

Screenshot of the AWS EC2 Security Groups page.

The left sidebar shows the navigation menu:

- Dashboard
- EC2 Global View
- Events
- Instances** (selected)
- Instances
- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances
- Dedicated Hosts
- Capacity Reservations
- Images**
- AMIs
- AMI Catalog
- Elastic Block Store**
- Volumes
- Snapshots
- Lifecycle Manager
- Network & Security**
- Security Groups** (selected)
- Elastic IPs
- Placement Groups
- Key Pairs
- Network Interfaces
- Load Balancing**
- Load Balancers

The main content area displays the Security Groups table:

| Name                  | Security group ID           | Security group name    | VPC ID                       | Description                | Owner        |
|-----------------------|-----------------------------|------------------------|------------------------------|----------------------------|--------------|
| sg-04aabb1f25a9375370 | default                     | vpc-042e1055e4d9ea65f  | default VPC security group   | 041568221033               |              |
| <b>Testsecurity</b>   | <b>sg-0059457700150356f</b> | <b>Mytest_security</b> | <b>vpc-042e1055e4d9ea65f</b> | Allow all SSH              | 041568221033 |
|                       | sg-0d73ef5a732376f65        | default                | vpc-02d26be7b004f07ed        | default VPC security group | 041568221033 |

Details for the selected security group (sg-0059457700150356f - Mytest\_security):

Inbound rules (1):

| Name | Security group rule ID | IP version | Type    | Protocol | Port range | Source    | Description |
|------|------------------------|------------|---------|----------|------------|-----------|-------------|
|      | sgr-01ac1118f4e86b2db  | IPv4       | All TCP | TCP      | 0 - 65535  | 0.0.0.0/0 | -           |

Bottom footer:

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"Hello from Auto Scaling EC2 in ip-10-0-1-128.ec2.internal"

Screenshot of the AWS VPC console showing the 'Your VPCs' page. A table lists two VPCs: 'vpc-042e1055e4d9ea65f' and 'My Test VPC'. The 'My Test VPC' row is selected. The 'Details' tab is active, displaying configuration details like VPC ID, State, Block Public Access, DNS resolution, Main network ACL, IPv4 CIDR, and Network Address Usage metrics.

Screenshot of a Gmail inbox showing an email from AWS Notifications. The subject is 'ALARM: "Alic\_alarmtesttarget" in US East (N. Virginia)'. The email details a CloudWatch Alarm threshold cross event. It includes alarm details, monitored metrics, state change actions, and unsubscribe information.

**ALARM: "Alic\_alarmtesttarget" in US East (N. Virginia)**

**AWS Notifications** <no-reply@sns.amazonaws.com> to me ▾ 7:01 PM (0 minutes ago)

You are receiving this email because your Amazon CloudWatch Alarm "Alic\_alarmtesttarget" in the US East (N. Virginia) region has entered the ALARM state, because "Threshold Crossed: 1 out of the last 1 datapoints [0.3333888981483 (01/09/25 18:00:00)] was less than the threshold (2.0) (minimum 1 datapoint for OK -> ALARM transition)." at "Monday 01 September, 2025 18:01:16 UTC".

View this alarm in the AWS Management Console:  
[https://us-east-1.console.aws.amazon.com/cloudwatch/depends?region=us-east-1&alarm=Alic\\_alarmtesttarget](https://us-east-1.console.aws.amazon.com/cloudwatch/depends?region=us-east-1&alarm=Alic_alarmtesttarget)

**Alarm Details:**

- Name: Alic\_alarmtesttarget
- Description:
- State Change: INSUFFICIENT\_DATA -> ALARM
- Reason for State Change: Threshold Crossed: 1 out of the last 1 datapoints [0.3333888981483 (01/09/25 18:00:00)] was less than the threshold (2.0) (minimum 1 datapoint for OK -> ALARM transition).
- Timestamp: Monday 01 September, 2025 18:01:16 UTC
- AWS Account: 041568221033
- Alarm Arn: arn:aws:cloudwatch:us-east-1:041568221033:alarm:Alic\_alarmtesttarget

**Threshold:**  
The alarm is in the ALARM state when the metric is LessThanThreshold 2.0 for at least 1 of the last 1 period(s) of 30 seconds.

**Monitored Metric:**

- MetricNamespace: AWS/EC2
- MetricName: CPUUtilization
- Dimensions: [InstanceId = i-0771dbc9af1c47a0c]
- Period: 30 seconds
- Statistic: Average
- Unit: not specified
- TreatMissingData: missing

**State Change Actions:**

- OK:
- ALARM: [arn:aws:sns:us-east-1:041568221033:Quick\_alarmtesttarget]
- INSUFFICIENT\_DATA:

If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe:  
[https://sns.us-east-1.amazonaws.com/unsubscribe.htm?SubscriptionArn=arn:aws:sns:us-east-1:041568221033:Quick\\_alarmtesttarget%3e3e09f-0a81-44cc-870f-e4cdcf537fb&Endpoint=aunkumar.moorthy247@gmail.com](https://sns.us-east-1.amazonaws.com/unsubscribe.htm?SubscriptionArn=arn:aws:sns:us-east-1:041568221033:Quick_alarmtesttarget%3e3e09f-0a81-44cc-870f-e4cdcf537fb&Endpoint=aunkumar.moorthy247@gmail.com)

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Chrome File Edit View History Bookmarks Profiles Tab Window Help

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

AWS cloud WAN Subscriptions

**Amazon SNS**

- Dashboard
- Topics
- Subscriptions**
- Mobile
- Push notifications
- Text messaging (SMS)

**Subscriptions (4)**

| ID                            | Endpoint                     | Status    | Protocol | Topic   |
|-------------------------------|------------------------------|-----------|----------|---|
| 6f608000-7af8-42b5-aed0-6...  | arunkumarmoorthy247@gmail... | Confirmed | EMAIL    | <a href="#">Default_CloudWatch_Alarms_Topic</a> |
| 5ee96f-0a81-44cc-879f-e4...   | arunkumarmoorthy247@gmail... | Confirmed | EMAIL    | <a href="#">Quick_alaramtesttarget</a>          |
| 3c0323bb-3d45-4ac3-bade-7f... | arunkumarmoorthy247@gmail... | Confirmed | EMAIL    | <a href="#">Target_Alarmtest</a>                |
| Deleted                       | arunkumarmoorthy247@gmail... | Confirmed | EMAIL    | <a href="#">Alarm_Targetinstance</a>            |

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us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#AutoScalingGroups:id=TestAGGroup;view=activity

AWS EC2 Auto Scaling groups

- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances
- Dedicated Hosts
- Capacity Reservations
- Images
- AMIs
- AMI Catalog
- Elastic Block Store
- Volumes
- Snapshots
- Lifecycle Manager
- Network & Security
- Security Groups
- Elastic IPs
- Placement Groups
- Key Pairs
- Network Interfaces
- Load Balancing
- Load Balancers
- Target Groups
- Trust Stores
- Auto Scaling
- Auto Scaling Groups**
- Settings

**Auto Scaling groups (1/2) Info**

| Name  | Launch template/configuration        | Instances | Status               | Desired capacity | Min | Max | Availability Zones   | Created    |
|---|--------------------------------------|-----------|----------------------|------------------|-----|-----|----------------------|------------|
| <input checked="" type="checkbox"/> TestAGGroup | MyTestTemplateprod   Version Default | 1         | -                    | 1                | 1   | 1   | 2 Availability Zones | Mon Sep... |
| <input type="checkbox"/> My_testASG             | MyTest_template   Version Default    | 0         | Updating capacity... | 3                | 1   | 3   | 2 Availability Zones | Mon Sep... |

**Auto Scaling group: TestAGGroup**

**Activity history (5)**

| Status     | Description                                       | Cause   | Start time                            | End time                              |
|------------|---|---|---------------------------------------|---------------------------------------|
| Successful | Launching a new EC2 instance: i-0771dbc9af1c47a0c | At 2025-09-01T17:35:15Z an instance was launched in response to an unhealthy instance needing to be replaced.   | 2025 September 01, 06:35:17 PM +01:00 | 2025 September 01, 06:35:33 PM +01:00 |
| Successful | Terminating EC2 instance: i-0e51574bc8206257b     | At 2025-09-01T17:35:15Z an instance was taken out of service in response to an EC2 health check indicating it has been terminated or stopped.   | 2025 September 01, 06:35:15 PM +01:00 | 2025 September 01, 06:40:17 PM +01:00 |
| Successful | Launching a new EC2 instance: i-0e51574bc8206257b | At 2025-09-01T17:09:19Z an instance was launched in response to an unhealthy instance needing to be replaced.   | 2025 September 01, 06:09:20 PM +01:00 | 2025 September 01, 06:09:26 PM +01:00 |
| Successful | Terminating EC2 instance: i-01b0617be40af8e96     | At 2025-09-01T17:09:18Z an instance was taken out of service in response to an EC2 health check indicating it has been terminated or stopped.   | 2025 September 01, 06:09:18 PM +01:00 | 2025 September 01, 06:14:21 PM +01:00 |
| Successful | Launching a new EC2 instance: i-01b0617be40af8e96 | At 2025-09-01T16:55:14Z a user request created an AutoScalingGroup changing the desired capacity from 0 to 1. At 2025-09-01T16:55:15Z an instance was started in response to a difference between desired and actual capacity, increasing the capacity from 0 to 1. | 2025 September 01, 05:55:17 PM +01:00 | 2025 September 01, 05:55:24 PM +01:00 |

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Screenshot of the AWS EC2 Instances page showing a list of running instances.

**Instances (1/6) Info**

| Name        | Instance ID         | Instance state | Instance type | Status check      | Alarm status   | Availability Zone | Public IPv4 DNS | Public IPv4 ... | Elastic |
|-------------|---------------------|----------------|---------------|-------------------|----------------|-------------------|-----------------|-----------------|---------|
| Newlaunch   | i-0a17e43795e446ba6 | Running        | t2.micro      | 2/2 checks passed | View alarms +  | us-east-1a        | -               | 54.197.179.227  | -       |
| ASGNew1     | i-0e51574bc8206257b | Terminated     | t3.micro      | -                 | △ 1 in alarm + | us-east-1a        | -               | -               | -       |
| Newlaunch2  | i-061451984d3901ce5 | Running        | t2.micro      | 2/2 checks passed | View alarms +  | us-east-1b        | -               | 34.235.155.186  | -       |
| ASGTarget   | i-01b0617be40af8e96 | Terminated     | t3.micro      | -                 | View alarms +  | us-east-1a        | -               | -               | -       |
| Templaunch  | i-0042c917317498821 | Running        | t3.micro      | 3/3 checks passed | △ 1 in alarm + | us-east-1a        | -               | 204.236.208.231 | -       |
| TestLaunch3 | i-0fb79f89e9f3da703 | Running        | t2.micro      | 2/2 checks passed | View alarms +  | us-east-1a        | -               | 18.205.22.246   | -       |

**i-0042c917317498821 (Templaunch)**

**Details** Status and alarms Monitoring Security Networking Storage Tags

**Instance summary**

|                                  |                                     |                                      |                                     |
|----------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|
| Instance ID                      | i-0042c917317498821                 | Public IPv4 address                  | 204.236.208.231   open address      |
| IPv6 address                     | -                                   | Instance state                       | Running                             |
| Hostname type                    | IP name: ip-10-0-1-155.ec2.internal | Private IP DNS name (IPv4 only)      | ip-10-0-1-155.ec2.internal          |
| Answer private resource DNS name | -                                   | Instance type                        | t3.micro                            |
| Auto-assigned IP address         | 204.236.208.231 [Public IP]         | VPC ID                               | vpc-02d26be7b004f07ed (My Test VPC) |
| IAM Role                         | Subnet ID                           | Private IPv4 addresses<br>10.0.1.155 |                                     |

**CloudWatch Alarms**

**Alarms (2)**

| Name                 | State      | Last state update (UTC) | Conditions  | Actions         |
|----------------------|------------|-------------------------|---|-----------------|
| Alarm_targettest     | △ In alarm | 2025-09-01 17:17:17     | CPUUtilization < 2 for 1 datapoints within 1 minute | Actions enabled |
| Alarm_Targetinstance | △ In alarm | 2025-09-01 17:06:32     | CPUUtilization < 2 for 1 datapoints within 1 minute | Actions enabled |

The screenshot shows the AWS CloudWatch Alarms page. On the left is a navigation sidebar with links like AI Operations, Alarms, Logs, Metrics, Application Signals (APM), Network Monitoring, and Insights. The main area displays two alarms:

| Name                 | State    | Last state update (UTC) | Conditions  | Actions         |
|----------------------|----------|-------------------------|---|-----------------|
| Alarm_targettest     | OK       | 2025-09-01 17:16:17     | CPUUtilization < 2 for 1 datapoints within 1 minute | Actions enabled |
| Alarm_Targetinstance | In alarm | 2025-09-01 17:06:32     | CPUUtilization < 2 for 1 datapoints within 1 minute | Actions enabled |

The screenshot shows an email from AWS Notifications (no-reply@sns.amazonaws.com) titled "ALARM: "Alarm\_Targetinstance" in US East (N. Virginia)". The email details the alarm configuration and the event that triggered it.

**Alarm Details:**

- Name: Alarm\_Targetinstance
- Description:
- State Change: INSUFFICIENT\_DATA->ALARM
- Reason for State Change: Threshold Crossed: 1 out of the last 1 datapoints [0.3250054167569459 (01/09/25 17:05:00)] was less than the threshold (2.0) (minimum 1 datapoint for OK->ALARM transition).
- Timestamp: Monday 01 September, 2025 17:06:32 UTC
- AWS Account: 041568221033
- Alarm Arn: arn:aws:cloudwatch:us-east-1:041568221033:alarm:Alarm\_Targetinstance

**Threshold:**

- The alarm is in the ALARM state when the metric is LessThanThreshold 2.0 for at least 1 of the last 1 period(s) of 60 seconds.

**Monitored Metric:**

- MetricNamespace: AWS/E2
- MetricName: CPU Utilization
- Dimensions: [InstanceId = i-0042c917317498821]
- Period: 60 seconds
- Statistic: Average
- Unit: not specified
- TreatMissingData: missing

**State Change Actions:**

- OK:
- ALARM: [arn:aws:sns:us-east-1:041568221033:Alarm\_Targetinstance]
- INSUFFICIENT\_DATA:

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[https://sns.us-east-1.amazonaws.com/usubscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:041568221033:Alarm\\_Targetinstance:324a5cb0-31d9-4a97-9b4a-8ebe5f9943f7&Endpoint=arunkumarmoorthy247@gmail.com](https://sns.us-east-1.amazonaws.com/usubscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:041568221033:Alarm_Targetinstance:324a5cb0-31d9-4a97-9b4a-8ebe5f9943f7&Endpoint=arunkumarmoorthy247@gmail.com)

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The screenshot shows the AWS CloudWatch Alarms page. On the left, there's a navigation sidebar with sections like AI Operations, Alarms, Logs, Metrics, Application Signals (APM), Network Monitoring, and Insights. The main area displays a table titled 'Alarms (1)'. The single alarm listed is 'Alarm\_TargetInstance', which is currently 'In alarm'. It was last updated on 2025-09-01 17:06:32 and has the condition 'CPUUtilization < 2 for 1 datapoints within 1 minute'. The status is 'Actions enabled'. At the top right, there are buttons for 'Create composite alarm', 'Actions', and 'Create alarm'.

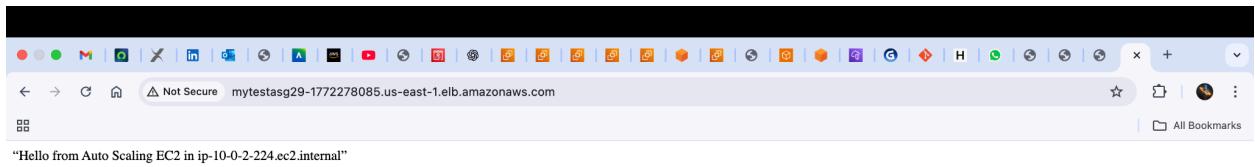
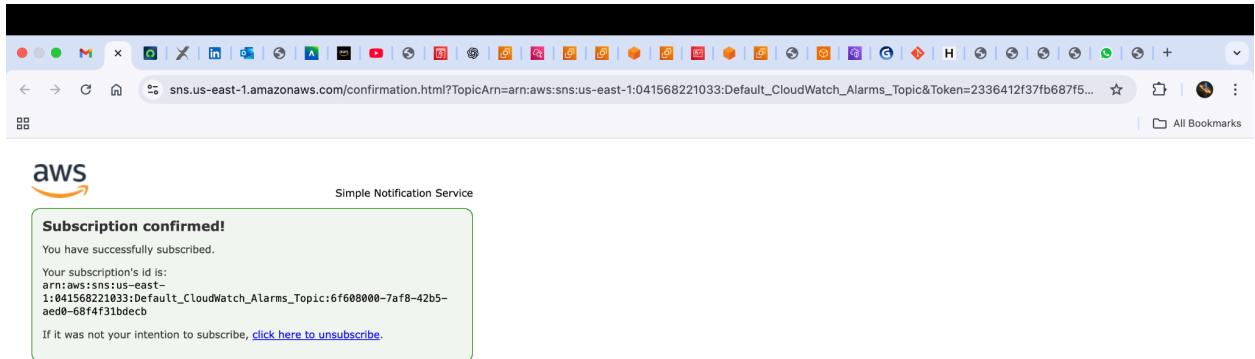
CloudWatch

Alarms (1)

| Name                 | State    | Last state update (UTC) | Conditions  | Actions         |
|----------------------|----------|-------------------------|---|-----------------|
| Alarm_TargetInstance | In alarm | 2025-09-01 17:06:32     | CPUUtilization < 2 for 1 datapoints within 1 minute | Actions enabled |

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The screenshot shows a web browser window with the URL 'mytestasg29-1772278085.us-east-1.elb.amazonaws.com'. The page content is a simple text message: "Hello from Auto Scaling EC2 in ip-10-0-1-167.ec2.internal!"



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

EC2 > Load balancers

Instances Images Elastic Block Store Network & Security Load Balancing Auto Scaling

Load balancers (1/1)

MyTestASG29

Last fetched seconds ago

Listeners (1) Rules (1) Target groups (1) Targets (3)

HTTP:80 1 rule Priority default Forward to target group

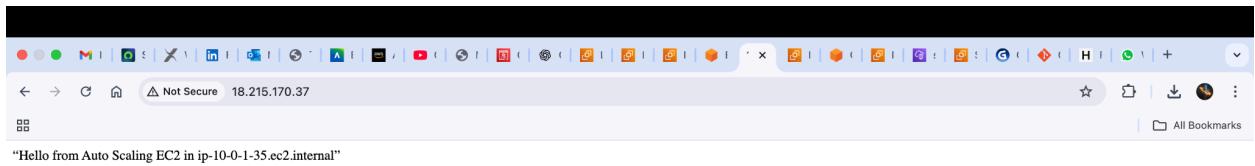
Conditions (If) if no other rule applies

Target group: MytestASG29

Targets (3)

| Target              | Port    |
|---------------------|---------|
| i-01386780282e273f6 | Port 80 |
| i-061451984d3901ce5 | Port 80 |
| i-0a17e43795e446ba6 | Port 80 |

"Hello from Auto Scaling EC2 in ip-10-0-1-103.ec2.internal"



Screenshot of the AWS VPC Subnets console page.

**Subnets (1/2) Info**

| Name     | Subnet ID                | State     | VPC                             | Block Public... | IPv4 CIDR   | IPv6 CIDR |
|----------|--------------------------|-----------|---------------------------------|-----------------|-------------|-----------|
| SubnetQ1 | subnet-0563255deacb1fa35 | Available | vpc-02d26be7b004f07ed   My T... | Off             | 10.0.1.0/24 | -         |
| SubnetQ2 | subnet-0e0762ca13d9faa7  | Available | vpc-02d26be7b004f07ed   My T... | Off             | 10.0.2.0/24 | -         |

**subnet-0563255deacb1fa35 / SubnetQ1**

**Details**

|   |  |  |   |
|---|--|--|---|
| Subnet ID<br>subnet-0563255deacb1fa35         | Subnet ARN<br>arn:aws:ec2:us-east-1:041568221033:subnet/subnet-0563255deacb1fa35 | State<br>Available                         | Block Public Access<br>Off                        |
| IPv4 CIDR<br>10.0.1.0/24                      | Available IPv4 addresses<br>251  | IPv6 CIDR<br>-                             | IPv6 CIDR association ID<br>-                     |
| Availability Zone<br>use1-az2 (us-east-1a)    | Network border group<br>us-east-1  | VPC<br>vpc-02d26be7b004f07ed   My Test VPC | Route table<br>rtb-01ac665c04685941   MytestRoute |
| Network ACL<br>acl-07fcf3e5c5c2b1af31         | Default subnet<br>No   | Auto-assign public IPv4 address<br>No      | Auto-assign IPv6 address<br>No                    |
| Auto-assign customer-owned IPv4 address<br>No | Customer-owned IPv4 pool<br>-  | Hostname type<br>IP name                   | IPv4 CIDR reservations<br>-                       |
| IPv6 CIDR reservations<br>-                   | IPv6-only<br>No  | Owner<br>041568221033                      | Resource name DNS AAAA record<br>Disabled         |
| Resource name DNS AAAA record<br>Disabled     | DNS64  |  |   |

Screenshot of the AWS VPC Your VPCs console page.

**Your VPCs (1/2) Info**

| Name        | VPC ID                | State     | Block Public... | IPv4 CIDR     | IPv6 CIDR | DHCP option set        | Main   |
|-------------|-----------------------|-----------|-----------------|---------------|-----------|------------------------|--------|
| -           | vpc-042e1055e4d9ea65f | Available | Off             | 172.31.0.0/16 | -         | dopt-0fa802b0b33934... | rtb-05 |
| My Test VPC | vpc-02d26be7b004f07ed | Available | Off             | 10.0.0.0/16   | -         | dopt-0fa802b0b33934... | rtb-04 |

**vpc-02d26be7b004f07ed / My Test VPC**

**Resource map**

```

graph LR
    VPC[VPC: My Test VPC] --- SubnetQ1[SubnetQ1]
    VPC --- SubnetQ2[SubnetQ2]
    SubnetQ1 --- RouteTable1[rtb-0a08475f88d0a20c6]
    SubnetQ2 --- RouteTable1
    SubnetQ1 --- RouteTable2[MytestRoute]
    SubnetQ2 --- RouteTable2
    RouteTable1 --- NetworkConnection[My_testIG]
    RouteTable2 --- NetworkConnection
  
```