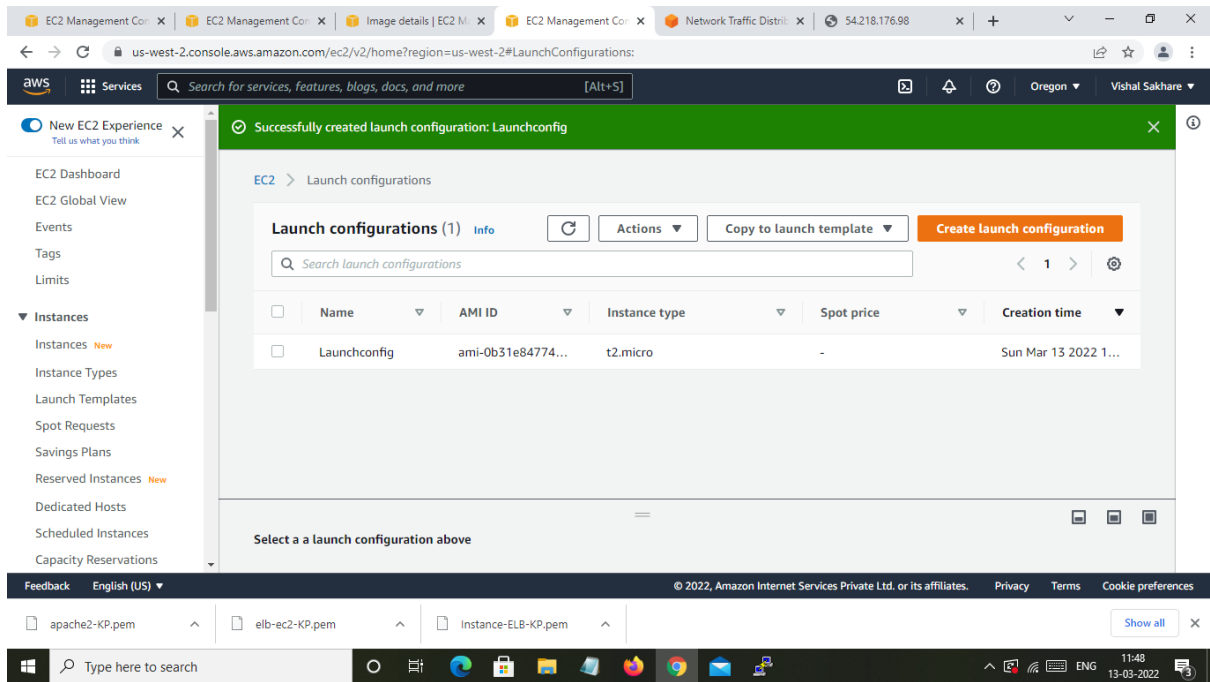
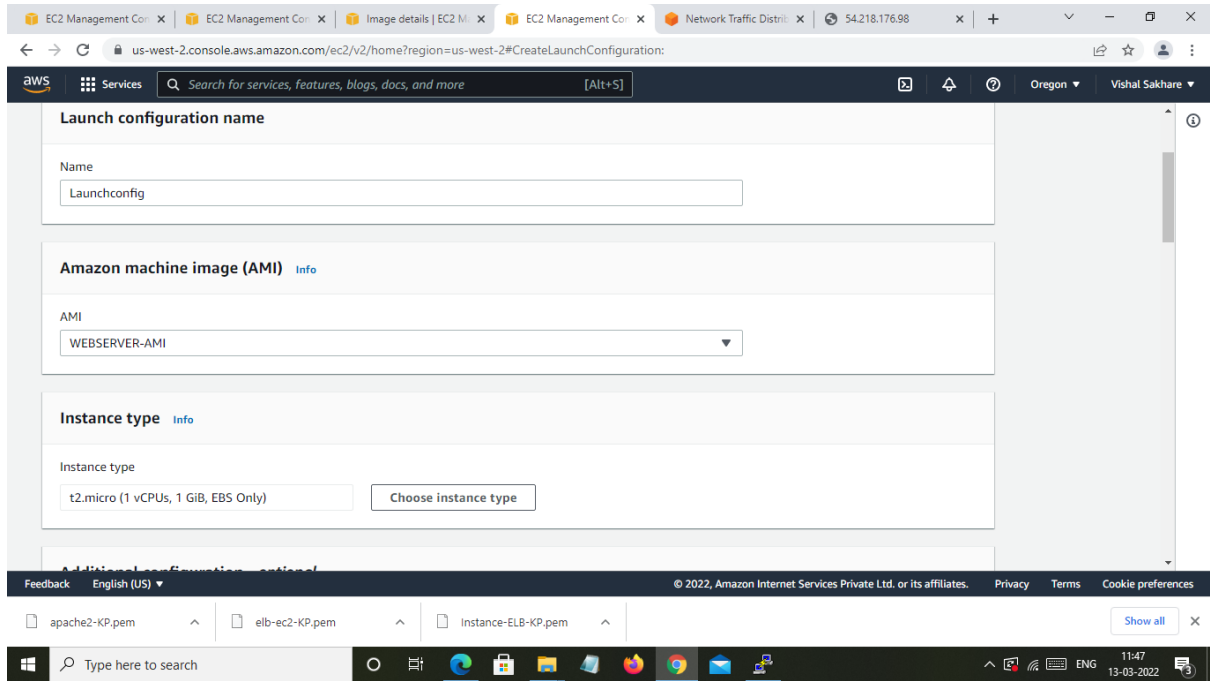


The screenshot shows the AWS Management Console with the Amazon Machine Images (AMIs) page. The 'WEBSERVER-AMI' is selected, and the 'Launch instance from image' button is highlighted. The AMI details for 'ami-0b31e84774e4689a5' are visible, showing it is a 'machine' type with 'Linux/UNIX' platform details.

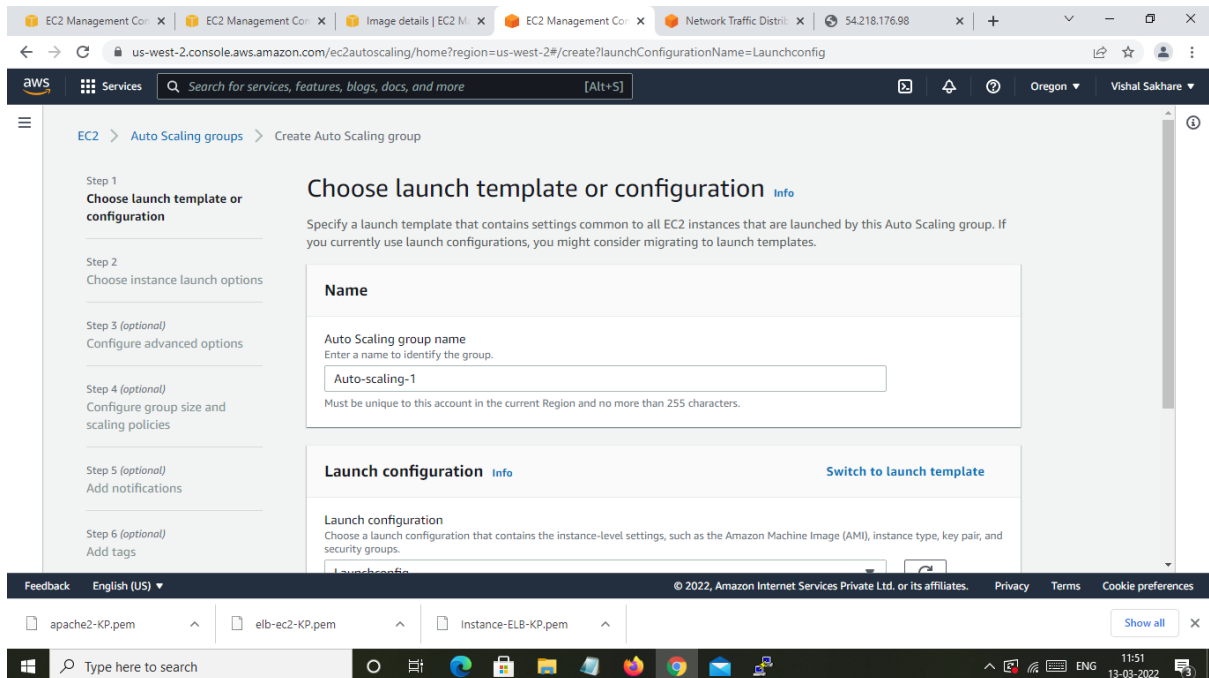
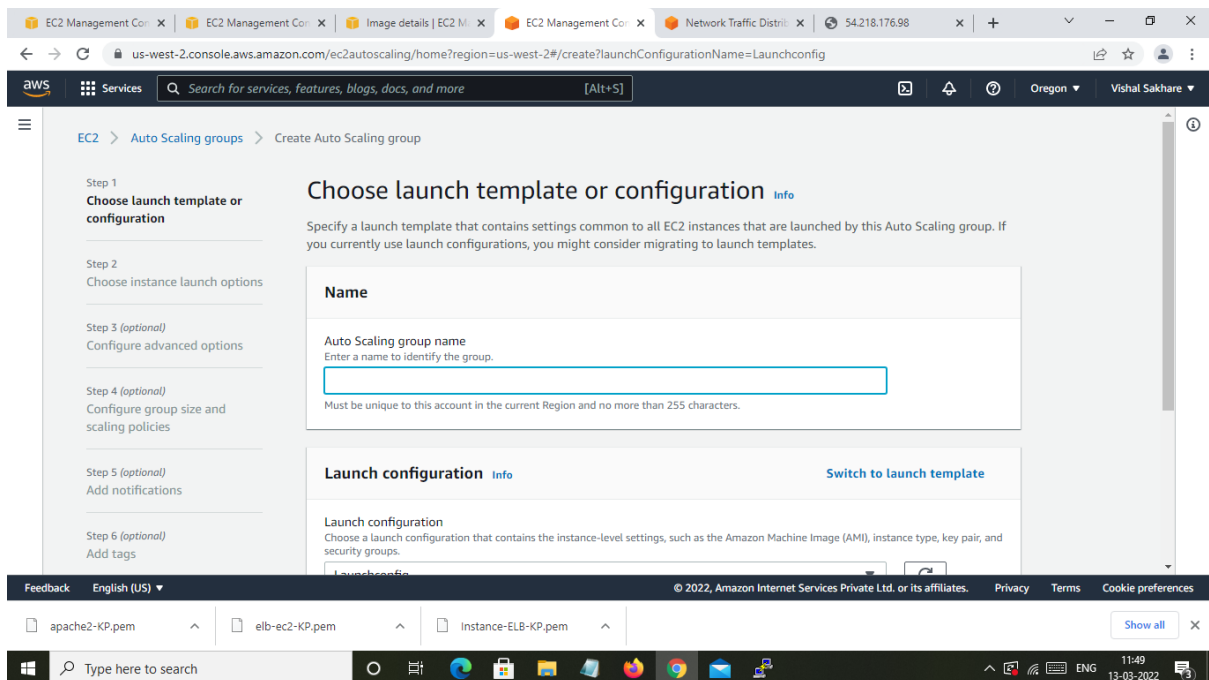
Name	AMI ID	AMI name	Source	Owner
WEBSERVER-AMI...	ami-0b31e84774e4689a5	WEBSERVER-AMI	821782153972/WEBSERVER-AMI	821782153972

AMI ID: ami-0b31e84774e4689a5 (WEBSERVER-AMI)

Details	Permissions	Storage	Tags
AMI ID	Image type	Platform details	Root device type
ami-0b31e84774e4689a5 (WEBSERVER-AMI)	machine	Linux/UNIX	EBS
AMI name	Owner account ID	Architecture	Usage operation
WEBSERVER-AMI	821782153972	x86_64	RunInstances



3. Use this Launch Configuration to create an Auto Scaling group with 1 minimum and 3 maximum instances



Instances | EC2 Management | EC2 Management Console | Image details | EC2 Management Console | 54.218.176.98

us-west-2.console.aws.amazon.com/ec2autoscaling/home?region=us-west-2#/create?launchConfigurationName=Launchconfig

Services Search for services, features, blogs, docs, and more [Alt+S] Oregon Vishal Sakhare

Step 2 Choose instance launch options

Step 3 (optional) Configure advanced options

Step 4 (optional) Configure group size and scaling policies

Step 5 (optional) Add notifications

Step 6 (optional) Add tags

Step 7 Review

Network Info

For most applications, you can use multiple Availability Zones and let EC2 Auto Scaling balance your instances across the zones. The default VPC and default subnets are suitable for getting started quickly.

VPC
Choose the VPC that defines the virtual network for your Auto Scaling group.

vpc-0201eb794b118c634
172.31.0.0/16 Default

Create a VPC

Availability Zones and subnets
Define which Availability Zones and subnets your Auto Scaling group can use in the chosen VPC.

Select Availability Zones and subnets

us-west-2a | subnet-0cfc728e65151d420
172.31.32.0/20 Default

Create a subnet

Cancel Previous Skip to review Next

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apache2-KP.pem elb-ec2-KP.pem Instance-ELB-KP.pem Show all

Type here to search

Instances | EC2 Management | EC2 Management Console | Image details | EC2 Management Console | 54.218.176.98

us-west-2.console.aws.amazon.com/ec2autoscaling/home?region=us-west-2#/create?launchConfigurationName=Launchconfig

Services Search for services, features, blogs, docs, and more [Alt+S] Oregon Vishal Sakhare

Step 3 (optional) Configure advanced options

Step 4 (optional) Configure group size and scaling policies

Step 5 (optional) Add notifications

Step 6 (optional) Add tags

Step 7 Review

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.

Health checks - optional

Health check type Info
EC2 Auto Scaling automatically replaces instances that fail health checks. If you enabled load balancing, you can enable ELB health checks in addition to the EC2 health checks that are always enabled.

☒ EC2 ☐ ELB

Health check grace period
The amount of time until EC2 Auto Scaling performs the first health check on new instances after they are put into service.

300 seconds

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apache2-KP.pem elb-ec2-KP.pem Instance-ELB-KP.pem Show all

Type here to search

Instances | EC2 Management | EC2 Management Console | Image details | EC2 Management Console | 54.218.176.98

us-west-2.console.aws.amazon.com/ec2autoscaling/home?region=us-west-2#/create?launchConfigurationName=Launchconfig

Services Search for services, features, blogs, docs, and more [Alt+S] Oregon Vishal Sakhare

EC2 > Auto Scaling groups > Create Auto Scaling group

Step 1 Choose launch template or configuration

Step 2 Choose instance launch options

Step 3 (optional) Configure advanced options

Step 4 (optional) **Configure group size and scaling policies**

Step 5 (optional) Add notifications

Step 6 (optional) Add tags

Configure group size and scaling policies Info

Set the desired, minimum, and maximum capacity of your Auto Scaling group. You can optionally add a scaling policy to dynamically scale the number of instances in the group.

Group size - optional Info

Specify the size of the Auto Scaling group by changing the desired capacity. You can also specify minimum and maximum capacity limits. Your desired capacity must be within the limit range.

Desired capacity

Minimum capacity

Maximum capacity

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apache2-KP.pem elb-ec2-KP.pem Instance-ELB-KP.pem Show all

Type here to search

Instances | EC2 Management | EC2 Management Console | Image details | EC2 Management Console | 54.218.176.98

us-west-2.console.aws.amazon.com/ec2autoscaling/home?region=us-west-2#/details

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Explore how the new predictive scaling policy of EC2 Auto Scaling helps you improve availability for your applications. [Learn More](#)

✓ Auto-scaling-1 created successfully

EC2 > Auto Scaling groups

Auto Scaling groups (1)

<input type="checkbox"/>	Name	Launch template/configuration	Instances	Status	Desired capacity	Min
<input type="checkbox"/>	Auto-scaling-1...	Launchconfig	0	Updating capacity	1	1

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<input checked="" type="checkbox"/>	Name	Launch template/configuration	Instances	Status	Desired capacity	Min
<input checked="" type="checkbox"/>	Auto-scaling-1...	Launchconfig	0	Updating capacity	1	1

Details | Activity | Automatic scaling | **Instance management** | Monitoring | Instance refresh

Group details [Edit](#)

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us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#InstanceDetails:instanceId=i-0784fe32887cae40b

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EC2 > Instances > i-0784fe32887cae40b

Instance summary for i-0784fe32887cae40b Info [Refresh](#) [Connect](#) [Instance state](#) [Actions](#)

Updated less than a minute ago

Instance ID i-0784fe32887cae40b	Public IPv4 address 34.208.178.147 open address	Private IPv4 addresses 172.31.46.125
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-34-208-178-147.us-west-2.compute.amazonaws.com open address
Hostname type IP name: ip-172-31-46-125.us-west-2.compute.internal	Private IP DNS name (IPv4 only) ip-172-31-46-125.us-west-2.compute.internal	Answer private resource DNS name -
Instance type t2.micro	Elastic IP addresses -	VPC ID vpc-0201eb794b118c634
AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more	IAM Role -	Subnet ID subnet-0cfc728e65151d420

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us-west-2.console.aws.amazon.com/ec2autoscaling/home?region=us-west-2#/details?id=Auto-scaling-1&view=instanceManagement

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Instances (1/1)

Filter instances

Instance ID	Lifecycle	Instance ty...	Weighted capacity	Launch template/configuration
i-0784fe32887cae40b	Pending	t2.micro	-	Launchconfig

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Connect to instance | i-06b314380c63be8b5 | EC2 Management Console | Image details | EC2 Management Console | EC2 Management Console | 54.218.176.98

us-west-2.console.aws.amazon.com/ec2/v2/connect/ec2-user/i-06b314380c63be8b5

```
top - 06:37:49 up 24 min, 1 user, load average: 0.02, 0.01, 0.00
Tasks: 101 total, 1 running, 58 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0.0 us, 0.0 sy, 0.0 ni, 100.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
KiB Mem : 988672 total, 694152 free, 96340 used, 198180 buff/cache
KiB Swap: 0 total, 0 free, 0 used, 756812 avail Mem

  PID USER      PR  NI    VIRT    RES    SHR S  %CPU  %MEM    TIME+  COMMAND
    1 root        20   0   43620   5256   3816 S   0.0   0.5   0:01.86 systemd
    2 root        20   0     0     0     0 S   0.0   0.0   0:00.00 kthreadd
    3 root         0 -20     0     0     0 I   0.0   0.0   0:00.00 rcu_gp
    4 root         0 -20     0     0     0 I   0.0   0.0   0:00.00 rcu_par_gp
    6 root         0 -20     0     0     0 I   0.0   0.0   0:00.00 kworker/0:0H-ev
    9 root         0 -20     0     0     0 I   0.0   0.0   0:00.00 mm_percpu_wq
   10 root        20   0     0     0     0 S   0.0   0.0   0:00.00 rcu_tasks_rude_
   11 root        20   0     0     0     0 S   0.0   0.0   0:00.00 rcu_tasks_trace
   12 root        20   0     0     0     0 S   0.0   0.0   0:00.02 ksoftirqd/0
   13 root        20   0     0     0     0 I   0.0   0.0   0:00.08 rcu_sched
   14 root        20   0     0     0     0 S   0.0   0.0   0:00.01 migration/0
   15 root        20   0     0     0     0 S   0.0   0.0   0:00.00 cpuhp/0
   17 root        20   0     0     0     0 S   0.0   0.0   0:00.00 kdevtmpfs
   18 root         0 -20     0     0     0 I   0.0   0.0   0:00.00 netns
   21 root        20   0     0     0     0 S   0.0   0.0   0:00.01 kauditd
  261 root        20   0     0     0     0 S   0.0   0.0   0:00.00 khungtaskd
```

i-06b314380c63be8b5 (linux-apache2)

Public IPs: 54.218.176.98 Private IPs: 172.31.36.155

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Connect to instance | x EC2 Management Co x EC2 Management Co x EC2 Management Co x EC2 Management Co x 54.218.176.98 x + -

us-west-2.console.aws.amazon.com/ec2autoscaling/home?region=us-west-2#/details?id=Auto-scaling-1&view=activity

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Auto Scaling groups (1/1) [Refresh] [Edit] [Delete] **Create an Auto Scaling group**

Search your Auto Scaling groups

Status	Description	Cause
WaitingForI	Launching a new EC2 instance: i-03464c1a357f74e57	At 2022-03-13T06:43:28Z an instance was launched in response to an instance refresh.
Successful	Terminating EC2 instance: i-0784fe32887cae40b	At 2022-03-13T06:43:28Z an instance was taken out of service in response to an instance refresh. At 2022-03-13T06:43:28Z instance i-0784fe32887cae40b was selected for termination.
Successful	Launching a new EC2 instance: i-0784fe32887cae40b	At 2022-03-13T06:25:44Z an instance was started in response to a difference between desired and actual capacity, increasing the capacity from 0 to 1.
Failed	Launching a new EC2 instance. Status Reason: Authentication Failure.	At 2022-03-13T06:24:43Z a user request created an AutoScalingGroup changing the desired capacity from 0 to 1. At 2022-03-13T06:24:46Z an instance was started in response to a difference between

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console.aws.amazon.com/route53/v2/hostedzones#CreateHostedZone

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Introducing the new Route 53 console
We've redesigned the Route 53 console to make it easier to use. Let us know what you think. We are continuing to make improvements to the user experience based on your feedback, stay tuned! If you'd prefer to use the old console, click [here](#).

Route 53 > Hosted zones > Create hosted zone

Create hosted zone Info

Hosted zone configuration
A hosted zone is a container that holds information about how you want to route traffic for a domain, such as example.com, and its subdomains.

Domain name Info
This is the name of the domain that you want to route traffic for.

Valid characters: a-z, 0-9, ! * # \$ % & ' () + , - / : ; < = > ? @ [\] ^ _ ` { } , ~

Description - optional Info
This value lets you distinguish hosted zones that have the same name.

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console.aws.amazon.com/route53/v2/hostedzones#CreateRecordSet/Z0608796Ml2AA8BEIWH

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Route 53 > Hosted zones > vishal.com > Create record

▼ Record creation method

Quick create (recommended for expert users)

Choose this method if you are confident in the process of creating records and know which options you need.

Wizard (recommended for new users)

Choose this method if you need more explanations as you create your record.

Quick create recordInfoSwitch to wizard

▼ Record 1Delete

Record nameInfo

blogvishal.com

Valid characters: a-z, 0-9, ! * # \$ % & ' () + , - / : ; < = > ? @ [\] ^ _ ` { | } . ~

Record typeInfo

A - Routes traffic to an IPv4 address and some AWS resources

ValueInfo

☐ Alias

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