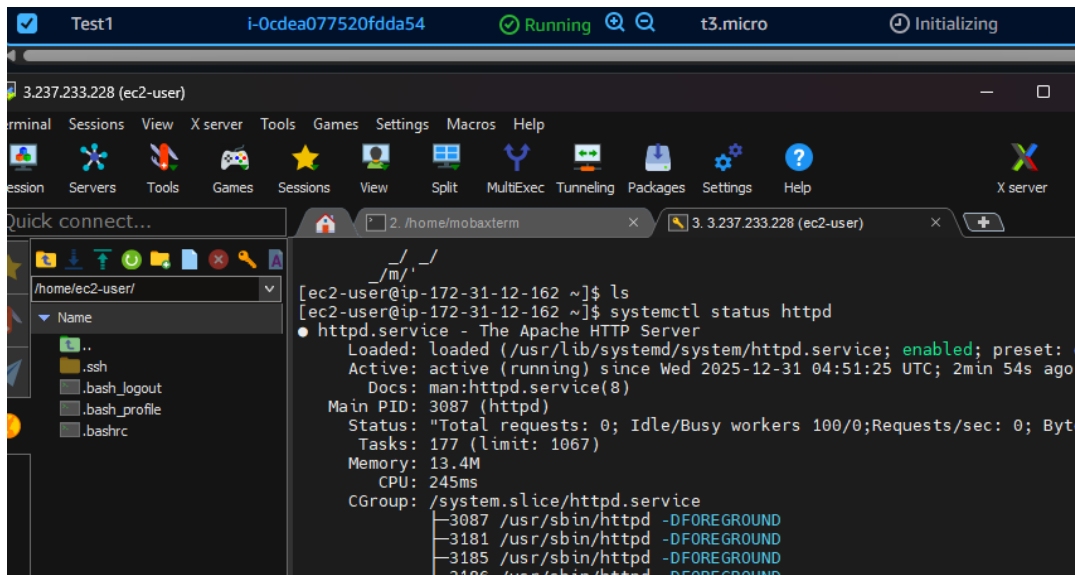


Cloud Server Tasks - 01

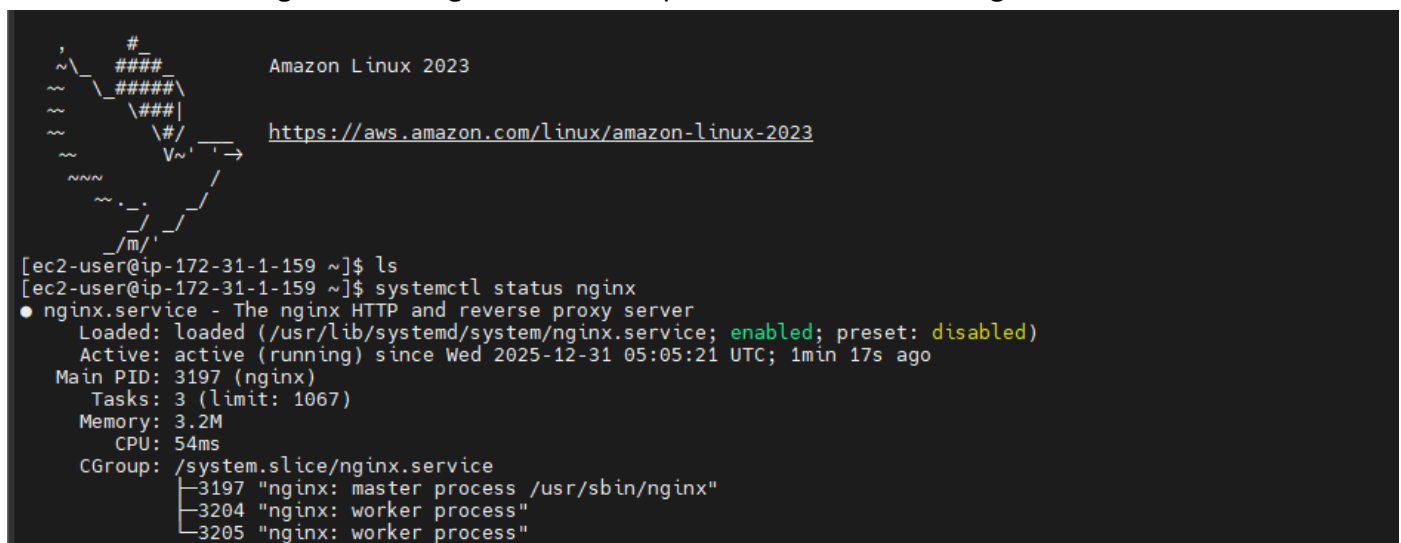
- Launch one EC2 using Amazon Linux 2 image and add a script in user data to install Apache.



The screenshot shows a terminal window with a dark background. The top bar indicates the instance is 'Running' and shows the ID 'i-0cdea077520fdda54' and type 't3.micro'. The terminal prompt is '[ec2-user@ip-172-31-12-162 ~]\$'. The user has run 'ls' and then 'systemctl status httpd'. The output shows that the 'httpd.service' is loaded and active (running) since Wednesday, December 31, 2025, at 04:51:25 UTC. It is enabled and has a preset of 'disabled'. The main PID is 3087. The status shows 177 tasks (limit 1067), 13.4M memory, and 245ms CPU. The CGroup is '/system.slice/httpd.service'. The processes listed are: 3087 /usr/sbin/httpd -DFOREGROUND, 3181 /usr/sbin/httpd -DFOREGROUND, 3185 /usr/sbin/httpd -DFOREGROUND, and 3186 /usr/sbin/httpd -DFOREGROUND.

```
[ec2-user@ip-172-31-12-162 ~]$ ls
[ec2-user@ip-172-31-12-162 ~]$ systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; preset: disabled)
   Active: active (running) since Wed 2025-12-31 04:51:25 UTC; 2min 54s ago
     Docs: man:httpd.service(8)
   Main PID: 3087 (httpd)
    Status: "Total requests: 0; Idle/Busy workers 100/0; Requests/sec: 0; Bytes served: 0"
   Tasks: 177 (limit: 1067)
  Memory: 13.4M
     CPU: 245ms
    CGroup: /system.slice/httpd.service
            └─3087 /usr/sbin/httpd -DFOREGROUND
              └─3181 /usr/sbin/httpd -DFOREGROUND
                └─3185 /usr/sbin/httpd -DFOREGROUND
                  └─3186 /usr/sbin/httpd -DFOREGROUND
```

- Launch one EC2 using Ubuntu image and add a script in user data to install Nginx.

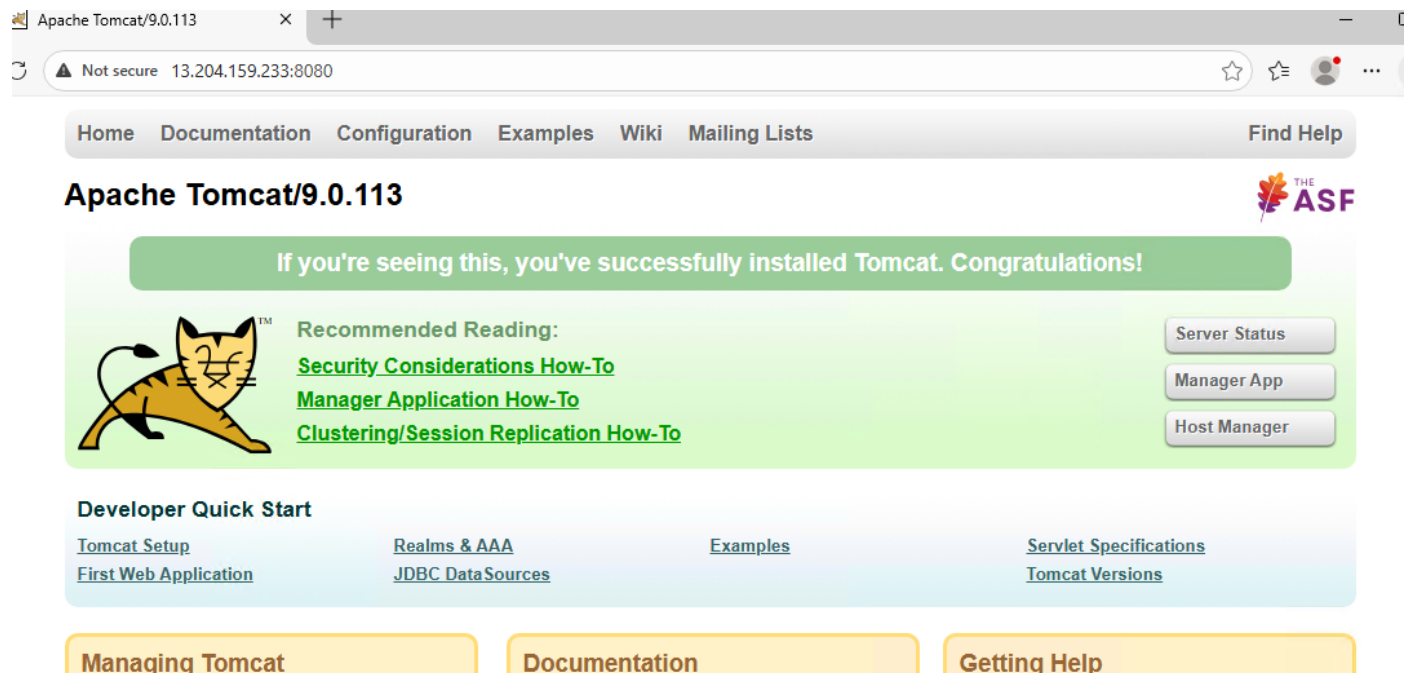


The screenshot shows a terminal window with a dark background. The top bar indicates the instance is 'Running' and shows the ID 'i-0cdea077520fdda54' and type 't3.micro'. The terminal prompt is '[ec2-user@ip-172-31-1-159 ~]\$'. The user has run 'ls' and then 'systemctl status nginx'. The output shows that the 'nginx.service' is loaded and active (running) since Wednesday, December 31, 2025, at 05:05:21 UTC. It is enabled and has a preset of 'disabled'. The main PID is 3197. The status shows 3 tasks (limit 1067), 3.2M memory, and 54ms CPU. The CGroup is '/system.slice/nginx.service'. The processes listed are: 3197 "nginx: master process /usr/sbin/nginx", 3204 "nginx: worker process", and 3205 "nginx: worker process".

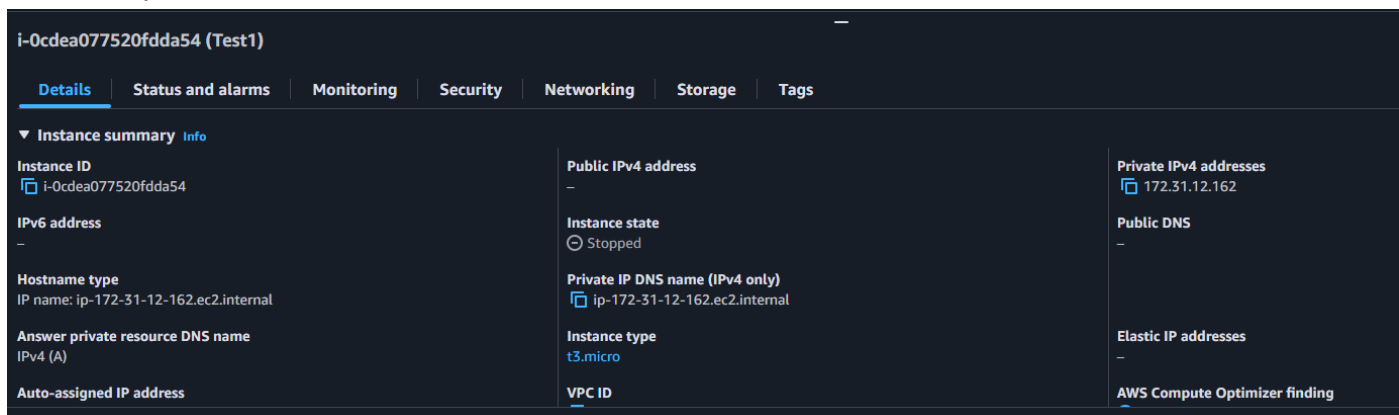
```
[ec2-user@ip-172-31-1-159 ~]$ ls
[ec2-user@ip-172-31-1-159 ~]$ systemctl status nginx
● nginx.service - The nginx HTTP and reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; preset: disabled)
   Active: active (running) since Wed 2025-12-31 05:05:21 UTC; 1min 17s ago
     Docs: https://wiki.nginx.org
   Main PID: 3197 (nginx)
    Tasks: 3 (limit: 1067)
  Memory: 3.2M
     CPU: 54ms
    CGroup: /system.slice/nginx.service
            └─3197 "nginx: master process /usr/sbin/nginx"
              └─3204 "nginx: worker process"
                └─3205 "nginx: worker process"
```

Cloud Server Tasks - 01

- Launch one Windows server and install Tomcat on Windows.



- Take a snapshot of the instance created in Task 1.

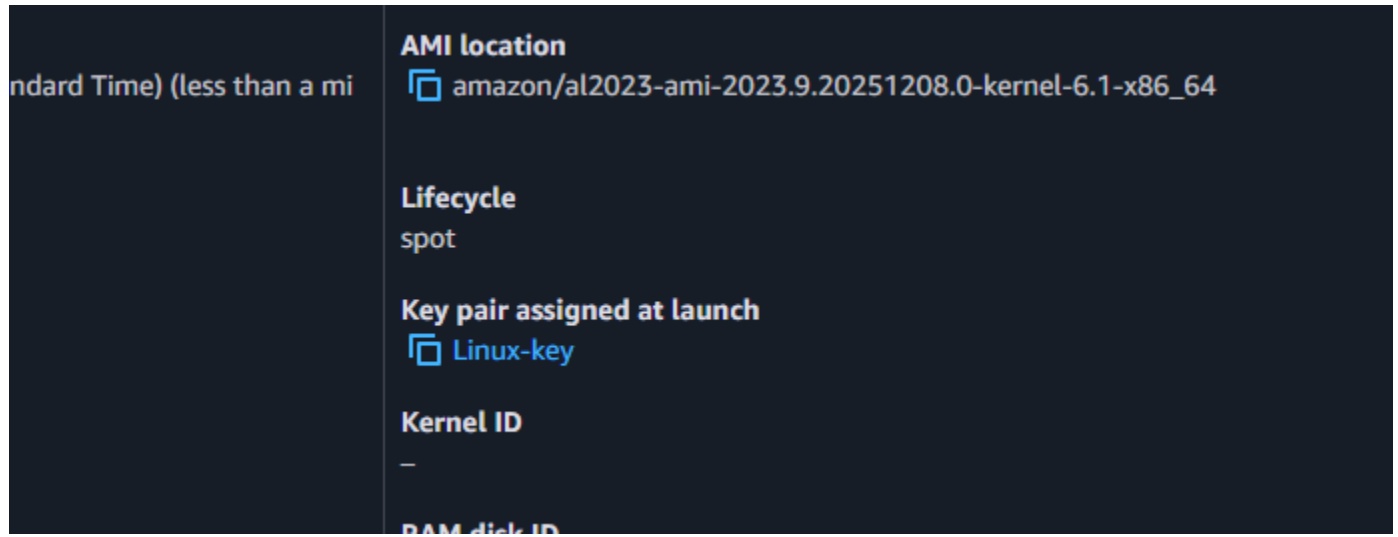


- Assign passwordless authentication for the EC2 created in Task 2.

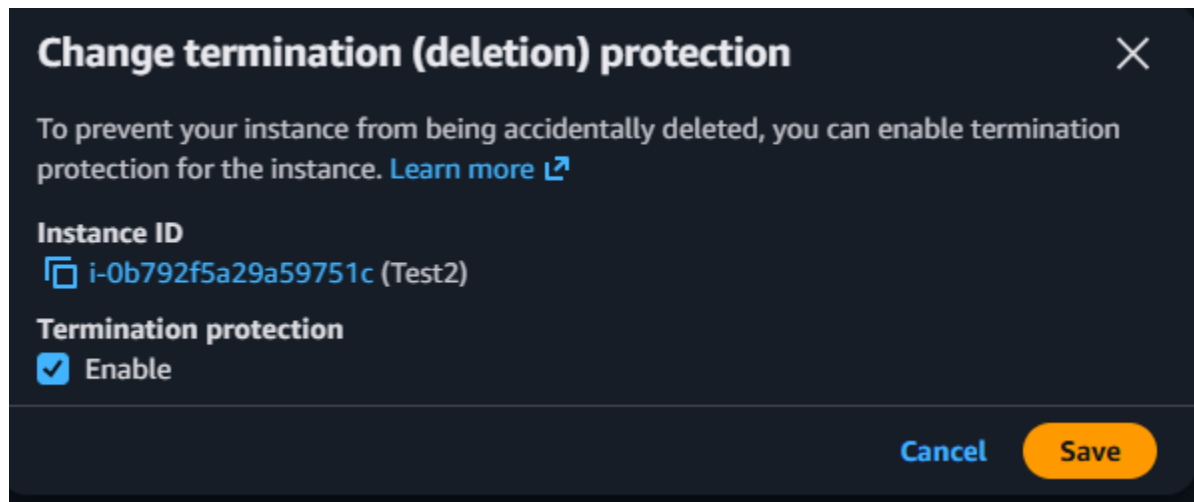


Cloud Server Tasks - 01

- Launch any EC2 using the spot purchasing option.



- Enable termination policy on the EC2 created in Task 2.



Cloud Server Tasks - 01

- Launch one EC2 using AWS CLI.

```
    "PublicDnsName": "ec2-174-129-46-47.compute-1.amazonaws.com",
    "StateTransitionReason": "",
    "KeyName": "my-key",
    "AmiLaunchIndex": 0,
    "ProductCodes": [],
    "InstanceType": "t2.micro",
    "LaunchTime": "2025-12-31T09:11:48+00:00",
    "Placement": {
      "AvailabilityZoneId": "use1-az4",
      "GroupName": "",
      "Tenancy": "default",
      "AvailabilityZone": "us-east-1c"
    },
    "Monitoring": {
      "State": "disabled"
    },
    "SubnetId": "subnet-03359b810cca6065b",
    "VpcId": "vpc-06d0c00cc6b058902",
    "PrivateIpAddress": "172.31.17.123",
    "PublicIpAddress": "174.129.46.47"
  }
]
}
]

iqaas@LAPTOP-VG025G9U MINGW64 ~/Desktop
$ ssh -i my-key.pem ec2-user@174.129.46.47
#_
~\_ #####_
~\_ #####\
~\_ \###|
~\_ \#/ _____ Amazon Linux 2023 (ECS Optimized)
~\_ V~' '->
~\_ .-
~\_ /-
~\_ /m/'

for documentation, visit http://aws.amazon.com/documentation/ecs
last login: Wed Dec 31 09:15:17 2025 from 103.203.172.230
ec2-user@ip-172-31-17-123 ~]$
```