

AWS Management Console Instances | EC2 Manager Create role | IAM | Global CloudWatch Manager Settings - Search engine why cloud watch use - G + N. Virginia Subham Pradhan

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

aws Services Search [Alt+S] Instances (1/1) Info C Connect Instance state Actions Launch instances Find instance by attribute or tag (case-sensitive) < 1 > gear

New EC2 Experience Tell us what you think EC2 Dashboard EC2 Global View Events Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Scheduled Instances Capacity Reservations Images AMIs

Instance: i-0d34af36b4b70ed4a (Production-server)

Details Security Networking Storage Status checks Monitoring Tags

Instance summary Instance ID: i-0d34af36b4b70ed4a (Production-server) Public IPv4 address: 100.26.240.122 | open address Private IPv4 addresses: 172.31.53.33 IPv6 address: - Instance state: Running Public IPv4 DNS: ec2-100-26-240-122.compute-1.amazonaws.com | open address

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AWS Management Console Instances | EC2 Manager Create role | IAM | G CloudWatch Manager Settings - Search engine why cloud watch use - G + VPN

us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/roles/create?step=selectEntities

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IAM > Roles > Create role

Step 1

Select trusted entity

Step 2

Add permissions

Step 3

Name, review, and create

Select trusted entity Info

Trusted entity type

AWS service

Allow AWS services like EC2, Lambda, or others to perform actions in this account.

AWS account

Allow entities in other AWS accounts belonging to you or a 3rd party to perform actions in this account.

Web identity

Allows users federated by the specified external web identity provider to assume this role to perform actions in this account.

SAML 2.0 federation

Allow users federated with SAML 2.0 from a corporate directory to perform actions in this account.

Custom trust policy

Create a custom trust policy to enable others to perform actions in this account.

Use case

Allow an AWS service like EC2, Lambda, or others to perform actions in this account.

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us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/roles/create?step=selectEntities ↗ 4 A 1 VPN Global Subham Pradhan

Services Search [Alt+S]

account. perform actions in this account.

SAML 2.0 federation Allow users federated with SAML 2.0 from a corporate directory to perform actions in this account.

Custom trust policy Create a custom trust policy to enable others to perform actions in this account.

Use case

Allow an AWS service like EC2, Lambda, or others to perform actions in this account.

Common use cases

EC2 Allows EC2 instances to call AWS services on your behalf.

Lambda Allows Lambda functions to call AWS services on your behalf.

Use cases for other AWS services:

Choose a service to view use case ▾

Cancel Next

AWS Management Console Instances | EC2 Manager Create role | IAM | G CloudWatch Manager Settings - Search engine why cloud watch use - G +
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/roles/create?commonUseCase... ↗ 4 A 1 VPN Global Subham Pradhan

IAM > Roles > Create role

Step 1 Select trusted entity

Step 2 Add permissions

Step 3 Name, review, and create

Add permissions Info

Permissions policies (Selected 2/874) Info

Choose one or more policies to attach to your new role.

Filter policies by property or policy name and press enter. 2 matches < 1 > Settings

"cloudwatchagen" X Clear filters

<input checked="" type="checkbox"/>	Policy name <small>Info</small>	Type	Description
<input checked="" type="checkbox"/>	 CloudWatchAgentA...	AWS m...	Full permissions required to use AmazonCloudWatchAgent.
<input checked="" type="checkbox"/>	 CloudWatchAgentS...	AWS m...	Permissions required to use AmazonCloudWatchAgent on s...

► Set permissions boundary - optional Info

Set a permissions boundary to control the maximum permissions this role can have. This is not a common setting, but you can use it to delegate permission management to others.

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Name, review, and create

Role details

Role name

Enter a meaningful name to identify this role.

Step 3

Name, review, and create

Maximum 64 characters. Use alphanumeric and '+-_.@-' characters

Description

Add a short explanation for this role.

Allows EC2 instances to call AWS services on your behalf.

Maximum 1000 characters. Use alphanumeric and '+,-,@,_' characters.

Step 1: Select trusted entities

Edit

```
1 ▾ {  
2     "Version": "2012-10-17",  
3     "Statement": [  
4         {  
5             "Effect": "Allow",  
6             "Action": "logs:CreateLogGroup",  
7             "Resource": "*"  
8         },  
9         {  
10            "Effect": "Allow",  
11            "Action": "logs:PutLogEvents",  
12            "Resource": "*"  
13        }  
14    ]  
15 }
```

AWS Management Console Instances | EC2 Manager CloudWatchRole | IAM | CloudWatch Manager Settings - Search engine why cloud watch use - G + N. Virginia Subham Pradhan

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

aws Services Search [Alt+S]

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Events
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 Instances
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 Spot Requests
 Savings Plans
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 Dedicated Hosts
 Scheduled Instances
 Capacity Reservations

Images
 AMIs

Instances (1/1) Info C Connect Instance state ▾ Actions ▾ Launch instances ▾

Find instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type
Production-se...	i-0d34af36b4b70ed4a	Running	t2.micro

Change security groups
Get Windows password
Modify IAM role
Monitor and troubleshoot

Instance: i-0d34af36b4b70ed4a (Production-server)

Details Security Networking Storage Status checks Monitoring Tags

Instance summary Info

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0d34af36b4b70ed4a (Production-server)	100.26.240.122 open address ↗	172.31.53.33
IPv6 address	Instance state	Public IPv4 DNS
-	Running	ec2-100-26-240-122.compute-1.amazonaws.com open address ↗

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AWS Management Console Modify IAM role | EC CloudWatchRole | IAM CloudWatch Manager Settings - Search engine why cloud watch use - G +
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#ModifyIAMRole:instanceId=i-0d34af36b4b70ed4a ↻ 🔍 A 1 VPN N. Virginia Subham Pradhan



[EC2](#) > [Instances](#) > [i-0d34af36b4b70ed4a](#) > [Modify IAM role](#)

Modify IAM role Info

Attach an IAM role to your instance.

Instance ID

[i-0d34af36b4b70ed4a](#) (Production-server)

IAM role

Select an IAM role to attach to your instance or create a new role if you haven't created any. The role you select replaces any roles that are currently attached to your instance.

CloudWatchRole



Create new IAM role

Cancel

Update IAM role

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root@ip-172-31-53-33: ~

```
1. linux  
2. windows  
3. darwin  
default choice: [1]:  
1  
Trying to fetch the default region based on ec2 metadata...  
Are you using EC2 or On-Premises hosts?
```

```
1. EC2  
2. On-Premises  
default choice: [1]:  
1
```

Which user are you planning to run the agent?

```
1. root  
2. cwagent  
3. others  
default choice: [1]:  
1
```

Do you want to turn on StatsD daemon?

```
1. yes  
2. no  
default choice: [1]:  
2
```

Do you want to monitor metrics from CollectD? WARNING: CollectD must be installed or the Agent will fail to start

```
1. yes  
2. no  
default choice: [1]:  
2
```

Do you want to monitor any host metrics? e.g. CPU, memory, etc.

```
1. yes  
2. no  
default choice: [1]:  
1
```

Do you want to monitor cpu metrics per core?

```
1. yes  
2. no  
default choice: [1]:  
1
```

Do you want to add ec2 dimensions (ImageId, InstanceId, InstanceType, AutoScalingGroupName) into all of your metrics if the info is available?

```
1. yes  
2. no  
default choice: [1]:  
1
```

Do you want to aggregate ec2 dimensions (InstanceId)?

```
1. yes  
2. no  
default choice: [1]:  
1
```

Would you like to collect your metrics at high resolution (sub-minute resolution)? This enables sub-minute resolution for all metrics, but you can customize for specific metrics in the output json file.



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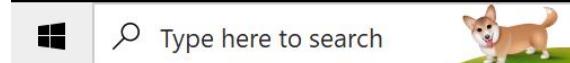
03:31 PM
26-08-2023

```
root@ip-172-31-53-33:~  
        "metrics_collection_interval": 60  
    }  
}  
}  
Are you satisfied with the above config? Note: it can be manually customized after the wizard completes to add additional items.  
1. yes  
2. no  
default choice: [1]:  
1  
Do you have any existing Cloudwatch Log Agent (http://docs.aws.amazon.com/AmazonCloudWatch/latest/logs/AgentReference.html) configuration file to import for migration?  
1. yes  
2. no  
default choice: [2]:  
2  
Do you want to monitor any log files?  
1. yes  
2. no  
default choice: [1]:  
1  
Log file path:  
^Z  
[1]+ Stopped                  /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-config-wizard  
root@ip-172-31-53-33:~#  
root@ip-172-31-53-33:~# apt-get update  
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal InRelease  
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease  
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease  
Hit:4 http://security.ubuntu.com/ubuntu focal-security InRelease  
Reading package lists... Done  
root@ip-172-31-53-33:~# apt install awscli  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
awscli is already the newest version (1.18.69-1ubuntu0.20.04.1).  
0 upgraded, 0 newly installed, 0 to remove and 100 not upgraded.  
root@ip-172-31-53-33:~# wget https://s3.amazonaws.com/amazoncloudwatch-agent/ubuntu/amd64/latest/amazon-cloudwatch-agent.deb  
--2023-08-26 09:57:40-- https://s3.amazonaws.com/amazoncloudwatch-agent/ubuntu/amd64/latest/amazon-cloudwatch-agent.deb  
Resolving s3.amazonaws.com (s3.amazonaws.com)... 52.217.201.136, 54.231.128.16, 54.231.229.240, ...  
Connecting to s3.amazonaws.com (s3.amazonaws.com)|52.217.201.136|:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 88095824 (84M) [application/octet-stream]  
Saving to: 'amazon-cloudwatch-agent.deb.1'  
  
amazon-cloudwatch-agent.deb.1          100%[=====] 84.01M 97.5MB/s  in 0.9s  
2023-08-26 09:57:41 (97.5 MB/s) - 'amazon-cloudwatch-agent.deb.1' saved [88095824/88095824]
```



root@ip-172-31-53-33: ~

```
1. root
2. cwagent
3. others
default choice: [1]:
1
Do you want to turn on StatsD daemon?
1. yes
2. no
default choice: [1]:
2
Do you want to monitor metrics from CollectD? WARNING: CollectD must be installed or the Agent will fail to start
1. yes
2. no
default choice: [1]:
2
Do you want to monitor any host metrics? e.g. CPU, memory, etc.
1. yes
2. no
default choice: [1]:
1
Do you want to monitor cpu metrics per core?
1. yes
2. no
default choice: [1]:
1
Do you want to add ec2 dimensions (ImageId, InstanceId, InstanceType, AutoScalingGroupName) into all of your metrics if the info is available?
1. yes
2. no
default choice: [1]:
1
Do you want to aggregate ec2 dimensions (InstanceId)?
1. yes
2. no
default choice: [1]:
1
Would you like to collect your metrics at high resolution (sub-minute resolution)? This enables sub-minute resolution for all metrics, but you can customize for specific metrics in the output json file.
1. 1s
2. 10s
3. 30s
4. 60s
default choice: [4]:
4
Which default metrics config do you want?
1. Basic
2. Standard
3. Advanced
4. None
default choice: [1]:
```



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```
root@ip-172-31-53-33: ~
}
}
Are you satisfied with the above config? Note: it can be manually customized after the wizard completes to add additional items.
1. yes
2. no
default choice: [1]:
1
Do you have any existing Cloudwatch Log Agent (http://docs.aws.amazon.com/AmazonCloudWatch/latest/logs/AgentReference.html) configuration file to import for migration?
1. yes
2. no
default choice: [2]:
2
Do you want to monitor any log files?
1. yes
2. no
default choice: [1]:
2
Saved config file to /opt/aws/amazon-cloudwatch-agent/bin/config.json successfully.
Current config as follows:
{
    "agent": {
        "metrics_collection_interval": 60,
        "run_as_user": "root"
    },
    "metrics": {
        "aggregation_dimensions": [
            [
                "InstanceId"
            ]
        ],
        "append_dimensions": {
            "AutoScalingGroupName": "${aws:AutoScalingGroupName}",
            "ImageId": "${aws:ImageId}",
            "InstanceId": "${aws:InstanceId}",
            "InstanceType": "${aws:InstanceType}"
        },
        "metrics_collected": {
            "cpu": {
                "measurement": [
                    "cpu_usage_idle",
                    "cpu_usage_iowait",
                    "cpu_usage_user",
                    "cpu_usage_system"
                ],
                "metrics_collection_interval": 60,
                "resources": [
                    "*"
                ],
                "period": 60
            }
        }
    }
}
```



Type here to search



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03:31 PM
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root@ip-172-31-53-33:~

```
        "resources": [
            "*"
        ],
    },
    "mem": {
        "measurement": [
            "mem_used_percent"
        ],
        "metrics_collection_interval": 60
    },
    "netstat": {
        "measurement": [
            "tcp_established",
            "tcp_time_wait"
        ],
        "metrics_collection_interval": 60
    },
    "swap": {
        "measurement": [
            "swap_used_percent"
        ],
        "metrics_collection_interval": 60
    }
}
}
```

Please check the above content of the config.

The config file is also located at /opt/aws/amazon-cloudwatch-agent/bin/config.json.

Edit it manually if needed.

Do you want to store the config in the SSM parameter store?

1. yes

2. no

default choice: [1]:

1

What parameter store name do you want to use to store your config? (Use 'AmazonCloudwatch-' prefix if you use our managed AWS policy)

default choice: [AmazonCloudWatch-linux]

Trying to fetch the default region based on ec2 metadata...

Which region do you want to store the config in the parameter store?

default choice: [us-east-1]

Which AWS credential should be used to send json config to parameter store?

1. ASIA3MSOCD7C07UFEAA6(From SDK)

2. Other

default choice: [1]:

Successfully put config to parameter store AmazonCloudwatch-linux.

Program exits now.

root@ip-172-31-53-33:~#



Type here to search



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26-08-2023

```
root@ip-172-31-53-33:~  
What parameter store name do you want to use to store your config? (Use 'AmazonCloudWatch-' prefix if you use our managed AWS policy)  
default choice: [AmazonCloudWatch-linux]  
  
Trying to fetch the default region based on ec2 metadata...  
Which region do you want to store the config in the parameter store?  
default choice: [us-east-1]  
  
Which AWS credential should be used to send json config to parameter store?  
1. ASIA3MSOCD7C07UFEAA6(From SDK)  
2. Other  
default choice: [1]:  
  
Successfully put config to parameter store AmazonCloudwatch-linux.  
Program exits now.  
root@ip-172-31-53-33:~# /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-ctl -m ec2 -a status  
{  
    "status": "stopped",  
    "starttime": "",  
    "configstatus": "not configured",  
    "version": "1.300026.2b172"  
}  
root@ip-172-31-53-33:~# /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-ctl -a fetch-config -m ec2 -s -c file:/opt/aws/amazon-cloudwatch-agent/bin/config.json  
-s  
***** processing amazon-cloudwatch-agent *****  
I! Trying to detect region from ec2 D! [EC2] Found active network interface successfully fetched the config and saved in /opt/aws/amazon-cloudwatch-agent/etc/amazon-cloudwa  
tch-agent.d/file_config.json.tmp  
Start configuration validation...  
2023/08/26 10:02:35 Reading json config file path: /opt/aws/amazon-cloudwatch-agent/etc/amazon-cloudwatch-agent.d/file_config.json.tmp ...  
2023/08/26 10:02:35 I! Valid Json input schema.  
2023/08/26 10:02:35 D! ec2tagger processor required because append_dimensions is set  
2023/08/26 10:02:35 D! delta processor required because metrics with diskio or net are set  
2023/08/26 10:02:35 D! ec2tagger processor required because append_dimensions is set  
2023/08/26 10:02:35 Configuration validation first phase succeeded  
I! Detecting run_as_user...  
I! Trying to detect region from ec2  
D! [EC2] Found active network interface  
/opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent -schematest -config /opt/aws/amazon-cloudwatch-agent/etc/amazon-cloudwatch-agent.toml  
Configuration validation second phase succeeded  
Configuration validation succeeded  
amazon-cloudwatch-agent has already been stopped  
Created symlink /etc/systemd/system/multi-user.target.wants/amazon-cloudwatch-agent.service → /etc/systemd/system/amazon-cloudwatch-agent.service.  
root@ip-172-31-53-33:~# /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-ctl -m ec2 -a status  
{  
    "status": "running",  
    "starttime": "2023-08-26T10:02:36+00:00",  
    "configstatus": "configured",  
    "version": "1.300026.2b172"  
}  
root@ip-172-31-53-33:~#
```



AWS Management | Connect to instance | CloudWatchRole | CloudWatch Metrics | Settings - Search | why cloud watch | Medium | AWS CloudWatch | + | - | X

gauravguptacloud.medium.com/aws-cloudwatch-agent-installation-for-memory-metric-integrate-with-aws-cloudwatch-agent

Use the following steps to download the Cloudwatch agent package, ssh to Instance & Download CW Agent package.

Download the CloudWatch agent:

```
wget https://s3.amazonaws.com/amazoncloudwatch-agent/ubuntu/amd64/latest/amazon-cloudwatch-agent.deb
```

Top highlight

```
root@ip-172-31-52-40:/home/ubuntu# wget https://s3.amazonaws.com/amazoncloudwatch-agent/ubuntu/amd64/latest/amazon-cloudwatch-agent.deb
--2021-05-04 05:34:37-- https://s3.amazonaws.com/amazoncloudwatch-agent/ubuntu/amd64/latest/amazon-cloudwatch-agent.deb
Resolving s3.amazonaws.com (s3.amazonaws.com)... 52.216.1.27
Connecting to s3.amazonaws.com (s3.amazonaws.com)|52.216.1.27|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 54662644 (52M) [application/octet-stream]
Saving to: 'amazon-cloudwatch-agent.deb'

amazon-cloudwatch-agent.deb          100%[=====] 52.13M 47.0MB/s   in 1.1s

2021-05-04 05:34:38 (47.0 MB/s) - 'amazon-cloudwatch-agent.deb' saved [54662644/54662644]
root@ip-172-31-52-40:/home/ubuntu#
```

Install the package:

```
dpkg -i ./amazon-cloudwatch-agent.deb
```

```
root@ip-172-31-52-40:/home/ubuntu# dpkg -i ./amazon-cloudwatch-agent.deb
Selecting previously unselected package amazon-cloudwatch-agent.
(Reading database ... 60149 files and directories currently installed.)
Preparing to unpack .../amazon-cloudwatch-agent.deb
```



AWS Management | Connect to instance | CloudWatchRole | CloudWatch Metrics | Settings - Search | why cloud watch | Medium | AWS CloudWatch | +

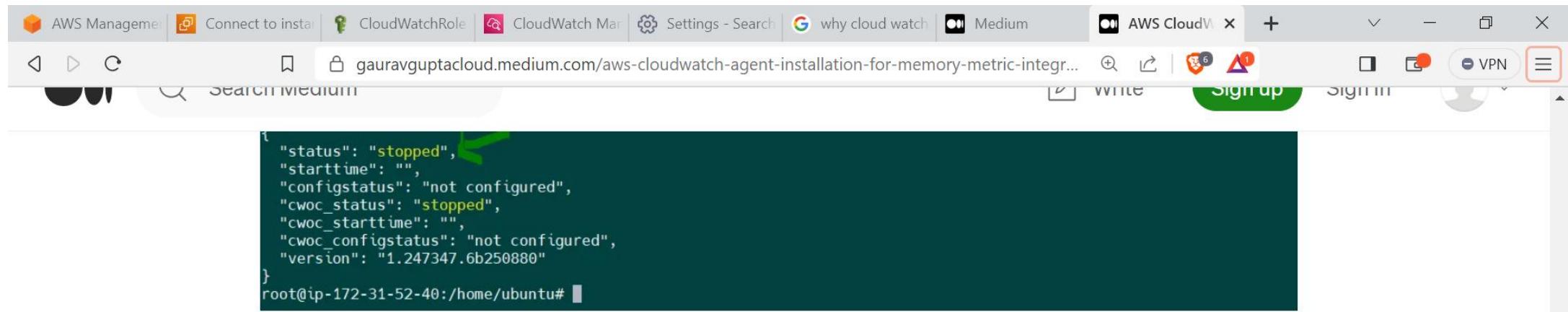
Please check the above content of the config.
The config file is also located at /opt/aws/amazon-cloudwatch-agent/bin/config.json.
Edit it manually if needed.
Do you want to store the config in the SSM parameter store?
1. yes
2. no
default choice: [1]:
2
Program exits now.

Now check the status of CW agent.

```
/opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-ctl -m ec2 -a status
```

```
root@ip-172-31-52-40:/home/ubuntu# /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-ctl -m ec2 -a status
{
    "status": "stopped",
    "starttime": "",
    "configstatus": "not configured",
    "cwoc_status": "stopped",
    "cwoc_starttime": "",
    "cwoc_configstatus": "not configured",
    "version": "1.247347.6b250880"
}
root@ip-172-31-52-40:/home/ubuntu#
```

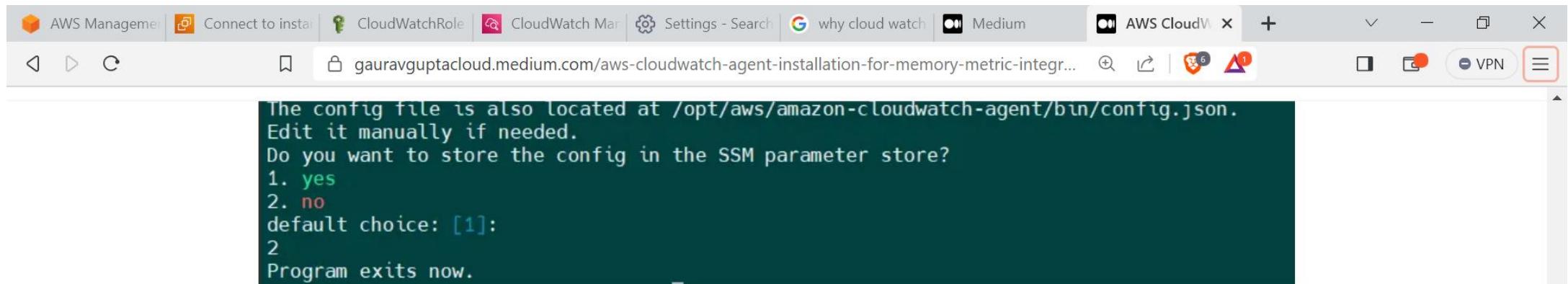




Status is stopped now, so start it & check status after that.

```
/opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-ctl -a fetch-config -m ec2 -s -c file:/opt/aws/amazon-cloudwatch-agent/bin/config.json
```





Now check the status of CW agent.

```
/opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-ctl -m  
ec2 -a status
```

```
root@ip-172-31-52-40:/home/ubuntu# /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-ctl -m ec2 -a status
{
    "status": "stopped", ↙
    "starttime": "",
    "configstatus": "not configured",
    "cwoc_status": "stopped",
    "cwoc_starttime": "",
    "cwoc_configstatus": "not configured",
    "version": "1.247347.6b250880"
}
root@ip-172-31-52-40:/home/ubuntu# █
```



AWS Management | Connect to instance | CloudWatchRole | CloudWatch | Settings - Search | why cloud watch | Medium | AWS CloudWatch | +

us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#metricsV2?graph=~(view~...)

aws Services Search [Alt+S] N. Virginia Subham Pradhan

CloudWatch Metrics Untitled graph 1h 3h 12h 1d 3d 1w Custom Line Actions C Queries Improved - You now can embed specific time ranges in widgets added to dashboards.

Browse Query Graphed metrics Options Source Add math Add query

Metrics (725) Info N. Virginia Search for any metric, dimension, resource id or account id

Custom namespaces CWAgent 101

AWS namespaces

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AWS Management | Connect to instance | CloudWatchRole | CloudWatch | Settings - Search | why cloud watch | Medium | AWS CloudWatch | +

us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#metricsV2?graph=~(view~...)

aws Services Search [Alt+S]

CloudWatch Metrics Untitled graph

1h 3h 12h 1d 3d 1w Custom Line Actions C Queries

Improved - You now can embed specific time ranges in widgets added to dashboards.

Browse Query Graphed metrics Options Source Add math Add query

Metrics (101) Info Graph with SQL Graph search

N. Virginia All > CWAgent Search for any metric, dimension, resource id or account id

ImageId, InstanceId, InstanceType, device, fstype, path	ImageId, InstanceId, InstanceType, cpu	ImageId, InstanceId, InstanceType, name
28	4	50
ImageId, InstanceId, InstanceType	InstanceId	name
4	15	50

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AWS Management | Connect to instance | CloudWatchRole | CloudWatch | Settings - Search | why cloud watch | Medium | AWS CloudWatch | +

us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#metricsV2?graph=~(view~...)

aws Services Search [Alt+S] N. Virginia Subham Pradhan

CloudWatch Metrics Untitled graph 1h 3h 12h 1d 3d 1w Custom Line Actions C Queries Improved - You now can embed specific time ranges in widgets added to dashboards. Help

Browse Query Graphed metrics (15) Options Source Add math Add query

N. Virginia All > CWAgent > InstanceId Search for any metric, dimension, resource id or account id

Instance name 15/15	InstanceId	Metric name
Production-server	i-0d34af36b4b70ed4a	mem_used_percent
Production-server	i-0d34af36b4b70ed4a	netstat_tcp_time_wait
Production-server	i-0d34af36b4b70ed4a	disk_used_percent
Production-server	i-0d34af36b4b70ed4a	netstat_tcp_established
Production-server	i-0d34af36b4b70ed4a	disk_inodes_free
Production-server	i-0d34af36b4b70ed4a	swap_used_percent

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Type here to search Hot weather ENG 03:36 PM 26-08-2023

AWS Management CloudWatchRole CloudWatch Settings - Search why cloud watch Medium AWS CloudWatch + us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#dashboards/ VPN N. Virginia Subham Pradhan

CloudWatch Services Search [Alt+S] CloudWatch > Dashboards Custom dashboards Automatic dashboards

Custom Dashboards (0) Info Share dashboard Delete Create dashboard Filter dashboards < 1 >

Name	Sharing	Favorite	Last update (UTC)
No dashboards You have not created any dashboards. Read more about Dashboards			

Create dashboard

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AWS Management CloudWatchRole CloudWatch Settings - Search why cloud watch Medium AWS CloudWatch + - VPN Services Search [Alt+S] N. Virginia Subham Pradhan

Add metric graph

U.UZ 70

Browse Query Graphed metrics (1) Options Source Add math Add query

	Instance name 15/15	InstanceId	Metric name
<input type="checkbox"/>	Production-server	i-0d34af36b4b70ed4a	cpu_usage_iowait
<input type="checkbox"/>	Production-server	i-0d34af36b4b70ed4a	cpu_usage_user
<input type="checkbox"/>	Production-server	i-0d34af36b4b70ed4a	cpu_usage_idle
<input type="checkbox"/>	Production-server	i-0d34af36b4b70ed4a	diskio_io_time
<input checked="" type="checkbox"/>	Production-server	i-0d34af36b4b70ed4a	cpu_usage_system
<input type="checkbox"/>	Production-server	i-0d34af36b4b70ed4a	diskio_read_bytes

Cancel Create widget

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Type here to search           Feels hotter     ENG 03:41 PM 26-08-2023

AWS Management | Connect to instance | CloudWatchRole | CloudWatch X | Settings - Search | why cloud watch | Medium | AWS CloudWatch | +

us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#dashboards/dashboard/Pr...

aws Services Search [Alt+S] N. Virginia Subham Pradhan

CloudWatch > Dashboards > Production-Dashboard

Production-Dashboard ▾ ☆ Autosave: Off

cpu_usage_system

0.02 %

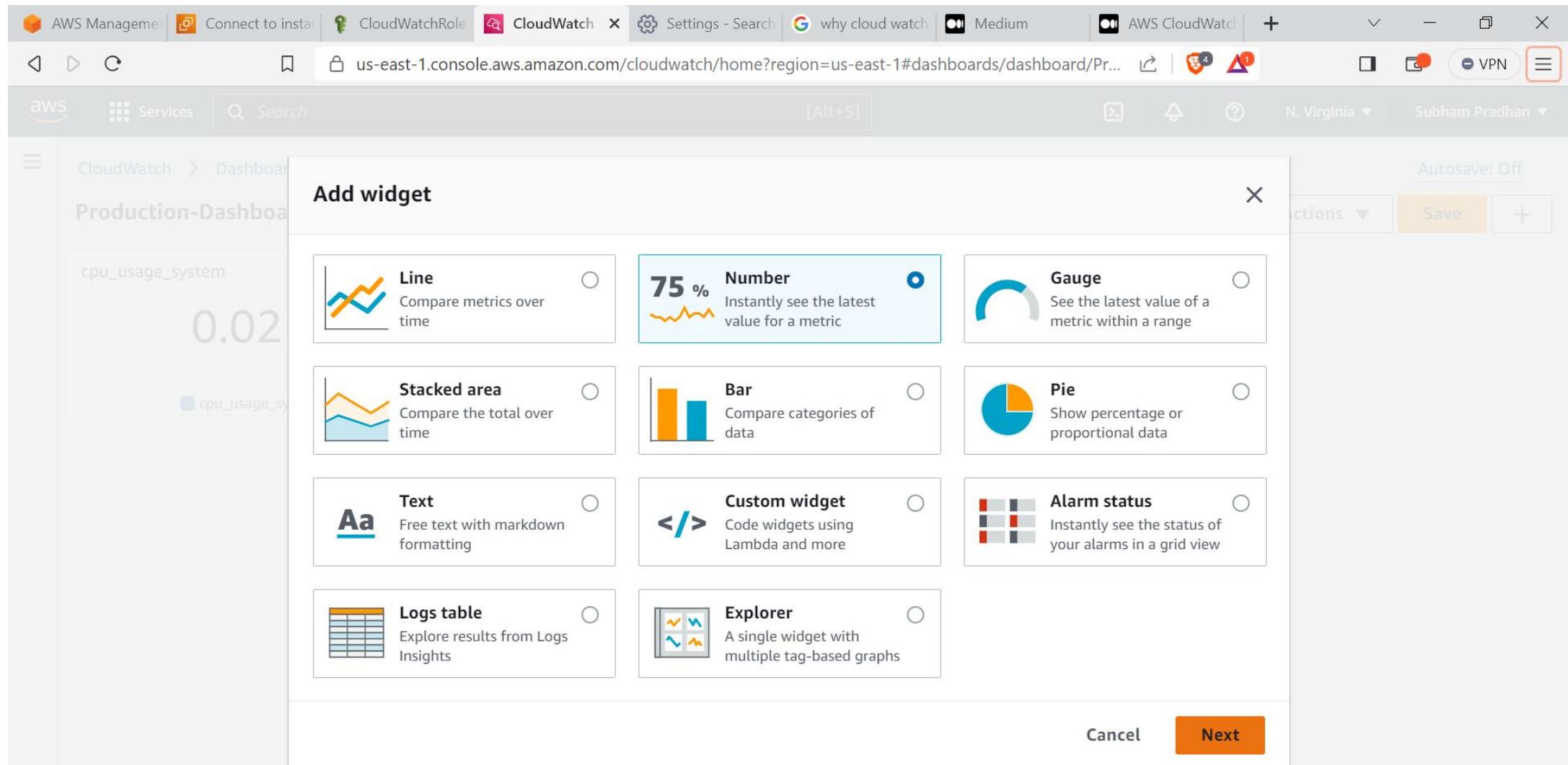
cpu_usage_system

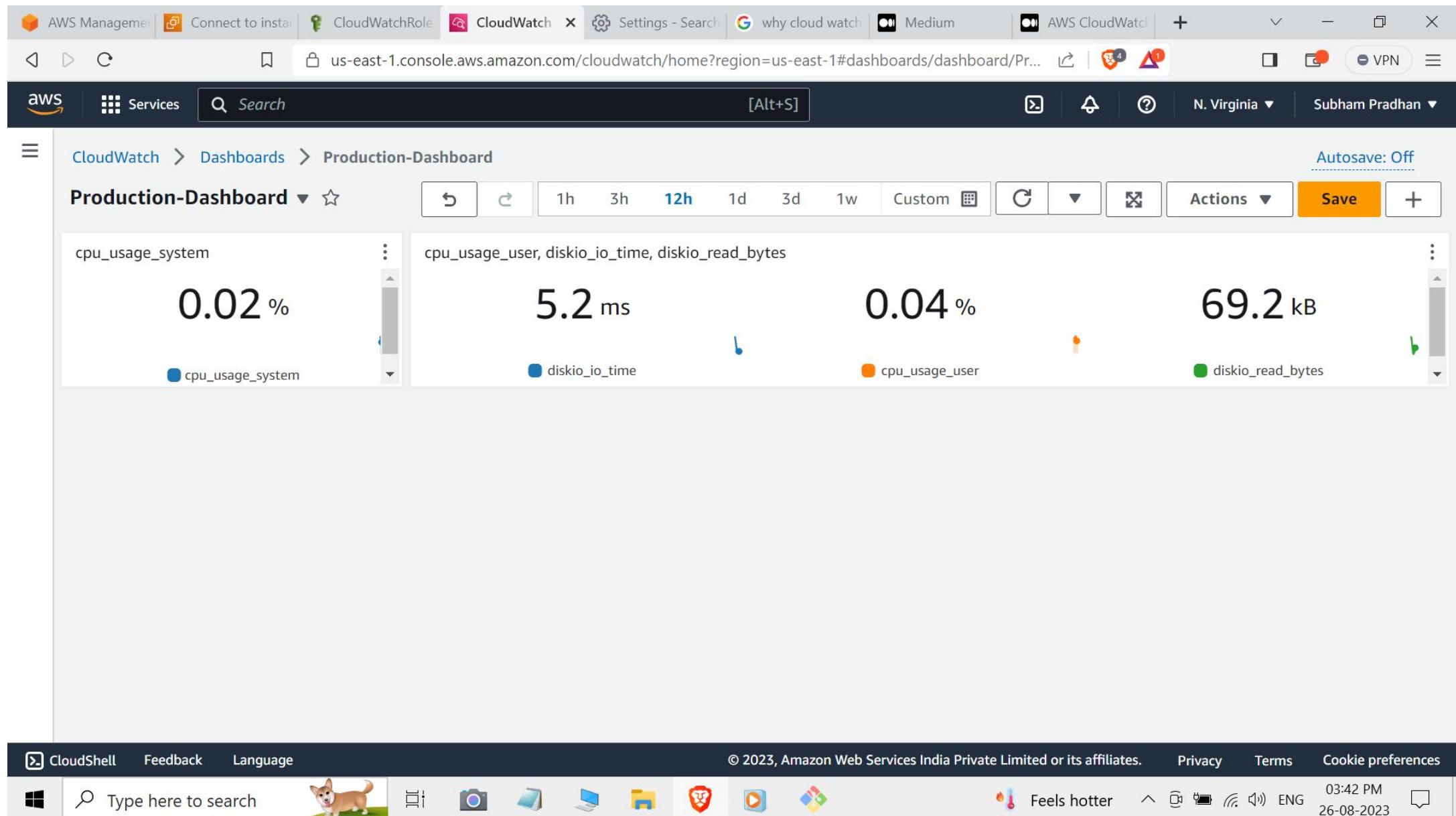
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Type here to search

Feels hotter 03:41 PM 26-08-2023

The screenshot shows the AWS CloudWatch Metrics Dashboard titled 'Production-Dashboard'. A single metric card displays 'cpu_usage_system' with a value of '0.02 %'. The dashboard interface includes a navigation bar with links to 'CloudWatch', 'Dashboards', and 'Production-Dashboard'. It features a time range selector from '1h' to '12h', with '12h' currently selected. Below the chart are buttons for 'Actions' and 'Save'. At the bottom, there's a footer with links to 'CloudShell', 'Feedback', 'Language', and copyright information. The bottom bar also includes a search bar, system icons, and a date/time stamp.





AWS Management CloudWatchRole CloudWatch CloudWatch Settings - Search why cloud watch Medium AWS CloudWatch + VPN

us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#dashboards/dashboard/Pr...

aws Services Search [Alt+S] N. Virginia Subham Pradhan

CloudWatch > Dashboards > Production-Dashboard

Production-Dashboard ▾ ☆ Autosave: Off

cpu_usage_system 0.02 %

cpu_usage_user, diskio_io_time, diskio_read_bytes 5.2 ms 0.04 %

cpu_usage_system diskio_io_time cpu_usage_user

Actions Save +

Save dashboard as
Rename dashboard
Share dashboard
Delete dashboard
Replay dashboard
View/edit source
Variables
Settings
Live data override
Period override
Link charts

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Type here to search 

32°C Mostly cloudy ENG 03:43 PM 26-08-2023

AWS Management CloudWatchRole CloudWatch X Settings - Search why cloud watch Medium AWS CloudWatch + us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#settings:/dashboardSharing... 4 A 1 VPN N. Virginia Subham Pradhan

aws Services Search [Alt+S]

CloudWatch > Dashboards > Production-Dashboard > Share dashboard

Share dashboard Production-Dashboard

Share your dashboard and require a username and password

Only users with credentials can access the dashboard.

Start sharing

Share your dashboard publicly

Anyone with the link can access the dashboard.

Start sharing

Share all your account's CloudWatch dashboards using single sign-on (SSO)

All users in your SSO provider's list can access all dashboards in your account.

No SSO providers enabled

You can set up a SSO provider in the CloudWatch settings page

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Type here to search 

32°C Mostly cloudy 03:43 PM 26-08-2023 ENG

AWS Management CloudWatchRole CloudWatch Settings - Search why cloud watch Medium AWS CloudWatch + us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#settings:/dashboardSharing...

aws Services Search [Alt+S] N. Virginia Subham Pradhan

when sharing dashboards.

- When you which host dashboard
- The web p query alarm names and you share available.
- To enable your account
- For further share, read

Accept dashboard sharing policy

The following dashboard sharing policy will be created. This policy will be used to display the contents of the dashboard. You can follow the instructions in the documentation to edit the policy after you share the dashboard.

- To display logs widgets and composite alarm widgets on a shared dashboard, you must update the policy after you share the dashboard.
- If you add new alarms or contributor insights rules after you share the dashboard, you must update the policy to share these new resources.

To confirm that you wish below.

Share

{
"Version": "2012-10-17",
"Statement": [
]

Cancel Accept policy and generate shareable link

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Type here to search 

Near record 03:44 PM 26-08-2023

AWS Management CloudWatchRole CloudWatch X Settings - Search why cloud watch Medium AWS CloudWatch + us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#dashboards/dashboard/Pr... 4 A VPN N. Virginia Subham Pradhan

This is a publicly shared dashboard. Any changes made on it will be visible to anyone with the link.

The dashboard Production-Dashboard has been successfully shared.
[Open in a new tab](#)

CloudWatch > Dashboards > Production-Dashboard

Production-Dashboard ▾ ☆

cpu_usage_system 0.02 %

cpu_usage_user, diskio_io_time, diskio_read_bytes 3.8 ms 0.05 % 34.6 kB

cpu_usage_system diskio_io_time cpu_usage_user diskio_read_bytes

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Type here to search Near record 03:44 PM 26-08-2023

CloudWatch Dashboard Sharing +

https://cloudwatch.amazonaws.com/dashboard.html?dashboard=Production-Dashboard&context=...

Microsoft Edge

Would you like to set Microsoft Edge as your default browser?

Set as default Not Now

Production-Dashboard

1h 3h 12h 1d 3d 1w Custom Actions Light Dark

cpu_usage_system: 0.02 % (cpu_usage_system)

cpu_usage_user, diskio_io_time, diskio_read_bytes: 3.8 ms (diskio_io_time), 0.05 % (cpu_usage_user), 34.6 kB (diskio_read_bytes)

Type here to search

32°C Mostly cloudy 03:45 PM 26-08-2023

AWS Management | Connect to instance | CloudWatchRole | CloudWatch Metrics | Simple Notifications | why cloud watch | Medium | AWS CloudWatch | +

us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/homepage

aws Services Search [Alt+S]

N. Virginia Subham Pradhan

Application Integration

Amazon Simple Notification Service

Pub/sub messaging for microservices and serverless applications.

Amazon SNS is a highly available, durable, secure, fully managed pub/sub messaging service that enables you to decouple microservices, distributed systems, and event-driven serverless applications. Amazon SNS provides topics for high-throughput, push-based, many-to-many messaging.

Create topic

Topic name

A topic is a message channel. When you publish a message to a topic, it fans out the message to all subscribed endpoints.

MyTopic

Next step

Start with an overview

Pricing

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Type here to search

31°C Partly sunny 03:52 PM 26-08-2023 ENG

AWS Management | Connect to instance | CloudWatchRole | CloudWatch Metrics | Create topic | why cloud watch | Medium | AWS CloudWatch | +

us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/create-topic

aws Services Search [Alt+S] N. Virginia Subham Pradhan

Amazon SNS > Topics > Create topic

Create topic

Details

Type [Info](#)

Topic type cannot be modified after topic is created

FIFO (first-in, first-out)

- Strictly-preserved message ordering
- Exactly-once message delivery
- High throughput, up to 300 publishes/second
- Subscription protocols: SQS

Standard

- Best-effort message ordering
- At-least once message delivery
- Highest throughput in publishes/second
- Subscription protocols: SQS, Lambda, HTTP, SMS, email, mobile application endpoints

Name

Production-server

Maximum 256 characters. Can include alphanumeric characters, hyphens (-) and underscores (_).

Display name - optional [Info](#)

To use this topic with SMS subscriptions, enter a display name. Only the first 10 characters are displayed in an SMS message.

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Type here to search 

31°C Partly sunny 03:53 PM 26-08-2023 ENG

AWS Management | Connect to instance | CloudWatchRole | CloudWatch Metrics | Production-5 | why cloud watch | Medium | AWS CloudWatch | +

us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/topic/arn:aws:sns:us-east-1:78... | 6 | 1 | VPN | N. Virginia | Subham Pradhan

Amazon SNS

Type: Standard

Dashboard

Topics

Subscriptions

Mobile

Push notifications

Text messaging (SMS)

Origination numbers

Subscriptions (0)

Edit | Delete | Request confirmation | Confirm subscription | **Create subscription**

Search

ID	Endpoint	Status	Protocol
No subscriptions found			
You don't have any subscriptions to this topic.			
Create subscription			

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Type here to search | 31°C Partly sunny | 04:02 PM | 26-08-2023

AWS Management | Connect to instance | CloudWatchRole | CloudWatch Metrics | Create subscription | why cloud watch | Medium | AWS CloudWatch | +

us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/create-subscription

aws Services Search [Alt+S]

N. Virginia Subham Pradhan

Create subscription

Details

Topic ARN

arn:aws:sns:us-east-1:782921506756:Production-server

Protocol

The type of endpoint to subscribe

Email

Endpoint

An email address that can receive notifications from Amazon SNS.

subhampradhan9668@gmail.com

After your subscription is created, you must confirm it. [Info](#)

► Subscription filter policy - optional [Info](#)

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Type here to search 

31°C Partly sunny 04:02 PM 26-08-2023 ENG

AWS Notification - Subscription Confirmation

mail.google.com/mail/u/0/?tab=rm&ogbl#inbox/

WhatsApp Instagram Facebook YouTube Google T20 World Cup Cric... Dashboard | Hacker...

Gmail Search mail

Compose

Inbox 8,478

Starred Snoozed Sent Drafts 5 More

Labels +

AWS Notification - Subscription Confirmation Inbox

Production-server <no-reply@sns.amazonaws.com>
to me ▾

16:02 (1 minute ago) Star Reply Forward More

You have chosen to subscribe to the topic:
arn:aws:sns:us-east-1:782921506756:Production-server

To confirm this subscription, click or visit the link below (If this was in error no action is necessary):
[Confirm subscription](https://sns.us-east-1.amazonaws.com/confirmation.html?TopicArn=arn:aws:sns:us-east-1:782921506756:Production-server&Token=2336412f37fb687f5d51e6e2425c464dede3c376e1bc4192fe013af502e6e31643fe31e804be9fd56d4e6...)

Please do not reply directly to this email. If you wish to remove yourself from receiving all future SNS subscription confirmation requests please send an email to [sns-opt-out](#)

Reply Forward

https://sns.us-east-1.amazonaws.com/confirmation.html?TopicArn=arn:aws:sns:us-east-1:782921506756:Production-server&Token=2336412f37fb687f5d51e6e2425c464dede3c376e1bc4192fe013af502e6e31643fe31e804be9fd56d4e6...

Type here to search 

30°C ENG 04:04 PM 26-08-2023

AWS Management | Connect to instance | CloudWatchRole | CloudWatch Metrics | Production-5 | why cloud watch | Medium | AWS CloudWatch | + | - | X

us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/topic/arn:aws:sns:us-east-1:782921506756:Production-server

aws Services Search [Alt+S] N. Virginia Subham Pradhan

Amazon SNS

Production-server

ARN: arn:aws:sns:us-east-1:782921506756:Production-server

Type: Standard

Production-server

Topic owner: 782921506756

Dashboard

Topics

Subscriptions

Mobile

Push notifications

Text messaging (SMS)

Origination numbers

Subscriptions

Access policy

Data protection policy

Delivery policy (HTTP/S)

Delivery status log

Subscriptions (1)

Edit Delete Request confirmation Confirm subscription Create subscription

Search

ID Endpoint Status Protocol

f785feb8-20c0-4f46-9...	subhampradhan9668...	Confirmed	EMAIL
-------------------------	----------------------	-----------	-------

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Type here to search

30°C ENG 04:04 PM 26-08-2023

AWS Management | Connect to instance | CloudWatchRole | CloudWatch | Production-service | why cloud watch | Medium | AWS CloudWatch | +

us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#alarmsV2:~(alarmStateFilter)

aws Services Q sns

CloudWatch Alarms

Alarms (0) Hide Auto Scaling alarms Clear selection Create composite alarm Actions Create alarm

Search In alarm Any type Any actions ...

Name	State	Last state update	Conditions	Actions
No alarms				
No alarms to display				
Read more about Alarms				
Create alarm				

Favorites and recents Dashboards Production-Dashboard Alarms 0 In alarm All alarms Billing Logs Metrics All metrics Explorer Streams X-Ray traces Events

https://us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#alarmsV2:create © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

Type here to search  Hot weather ENG 04:05 PM 26-08-2023

AWS Management CloudWatchRole CloudWatch Production-service why cloud watch Medium AWS CloudWatch + VPN

us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#alarmsV2:~(alarmStateFilt...)

aws Services sns

Select metric

Browse Query Graphed metrics Options Source Add math Add query

ApplicationELB	65	CertificateManager	1	EBS	126
EC2	238	Logs	2	NATGateway	15
Route 53	1	SNS	2	Usage	203

Cancel Select a single metric to continue

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Type here to search  Hot weather ENG 04:06 PM 26-08-2023

AWS Management CloudWatchRole CloudWatch Production-server why cloud watch Medium AWS CloudWatch +

us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#alarmsV2:~(alarmStateFilt...)

aws Services sns N. Virginia Subham Pradhan

Select metric

Favorites

Dashboard

Prod

Alarms

In alarm

All alarms

Billing

Logs

Metrics

All metrics

Explorer

Streams

X-Ray trace

Events

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Type here to search

Hot weather ENG 04:07 PM 26-08-2023

Browse **Query** **Graphed metrics (1)** **Options** **Source**

Add math ▾ Add query ▾

<input type="checkbox"/>	Production-server	i-0d34af36b4b70ed4a	DiskReadOps
<input checked="" type="checkbox"/>	Production-server	i-0d34af36b4b70ed4a	CPUUtilization
<input type="checkbox"/>	Production-server	i-0d34af36b4b70ed4a	DiskWriteOps
<input type="checkbox"/>	Production-server	i-0d34af36b4b70ed4a	NetworkPacketsIn
<input type="checkbox"/>	Production-server	i-0d34af36b4b70ed4a	DiskWriteBytes
<input type="checkbox"/>	Production-server	i-0d34af36b4b70ed4a	NetworkOut
<input type="checkbox"/>	Production-server	i-0d34af36b4b70ed4a	DiskReadBytes
<input type="checkbox"/>	Production-server	i-0d34af36b4b70ed4a	NetworkIn

Cancel Select metric

The screenshot shows the AWS CloudWatch Metrics interface. A modal window titled "Select metric" is open, listing nine metrics for the "Production-server" instance. The "CPUUtilization" metric is selected, indicated by a checked checkbox. The modal includes tabs for "Browse", "Query", "Graphed metrics (1)", "Options", and "Source". Buttons for "Add math" and "Add query" are also present. The main dashboard background shows a line graph for the selected metric over time.

AWS Management CloudWatchRole CloudWatch Production-service why cloud watch Medium AWS CloudWatch + us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#alarmsV2:create?~(Page~'... 4 A VPN N. Virginia Subham Pradhan

aws Services Q sns X

Conditions

Threshold type

Static
Use a value as a threshold

Anomaly detection
Use a band as a threshold

Whenever CPUUtilization is...

Define the alarm condition.

Greater
> threshold

Greater/Equal
>= threshold

Lower/Equal
<= threshold

Lower
< threshold

than...

Define the threshold value.

50

Must be a number

► Additional configuration

Cancel

Next

AWS Management CloudWatchRole CloudWatch Production-service why cloud watch Medium AWS CloudWatch + us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#alarmsV2:create?~(Page~'... 4 A 1 VPN N. Virginia Subham Pradhan

aws Services Q sns Step 3 Add name and description Step 4 Preview and create

Alarm state trigger
Define the alarm state that will trigger this action.

In alarm
The metric or expression is outside of the defined threshold.

OK
The metric or expression is within the defined threshold.

Insufficient data
The alarm has just started or not enough data is available.

Send a notification to the following SNS topic
Define the SNS (Simple Notification Service) topic that will receive the notification.

Select an existing SNS topic

Create new topic

Use topic ARN to notify other accounts

Send a notification to...

Production-server X

Only email lists for this account are available.

Email (endpoints)
[subhampradhan9668@gmail.com](#) - View in SNS Console ↗

Add notification

Auto Scaling action



Type here to search



AWS Management | Connect to instance | CloudWatchRole | CloudWatch | Production-service | why cloud watch | Medium | AWS CloudWatch | +

us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#alarmsV2:create?~(Page~'1')

aws Services Q sns

CloudWatch > Alarms > Create alarm

Step 1 Specify metric and conditions

Step 2 Configure actions

Step 3 Add name and description

Step 4 Preview and create

Add name and description

Name and description

Alarm name

Production-CPU>=50%

Alarm description - optional [View formatting guidelines](#)

Edit Preview

This is an H1
double asterisks will produce strong character
This is [an example](https://example.com/) inline link.

Up to 1024 characters (0/1024)

Info Markdown formatting is only applied when viewing your alarm in the console. The description will remain in plain text in the alarm notifications.

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Type here to search 

File Camera Book Computer Folder Shield Google Sheets Google Chrome Feels hotter ENG 04:10 PM 26-08-2023

AWS Manager | Connect to ins | CloudWatchRe | CloudWat | Production-se | why cloud wa | Medium | AWS CloudWa | yes >/dev/null | +

us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#alarmsV2:~(selectedIds~(...)

aws Services Q sns

CloudWatch Alarms

Alarms (1/1)

Hide Auto Scaling alarms Clear selection Create composite alarm Actions Create alarm

Search Any state Any type Any actions ...

Name	State	Last state update	Conditions	Actions
Production-CPU>=50%	OK	2023-08-26 10:43:18	CPUUtilization >= 50 for 1 datapoints within 1 minute	Actions

Favorites and recents Dashboards Production-Dashboard Alarms △ 0 ○ 0 ○ 0 In alarm All alarms Billing Logs Metrics All metrics Explorer Streams X-Ray traces Events

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Type here to search 30°C Partly sunny 04:13 PM 26-08-2023 ENG

```
root@ip-172-31-53-33: ~
64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp_seq=2337 ttl=50 time=16.4 ms
64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp_seq=2338 ttl=50 time=16.4 ms
64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp_seq=2339 ttl=50 time=16.4 ms
64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp_seq=2340 ttl=50 time=16.4 ms
64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp_seq=2341 ttl=50 time=16.4 ms
64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp_seq=2342 ttl=50 time=16.3 ms
64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp_seq=2343 ttl=50 time=16.4 ms
64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp_seq=2344 ttl=50 time=16.4 ms
64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp_seq=2345 ttl=50 time=16.3 ms
64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp_seq=2346 ttl=50 time=17.2 ms
64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp_seq=2347 ttl=50 time=16.3 ms
64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp_seq=2348 ttl=50 time=16.4 ms
64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp_seq=2349 ttl=50 time=16.4 ms
64 bytes from wv-in-f113.1e100.net (142.251.163.113): icmp_seq=2350 ttl=50 time=16.3 ms
^Z
[2]+  Stopped                  ping google.com
root@ip-172-31-53-33:~# yes > /dev/null &
[3] 5759
root@ip-172-31-53-33:~# yes > /dev/null &
[4] 5761
root@ip-172-31-53-33:~# yes > /dev/null &
[5] 5762
root@ip-172-31-53-33:~# yes > /dev/null &
[6] 5763
root@ip-172-31-53-33:~# yes > /dev/null &
[7] 5764
root@ip-172-31-53-33:~# yes > /dev/null &
[8] 5765
root@ip-172-31-53-33:~# yes > /dev/null &
[9] 5766
root@ip-172-31-53-33:~# yes > /dev/null &
[10] 5767
root@ip-172-31-53-33:~# yes > /dev/null &
[11] 5768
root@ip-172-31-53-33:~# yes > /dev/null &
[12] 5769
root@ip-172-31-53-33:~# yes > /dev/null &
[13] 5770
root@ip-172-31-53-33:~# yes > /dev/null &
[14] 5771
root@ip-172-31-53-33:~# yes > /dev/null &
[15] 5774
root@ip-172-31-53-33:~# yes > /dev/null &
[16] 5775
root@ip-172-31-53-33:~# yes > /dev/null &
[17] 5776
root@ip-172-31-53-33:~# yes > /dev/null &
[18] 5777
root@ip-172-31-53-33:~# |
```



Type here to search



30°C



ENG

04:17 PM
26-08-2023

root@ip-172-31-53-33: ~

```
[37] 5799
root@ip-172-31-53-33:~# yes > /dev/null &
[38] 5800
root@ip-172-31-53-33:~# yes > /dev/null &
[39] 5801
root@ip-172-31-53-33:~# yes > /dev/null &
[40] 5802
root@ip-172-31-53-33:~# yes > /dev/null &
[41] 5803
root@ip-172-31-53-33:~# yes > /dev/null &
[42] 5804
root@ip-172-31-53-33:~# yes > /dev/null &
[43] 5805
root@ip-172-31-53-33:~# yes > /dev/null &
[44] 5812
root@ip-172-31-53-33:~# yes > /dev/null &
[45] 5813
root@ip-172-31-53-33:~# killall yes
root@ip-172-31-53-33:~#
```



Type here to search



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04:22 PM
26-08-2023

ALARM: "Production-CPU>=50%" | Subscription confirm | CloudWatch Dashboard Sharing

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ALARM: "Production-CPU>=50%" in US East (N. Virginia) Inbox

Production-server 16:18 (9 minutes ago)

You are receiving this email because your Amazon CloudWatch Alarm "Production-CPU>=50%" in the US East (N. Virginia) region has entered the ALARM state, because "Threshold Crossed: 1 out of the last 1 datapoints [99.7971556594584 (26/08/23 10:47:00)] was greater than or equal to the threshold (50.0) (minimum 1 datapoint for OK -> ALARM transition)." at "Saturday 26 August, 2023 10:53:18 UTC".

Production-server <no-reply@sns.amazonaws.com> 16:23 (4 minutes ago)

You are receiving this email because your Amazon CloudWatch Alarm "Production-CPU>=50%" in the US East (N. Virginia) region has entered the ALARM state, because "Threshold Crossed: 1 out of the last 1 datapoints [99.7971556594584 (26/08/23 10:47:00)] was greater than or equal to the threshold (50.0) (minimum 1 datapoint for OK -> ALARM transition)." at "Saturday 26 August, 2023 10:53:18 UTC".

View this alarm in the AWS Management Console:
<https://us-east-1.console.aws.amazon.com/cloudwatch/deeplink.js?region=us-east-1#alarmsV2:alarm/Production-CPU%3E%3D50%25>

Alarm Details:

- Name: Production-CPU>=50%
- Description:
- State Change: INSUFFICIENT_DATA -> ALARM
- Reason for State Change: Threshold Crossed: 1 out of the last 1 datapoints [99.7971556594584 (26/08/23 10:47:00)] was greater than or equal to

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AWS Manag | Connect to | Dashboard | CloudWatch | Amazon X | Production- | why cloud w | Medium | AWS Cloud | yes >/dev/n | +

us-east-1.console.aws.amazon.com/events/home?region=us-east-1#/rules/create

aws Services Search [Alt+S]

Amazon EventBridge > Rules > Create rule

Step 1 Define rule detail [Info](#)

Step 2 Build event pattern

Step 3 Select target(s)

Step 4 - optional Configure tags

Step 5 Review and create

Define rule detail [Info](#)

Rule detail

Name Maximum of 64 characters consisting of numbers, lower/upper case letters, .,-_.

Description - optional

Event bus [Info](#) Select the event bus this rule applies to, either the default event bus or a custom or partner event bus.

Enable the rule on the selected event bus

Rule type [Info](#)

Rule with an event pattern Schedule

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AWS Manag | Connect to | Dashboard | CloudWatch | Amazon X | Production- | why cloud w | Medium | AWS Cloud | yes >/dev/n | +

us-east-1.console.aws.amazon.com/events/home?region=us-east-1#/rules/create

aws Services Search [Alt+S]

Amazon EventBridge > Rules > Create rule

Step 1 Define rule detail

Step 2 Build event pattern

Step 3 Select target(s)

Step 4 - optional Configure tags

Step 5 Review and create

Build event pattern Info

Event source

Event source
Select the event source from which events are sent.

AWS events or EventBridge partner events
Events sent from AWS services or EventBridge partners.

Other
Custom events or events sent from more than one source, e.g. events from AWS services and partners.

All events
All events sent to your account.

Sample event - optional

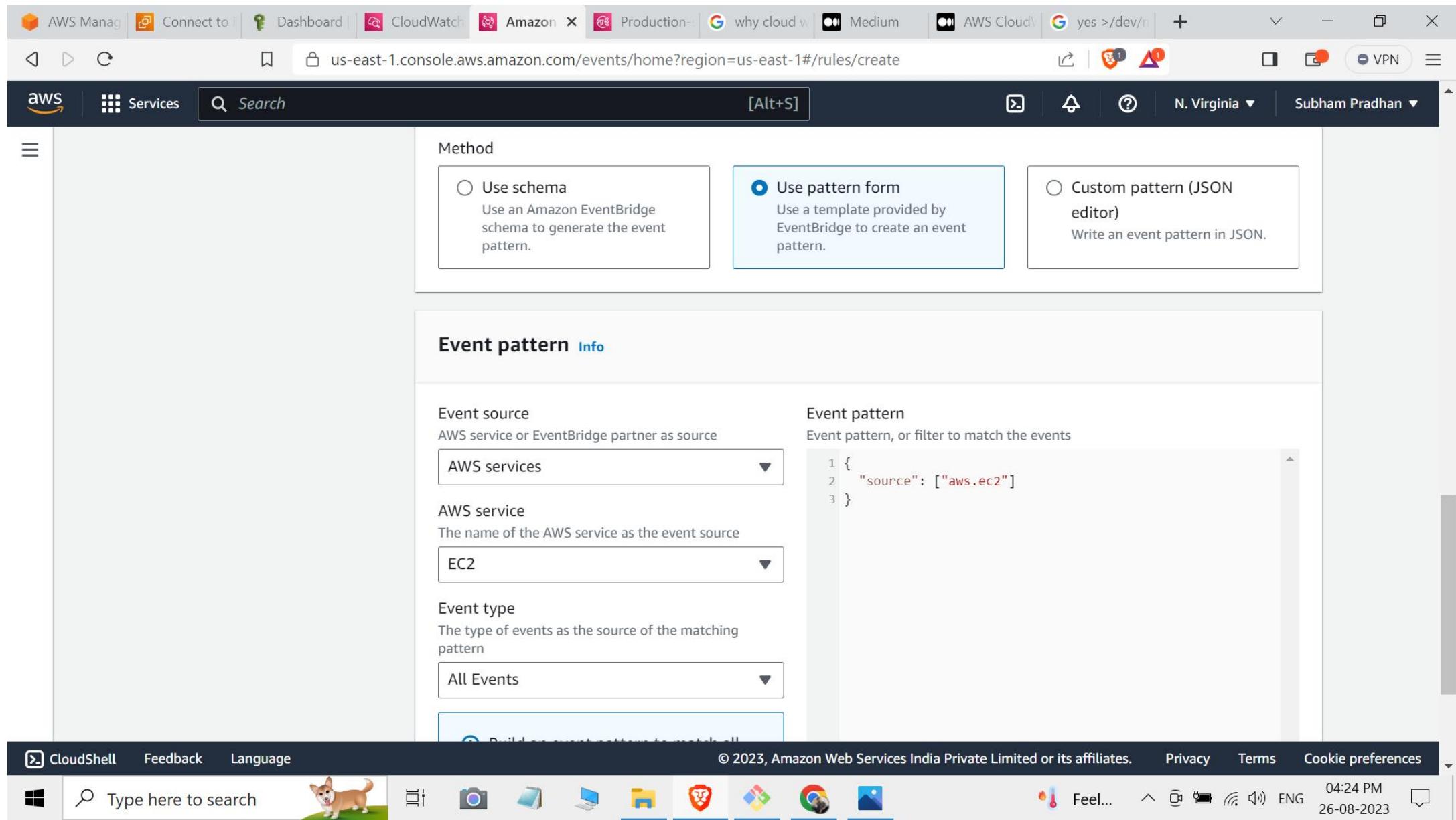
You don't have to select or enter a sample event, but it's recommended so you can reference it when writing and testing the event pattern, or filter criteria.

You can reference the sample event when you write the event pattern, or use the sample event to test if it matches the event pattern. Find a sample event, enter your own, or edit a sample event below. [Learn more about the required fields](#)

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AWS Management Console | Connect to | Dashboard | CloudWatch | Amazon | Production | why cloud | Medium | AWS CloudWatch Metrics | yes >/dev/n | + | - | VPN | X

us-east-1.console.aws.amazon.com/events/home?region=us-east-1#/rules/create

aws Services Search [Alt+S] N. Virginia Subham Pradhan

Step 3 Select target(s)

Step 4 - optional Configure tags

Step 5 Review and create

Target 1

Target types
Select an EventBridge event bus, EventBridge API destination (SaaS partner), or another AWS service as a target.

EventBridge event bus
 EventBridge API destination
 AWS service

Select a target | Info
Select target(s) to invoke when an event matches your event pattern or when schedule is triggered (limit of 5 targets per rule)

SNS topic

Topic
Production-server

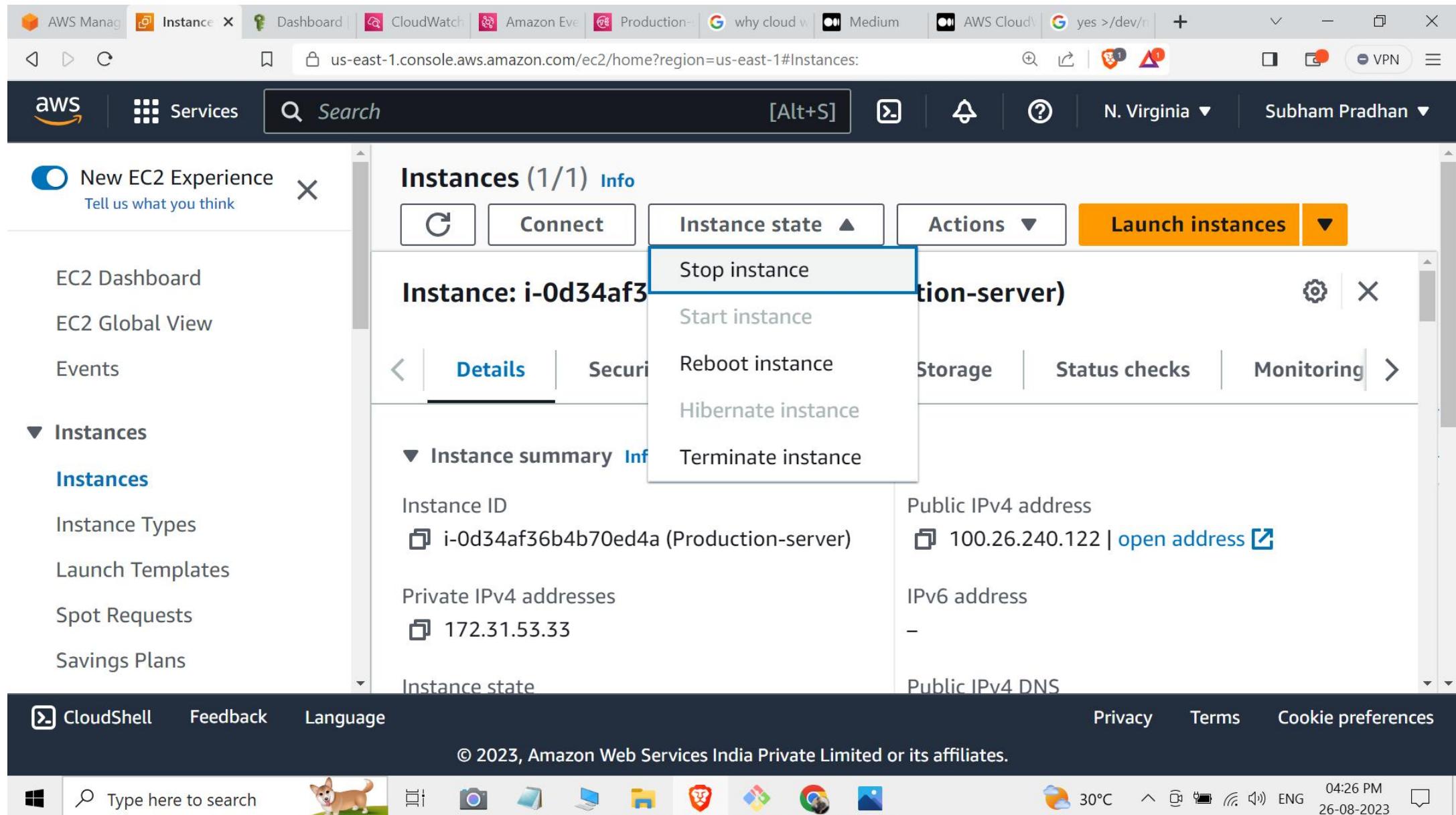
▶ Additional settings

Add another target Cancel Skip to Review and create Previous Next

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AWS Notification Message Inbox

Production-server <no-reply@sns.amazonaws.com> 16:27 (2 minutes ago)

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{"version": "0", "id": "0744ed1a-8e81-377a-0f14-9cb2bc00c68f", "detail-type": "EC2 Instance State-change Notification", "source": "aws.ec2", "account": "782921506756", "time": "2023-08-26T10:57:02Z", "region": "us-east-1", "resources": ["arn:aws:ec2:us-east-1:782921506756:instance/i-0d34af36b4b70ed4a"], "detail": {"instance-id": "i-0d34af36b4b70ed4a", "state": "stopping"}}

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<https://sns.us-east-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:782921506756:Production-server:f785feb8-20c0-4f46-95d3-b77245ccb4b1&Endpoint=subhampradhan9668@gmail.com>

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<https://aws.amazon.com/support>

Production-server <no-reply@sns.amazonaws.com> 16:27 (1 minute ago)

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