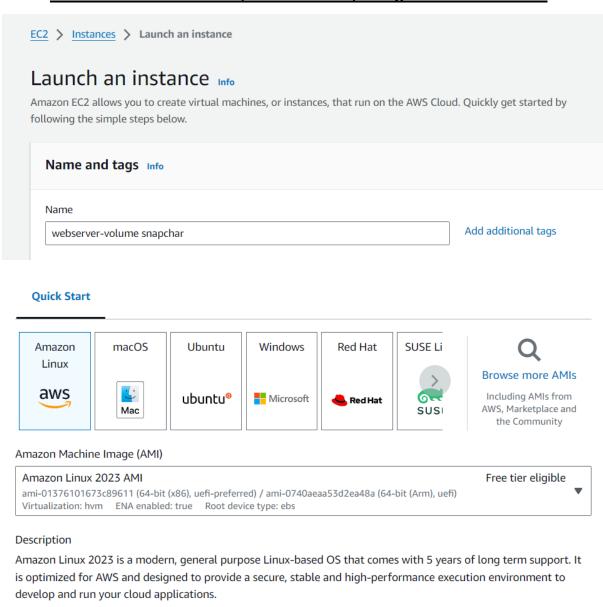
Task 13: Launch an EC2 instance (Linux and Windows) along with a web server. Then, create an EBS volume of 5 GB, attach it to an EC2 machine (Linux and Windows), and take a snapshot. Finally, create an EBS volume using the taken snapshot.

1. Launch an EC2 instance (amazon Linux) along with a web server:





Firewall (security groups) Info A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance. Create security group Select existing security group We'll create a new security group called 'launch-wizard-1' with the following rules: ☐ Allow SSH traffic from Helps you connect to your instance ✓ Allow HTTPS traffic from the internet To set up an endpoint, for example when creating a web server ☐ Allow HTTP traffic from the internet To set up an endpoint, for example when creating a web server Edit inbound rules Info Inbound rules control the incoming traffic that's allowed to reach the instance. Inbound rules Info Security group rule ID Port range Description - optional Info Type Info sgr-0692ffc2e59f0f5d7 HTTPS 443 Custom ▼ Q Delete 0.0.0.0/0 🗙 Add rule Inbound rules Outbound rules Inbound rules (2) Edit inbound rules Q Search < 1 > Security group rule... IP version Type Port range HTTPS sgr-00606d54ef1587b... TCP 443 Instances (1/3) Info Connect Instance state ▼ Launch instances ▼ < 1 > @ Q Find Instance by attribute or tag (case-sensitive) All states ▼ Name 🔏 ▼ Instance ID Instance type ▼ Status check Alarm status Availability Zone ▼ Public IPv4 i-073dc0eb17845873a ⊗ Running ⊕ ⊖ t2.micro ec2-13-23 ⊗ Running ② Q ec2-13-126 webserver-vol... i-Occfb398bdea837ea t2.micro ap-south-1a i-058387bbec90d47d8 ⊗ Running ⊕ Q ec2-15-206 linuxwebserver t2.micro ap-south-1a

Private IPv4 addresses

172.31.37.166

i-Occfb398bdea837ea (webserver-volume snapchar)

Monitoring Security Networking Storage Tags

Public IPv4 address

□ 13.126.152.49 | open address 🖸

Status and alarms

i-Occfb398bdea837ea (webserver-volume snapchar)

Details

Instance ID

▼ Instance summary Info

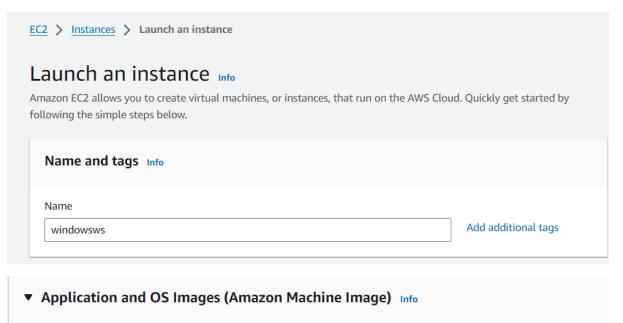
```
ec2-user@ip-172-31-37-166 -]$ sudo yum update
ast metadata expiration check: 0:25:29 ago on Tue Jul 9 10:48:15 2024.
spendencies resolved.
othing to do.
ompiete!
 implete:
sc2-user8ip-172-31-37-166 ~|$ sudo yum install httpd
ast metadata expiration check: 0:25:58 ago on Tue Jul 9 10:48:15 2024.
spendencies resolved.
                                                                                                 Architecture
nstalling:
                                                                                                                                                                        2.4.59-2.amzn2023
httpd
nstalling dependencies:
                                                                                                                                                                                                                                                                                      amazonlinux
                                                                                                                                                                                                                                                                                                                                                                       129 k
98 k
19 k
1.4 M
14 k
81 k
315 k
apr
apr-util
generic-logos-httpd
httpd-core
httpd-filesystem
httpd-tools
mailcap
mstalling weak dependencies:
apr-util-openssl
                                                                                                  x86_64
x86_64
x86_64
                                                                                                                                                                        1.6.3-1.amzn2023.0.1
2.0.27-1.amzn2023.0.2
2.4.59-2.amzn2023
apr-utr.
mod_http2
Installing : mod_http2-2.0.27-1.amzn2023.0.2.x86_64
Installing : mod_lua-2.4.59-2.amzn2023.x86_64
Installing : mod_lua-2.4.59-2.amzn2023.x86_64
Installing : httpd-2.4.59-2.amzn2023.x86_64
Installing : httpd-2.4.59-2.amzn2023.x86_64
Installing : httpd-2.4.59-2.amzn2023.x86_64
Installing : httpd-2.4.59-2.amzn2023.x86_64
Installing : apr-1.7.2-2.amzn2023.0.1.x86_64
Installing : apr-util-0penssl-1.6.3-1.amzn2023.0.1.x86_64
Installing : apr-util-0penssl-1.6.3-1.amzn2023.0.1.x86_64
Installing : generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch
Installing : httpd-2.4.59-2.amzn2023.x86_64
Installing : httpd-core-2.4.59-2.amzn2023.x86_64
Installing : httpd-filesystem-2.4.59-2.amzn2023.x86_64
Installing : httpd-filesystem-2.4.59-2.amzn2023.x86_64
Installing : httpd-filesystem-2.4.59-2.amzn2023.x86_64
Installing : mod_http2-2.0.27-1.amzn2023.0.2.x86_64
Installing : mod_lua-2.4.59-2.amzn2023.x86_64
nstalled:
apr-1.7.2-2.amzn2023.0.2.x86_64
generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch
httpd-filesystem-2.4.5-9-2.amzn2023.noarch
mailcap-2.1.49-3.amzn2023.0.3.noarch
                                                                                                                                                 apr-util-1.6.3-1.amzn2023.0.1.x86_64
httpd-2.4.59-2.amzn2023.x86_64
httpd-tools-2.4.59-2.amzn2023.x86_64
mod_http2-2.0.27-1.amzn2023.0.2.x86_64
                                                                                                                                                                                                                                                                        apr-util-openss1-1.6.3-1.amzn2023.0.1.x86_64
httpd-core-2.4.59-2.amzn2023.x86_64
libbrotli-1.0.9-4.amzn2023.0.2.x86_64
mod_lua-2.4.59-2.amzn2023.x86_64
 omplete!
sc2-user@ip-172-31-37-166 ~]$ sudo service httpd start
ddirecting to /bin/systemctl start httpd.service
sc2-user@ip-172-31-37-166 ~]$
               Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; preset: disabled)
               Active: active (running) since Wed 2024-07-10 05:13:36 UTC; 51s ago
                     Docs: man:httpd.service(8)
       Main PID: 26055 (httpd)
Status: "Total requests: 0; Idle/Busy workers 100/0; Requests/sec: 0; Bytes served/sec: 0 B/sec"
                 Tasks: 177 (limit: 1114)
              Memory: 12.9M
CPU: 92ms
```



⚠ Not secure 13.126.152.49

It works!

2. <u>Launch an EC2 instance (windows) along with a web server:</u>



An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Q Search our full catalog including 1000s of application and OS images

Recents Quick Start

Linux

Amazon

Mac

macOS

Ubuntu

ubuntu[®]

Windows



Red Hat



SUSE Li



Q

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community Subnet Info

No preference (Default subnet in any availability zone)

Auto-assign public IP Info

Enable

Additional charges apply when outside of free tier allowance

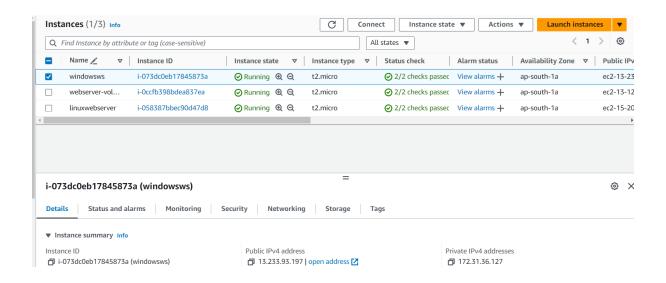
Firewall (security groups) Info

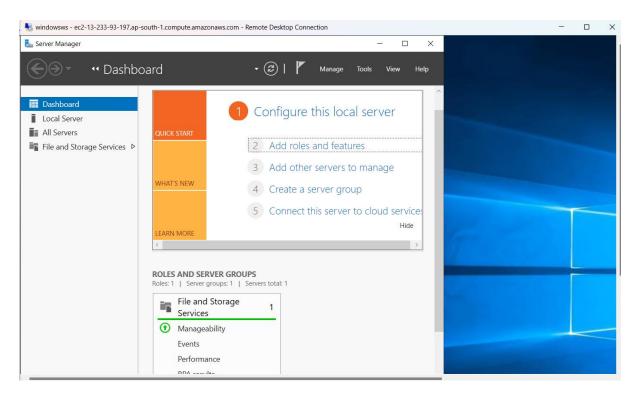
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.



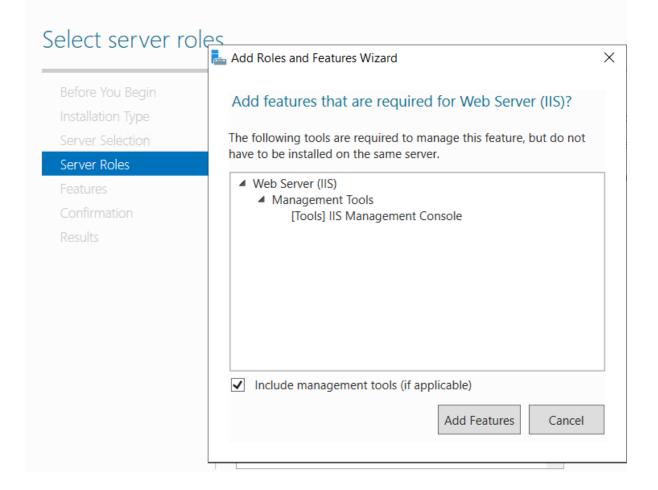
We'll create a new security group called 'launch-wizard-2' with the following rules:







La Add Roles and Features Wizard



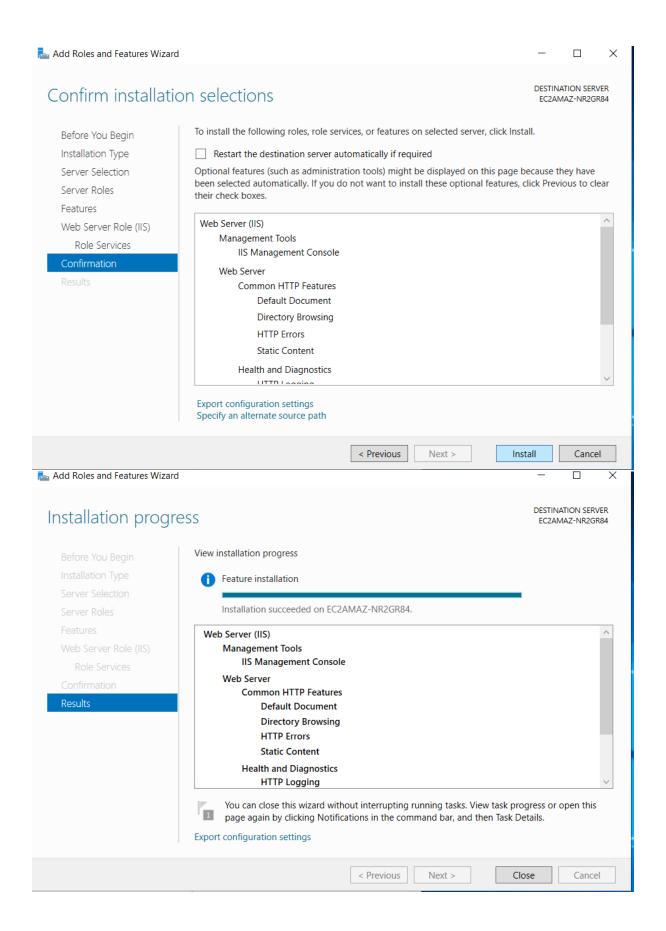
< Previous

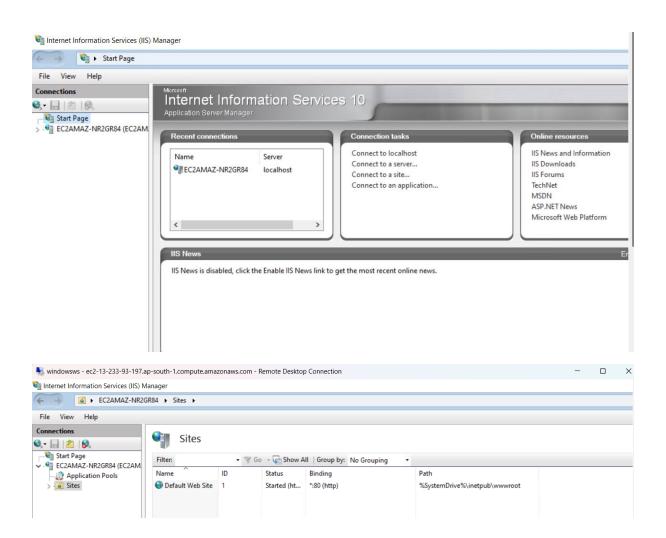
Next >

Install

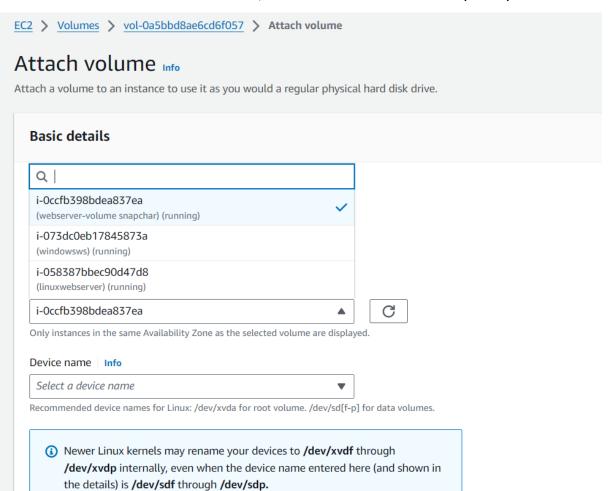
Cancel

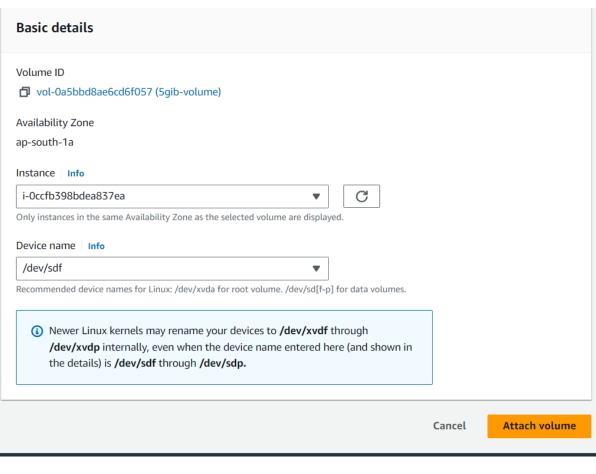
Windows Deployment Services

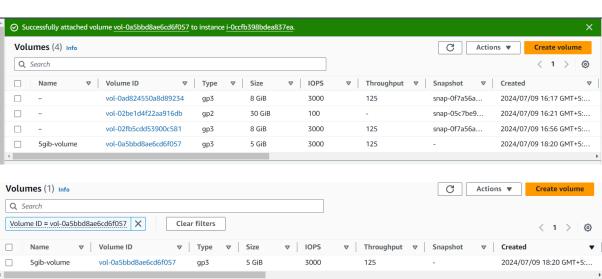


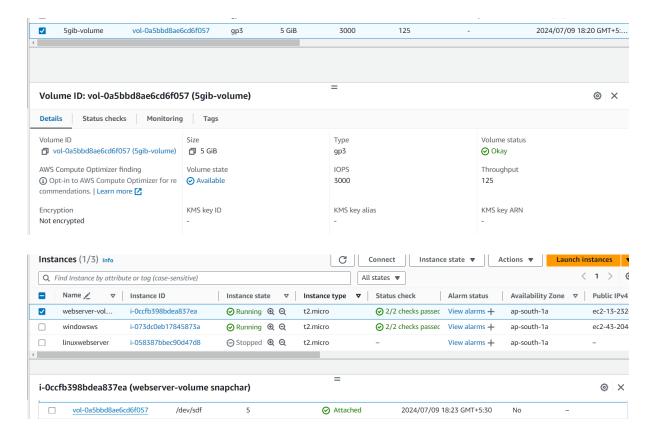


3. create an EBS volume of 5 GB, attach it to an EC2 machine (Linux):

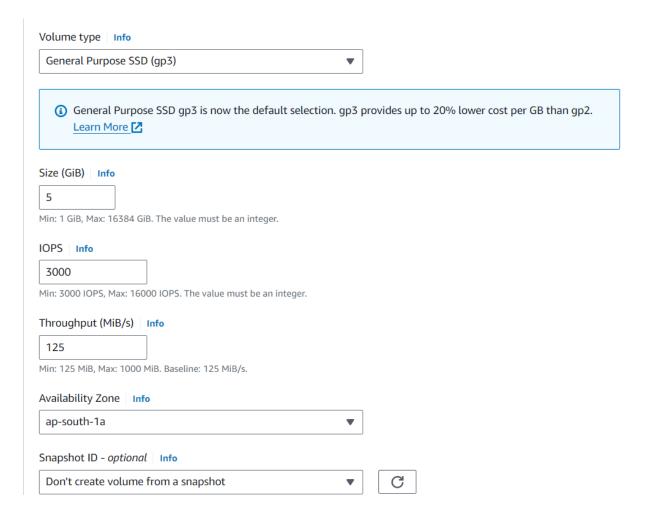


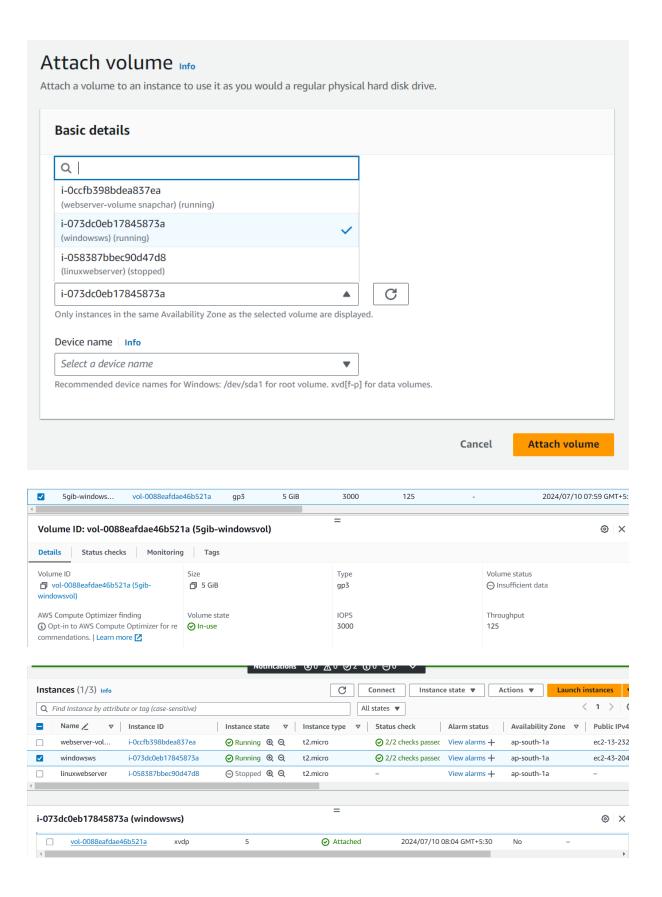






4. create an EBS volume of 5 GB, attach it to an EC2 machine (windows):





5. snapshot for Linux & Windows:

