

Yeshwanth Chauhan

Create VPC SUBNETS ROUTABLE INTERNETGATEWAY

Create an EC2 instance login into it

Create a cloud watch service for it and monitor your instance for two conditions 60% and 25%

The screenshot displays the AWS Management Console for the 'us-east-1' region. The 'Instances' page shows a list of instances, with 'DefaultInstance' (i-058a65ec1a0311c29) selected. The instance is in a 'Running' state. The details pane for this instance shows the following information:

- Instance summary:** Instance ID: i-058a65ec1a0311c29 (DefaultInstance), Public IPv4 address: 3.85.145.226, Instance state: Running, Private IP DNS name (IPv4 only): ip-172-32-0-165.ec2.internal, Instance type: t2.micro, VPC ID: vpc-080510ec70db5ada9 (VPC1), Subnet ID: subnet-0b374219184d075e3 (Sub1).
- Instance details:** Platform: Amazon Linux (Inferred), AMI ID: ami-006dcf34c09e50022, AMI name: amzn2-ami-kernel-5.10-hvm-2.0.20230221.0-x86\_64-gp2, Launch time: 2023-03-09 18:47:00.

The screenshot displays the AWS Management Console for the 'us-east-1' region, specifically the 'CloudWatch' > 'Alarms' page. The 'Alarms (2)' section shows two alarms:

Name	State	Last state update	Conditions	Actions
low	low	2023-03-09 18:57:04	CPUUtilization < 25 for 3 datapoints within 20 minutes	Actions enabled
high	OK	2023-03-09 18:47:00	CPUUtilization > 60 for 3 datapoints within 20 minutes	Actions enabled

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The image displays two screenshots from the AWS Management Console. The top screenshot shows a terminal session on an Amazon Linux 2 AMI. The terminal output includes the following commands and results:

```
https://aws.amazon.com/amazon-linux-2/
15 package(s) needed for security, out of 17 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-32-0-165 ~]$ sudo yum update
...
[ec2-user@ip-172-32-0-165 ~]$ sudo yum update
...
[ec2-user@ip-172-32-0-165 ~]$
```

The bottom screenshot shows the AWS CloudWatch console. The left sidebar displays the navigation menu with sections like Alarms, Logs, Metrics, X-Ray traces, Events, Application monitoring, and Insights. The main content area shows the 'Alarms' page for the 'high' alarm. The 'Graph' section displays a line chart for 'CPUUtilization' over time, with a peak around 12:45. The 'Details' section provides information about the alarm:

Name	State	Namespace	Datapoints to alarm
high	OK	AWS/EC2	3 out of 4
Type	Threshold	Metric name	Missing data treatment
Metric alarm	CPUUtilization > 60 for 3 datapoints within 20 minutes	CPUUtilization	Treat missing data as missing
Description	Last change	Instanceid	Percentiles with low samples



