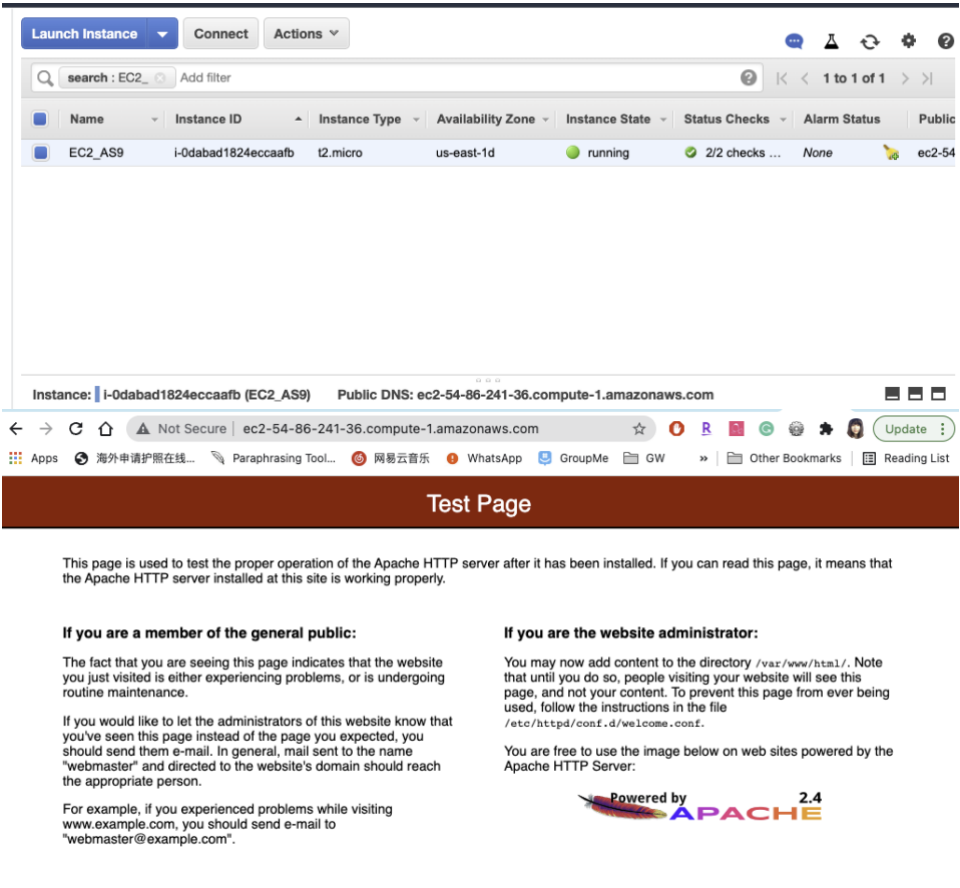
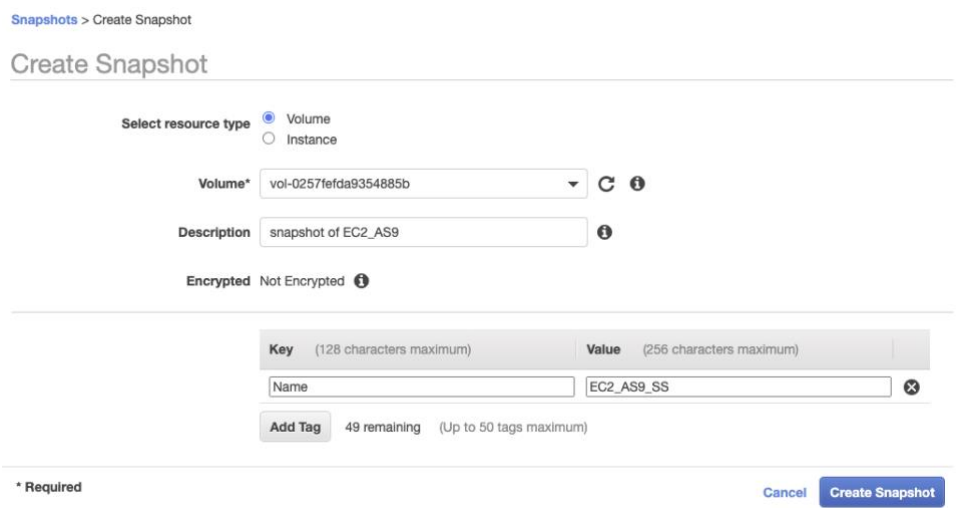


Group member:	Sisi Zhang, Harish Ram
Action:	Result:
<p>Using East Coast region:</p> <p>create an EC2 and install apache on it (make sure apache would be on when the EC2 is started)</p>	 <p>The screenshot shows the AWS Management Console interface. At the top, there are buttons for 'Launch Instance', 'Connect', and 'Actions'. Below this is a search bar and a table of EC2 instances. The table has columns: Name, Instance ID, Instance Type, Availability Zone, Instance State, Status Checks, Alarm Status, and Public. One instance is listed: EC2_AS9 with Instance ID i-0dabad1824eccaafb, Instance Type t2.micro, Availability Zone us-east-1d, Instance State running, Status Checks 2/2 checks passed, Alarm Status None, and Public. Below the table, there is a section for the selected instance 'i-0dabad1824eccaafb (EC2_AS9)' with its Public DNS: ec2-54-86-241-36.compute-1.amazonaws.com. Below this is a browser window showing a 'Test Page' for the Apache HTTP server. The page contains instructions for general public and website administrators, and a logo for 'Powered by APACHE 2.4'.</p>
<p>Create a snapshot of the volume of this EC2</p>	 <p>The screenshot shows the 'Create Snapshot' page in the AWS Management Console. The page title is 'Snapshots > Create Snapshot'. Under 'Select resource type', 'Volume' is selected. The 'Volume*' dropdown shows 'vol-0257fefda9354885b'. The 'Description' field contains 'snapshot of EC2_AS9'. The 'Encrypted' checkbox is unchecked. Below this is a table for tags with columns 'Key' and 'Value'. The 'Key' is 'Name' and the 'Value' is 'EC2_AS9_SS'. There is an 'Add Tag' button and a note '49 remaining (Up to 50 tags maximum)'. At the bottom, there are 'Cancel' and 'Create Snapshot' buttons.</p>

A screenshot of the 'Create Snapshot' page. At the top, there is a breadcrumb trail: 'Snapshots > Create Snapshot'. Below this is the title 'Create Snapshot'. A large green box contains a checkmark icon and the text 'Create Snapshot Request Succeeded'. Below the text is the snapshot ID 'snap-0cdd95471c1d6058f'. At the bottom right, there are two buttons: 'Manage Fast Snapshot Restore' and 'Close'.

Create an image using the snapshot

Create Image

Instance ID ⓘ

i-0dabad1824eccaafb

Image name ⓘ

EC2_AS9_image

Image description ⓘ

Image of EC2_AS9

No reboot ⓘ

☐

Instance Volumes

Volume Type ⓘ	Device ⓘ	Snapshot ⓘ	Size (GiB) ⓘ	Volume Type ⓘ	IOPS ⓘ	Throughput (MB/s) ⓘ	Delete on Termination ⓘ	Encrypted ⓘ
Root	/dev/xvda	snap-08e7398ef8a6052df	8	General Purpose S	100 / 3000	N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Add New Volume

Total size of EBS Volumes: 8 GiB

When you create an EBS image, an EBS snapshot will also be created for each of the above volumes.

Cancel

Create Image

Create Image

✓ Create Image request received.

[View pending image ami-0257b6afcb651553a](#)

Any snapshots backing your new EBS Image can be managed on the [snapshots screen](#) after successful image creation.

Close

Copy that image to west coast region, let us call it WCR

Copy AMI



AMI ami-0257b6afcb651553a will be copied to a new AMI. Set the new AMI settings below.

Destination region* US West (N. California) ▼

Name

Description

Encryption ☐ Encrypt target EBS snapshots ⓘ

Cancel

Copy AMI

Copy AMI



The AMI copy operation has been initiated. Note that you may have to refresh the AMI screen to see your new AMI. It can take a few minutes until the new AMI is displayed.

Visit the [AMIs page in us-west-1](#) to check on the progress of the copy operation.

The new AMI ID is ami-022e36e10f49cd0e1.

Done

Launch EC2 Image Builder Actions ▼

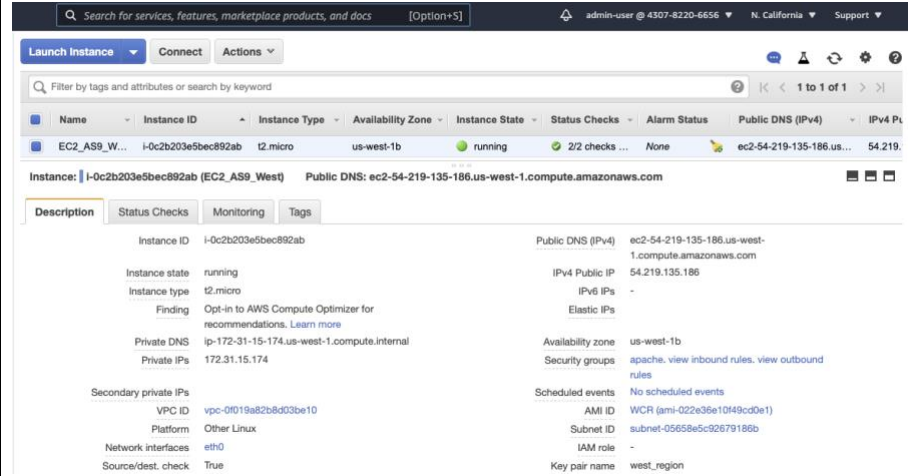


Owned by me Add filter

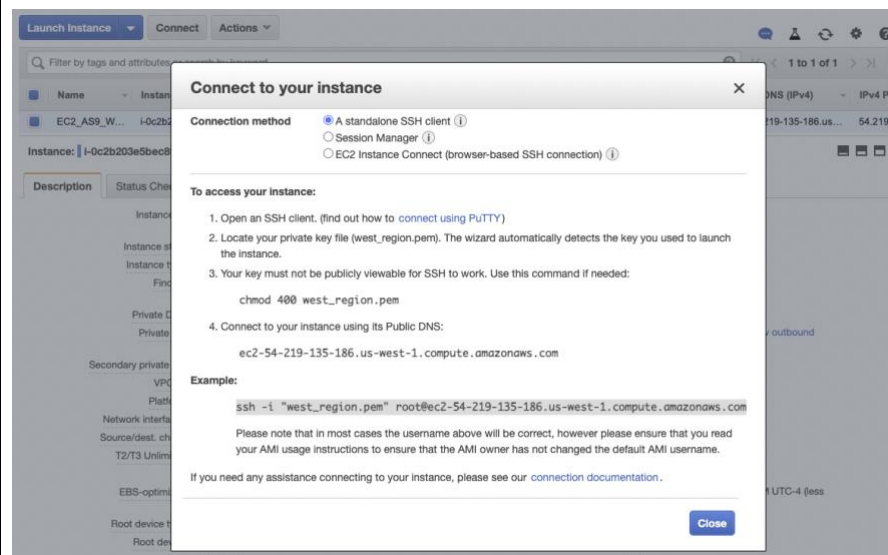
1 to 1 of 1

Name	AMI Name	AMI ID	Source	Owner	Visibility	Status	Creation Date	Platform
WCR		ami-022e36e10f49cd0e1	430782206656/...	430782206656	Private	available	November 5, 2021 at 3:57:3...	Other

create a new ec2 instance from AMI you upload in the west coast region



launch the instance



```
(base) sisizhang@Sisiis-MacBook-Pro:~$ key % sudo ssh -i "west_region.pem" ec2-user@ec2-54-219-135-186.us-west-1.compute.amazonaws.com
Last login: Fri Nov 5 18:53:31 2021 from ip72-196-199-101.dc.dc.cox.net

    _ _ _ _ _
   _l ( _ _ l _ )
  _l | _ _ _ | _ |
 _ _ l _ _ _ _ l _ _ _ _

Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-15-174 ~]$
```

```
[ec2-user@ip-172-31-15-174 ~]$ sudo yum info httpd
Loaded plugins: extras_suggestions, langpacks, priorities, update-mod
Installed Packages
Name : httpd
Arch : x86_64
Version : 2.4.51
Release : 1.amzn2
Size : 6.1 M
Repo : installed
From repo : amzn2-core
Summary : Apache HTTP Server
URL : https://httpd.apache.org/
License : ASL 2.0
Description : The Apache HTTP Server is a powerful, efficient, and extensible
            : web server.

→ ↺ ↻ ⌂ Not Secure ec2-54-219-153-180.us-west-1.compute.amazonaws.com
Apps  浏览器书签管理...  Pyrearranging Tool...  百度网盘...  WhatsApp  Grouper  GW  data science  R  Python  SQL  Job  ...  Other Bookmarks  Reading Li...
```

Test Page

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, it is undergoing routine maintenance,

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 `/usr/httpd.conf.d/welcome.conf`.

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

For example, if you experienced problems while visiting `www.example.com`, you should send email to "webmaster@example.com".