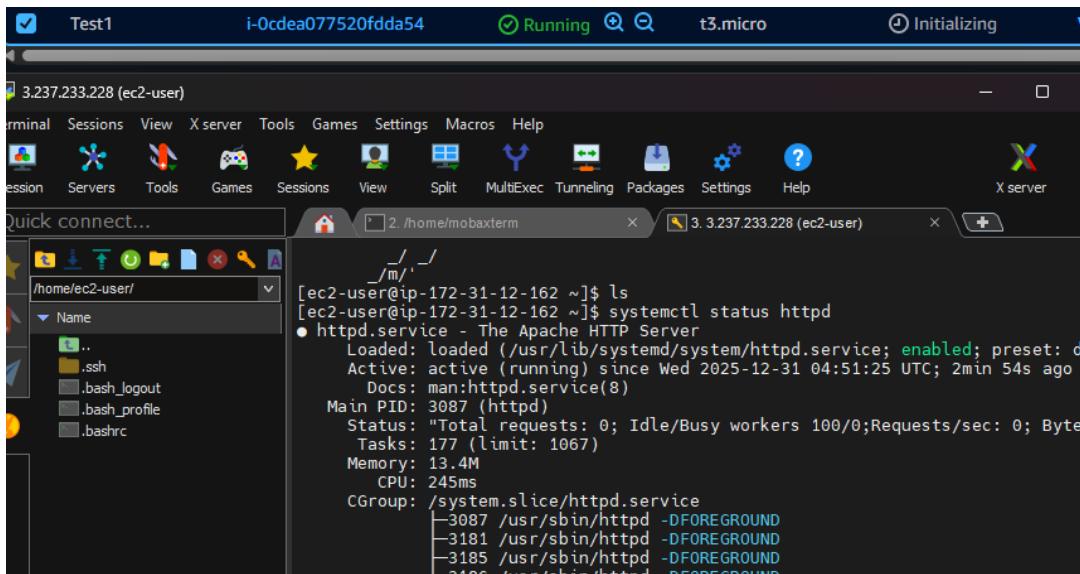


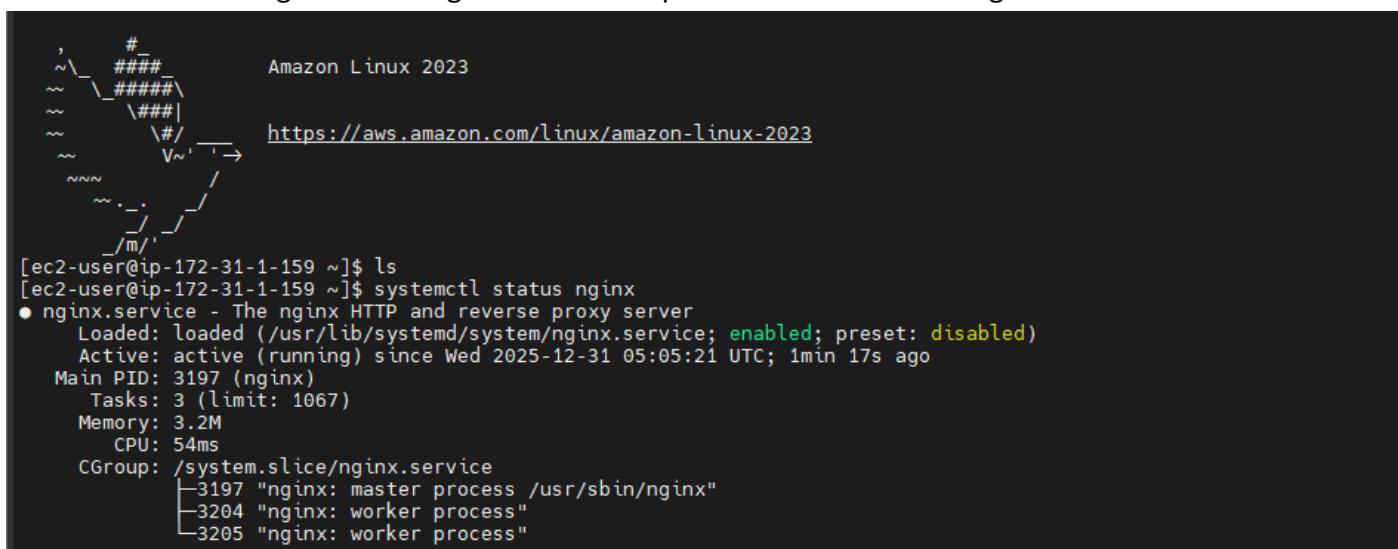
Cloud Server Tasks - 01

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



```
[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: d
      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; Byte
     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.



```
[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
    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.

The screenshot shows the Apache Tomcat 9.0.113 homepage. The URL in the address bar is `Not secure 13.204.159.233:8080`. The main content area has a green header with the text: "If you're seeing this, you've successfully installed Tomcat. Congratulations!". Below this, there's a cartoon cat logo and a section titled "Recommended Reading" with links to "Security Considerations How-To", "Manager Application How-To", and "Clustering/Session Replication How-To". On the right side, there are three buttons: "Server Status", "Manager App", and "Host Manager". At the bottom, there are several navigation links: "Developer Quick Start" (with "Tomcat Setup" and "First Web Application"), "Realms & AAA" (with "JDBC DataSources"), "Examples", "Servlet Specifications" (with "Tomcat Versions"), and "Documentation". Below these, there are three tabs: "Managing Tomcat" (selected), "Documentation" (disabled), and "Getting Help" (disabled).

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

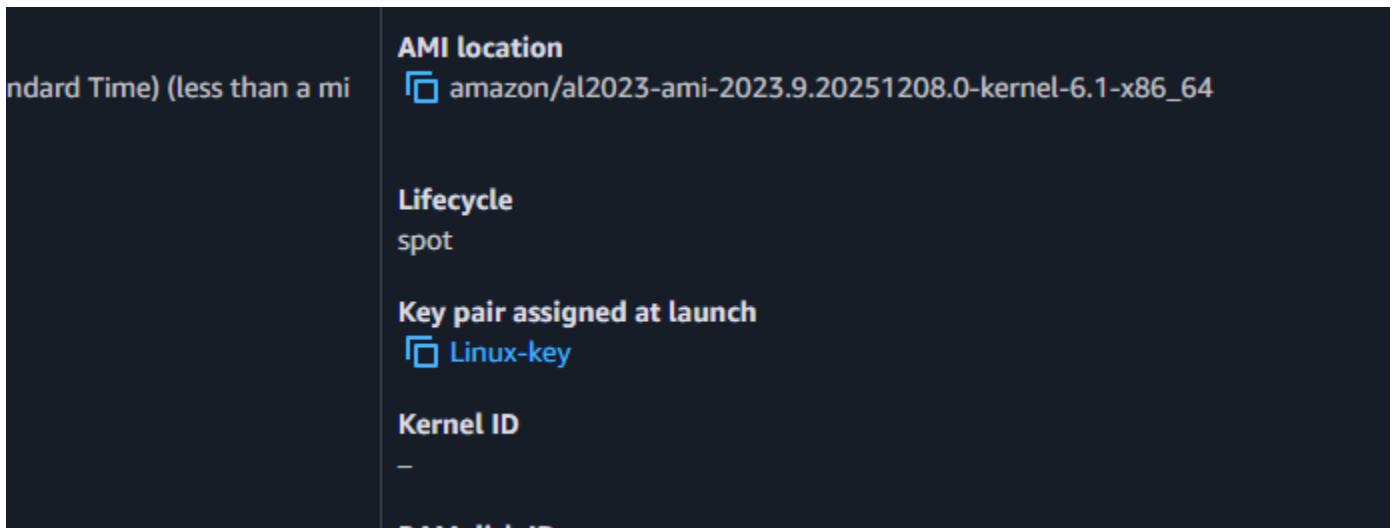
The screenshot shows the AWS CloudWatch Metrics console for an EC2 instance named "Test1". The instance ID is listed as "i-0cdea077520fdda54". The instance state is "Stopped". Other visible metrics include the Public IPv4 address (empty), Private IP DNS name (ip-172-31-12-162.ec2.internal), Instance type (t3.micro), and VPC ID (empty). There are also sections for Private IPv4 addresses (172.31.12.162), Public DNS (empty), Elastic IP addresses (empty), and AWS Compute Optimizer finding (empty).

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

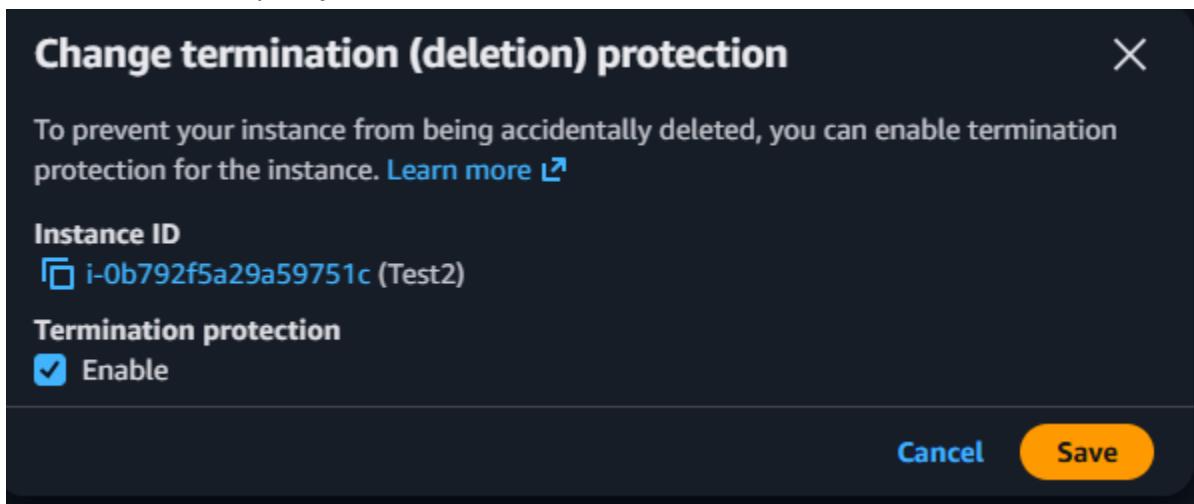
```
Viaqas@LAPTOP-VG025G9U MINGW64 ~/Downloads
$ ssh ec2-user@98.81.69.52
,
#_
~\_\_ #####_      Amazon Linux 2023
~~ \#####\
~~ \##|
~~ \#/ __ https://aws.amazon.com/linux/amazon-linux-2023
~~ V~, ' ->
~~ .-.
~~ / \
~~ /m/
Last Login: Wed Dec 31 07:51:41 2025 from 103.203.172.230
```

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.

```
    "PrivateIpAddress": "172.31.17.123",
    "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 ~]\$