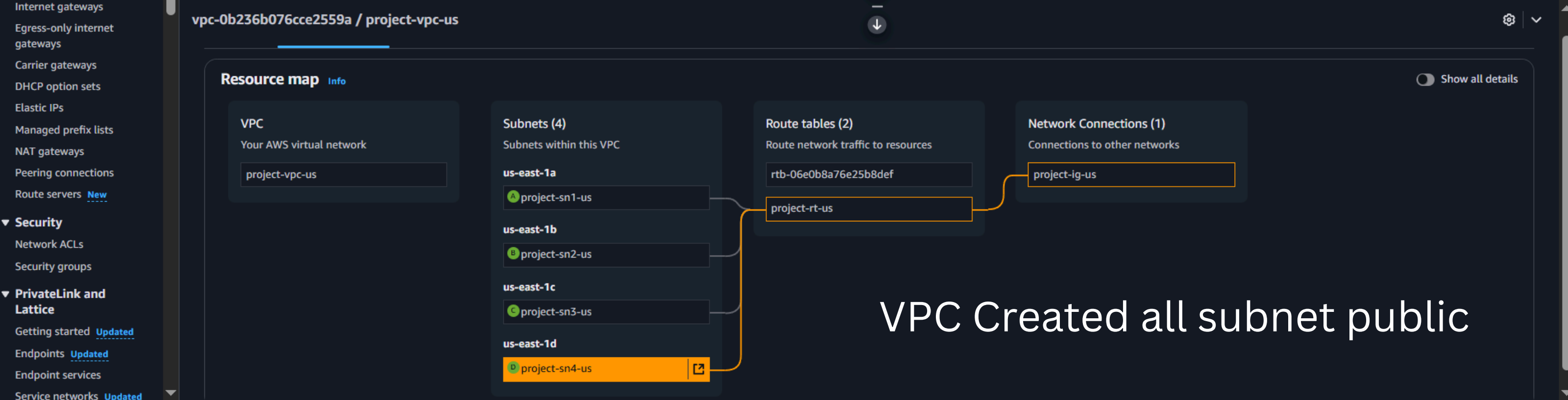


Your VPCs (1/2) [Info](#)

Find VPCs by attribute or tag

	Name	VPC ID	State	Block Public...	IPv4 CIDR	IPv6 CIDR	DHCP option set	Main route table	Mair
<input type="checkbox"/>	-	vpc-0ef6a72f66ff9a6ef	Available	Off	172.31.0.0/16	-	dopt-0c4ac4680de6311...	rtb-09d5c1b736b569b44	acl-C
<input checked="" type="checkbox"/>	project-vpc-us	vpc-0b236b076cce2559a	Available	Off	10.0.0.0/16	-	dopt-0c4ac4680de6311...	rtb-06e0b8a76e25b8def	acl-C



VPC Created all subnet public



SNS of object uploaed in S3 i.e website file



1 of 1,438

**AWS Notifications**

2:37 PM (1 minute ago)



Service: AWS Auto Scaling Time: 2025-09-15T09:07:25.170Z RequestId: 49066532-8223-713a-675b-41bfa16de9f1 ActivityId: 49066532-8223-713a-675b-41bfa16de9f1 Descri

**AWS Notifications** <no-reply@sns.amazonaws.com>

2:37 PM (1 minute ago)



to me ▾

Service: AWS Auto Scaling

Time: 2025-09-15T09:07:25.217Z

RequestId: ee066532-8224-89ab-0fc2-4d52691d71d0

Event: autoscaling:EC2_INSTANCE_LAUNCH

AccountId: 011587325718

AutoScalingGroupName: project-asg-us

AutoScalingGroupARN: arn:aws:autoscaling:us-east-1:011587325718:autoScalingGroup:437d1971-ec6c-4de6-9025-a5322cdace05:autoScalingGroupName/project-asg-us

ActivityId: ee066532-8224-89ab-0fc2-4d52691d71d0

Description: Launching a new EC2 instance: i-0a77f5d7750446861

Cause: At 2025-09-15T09:06:47Z a user request update of AutoScalingGroup constraints to min: 2, max: 4, desired: 2 changing the desired capacity from 0 to 2. At 2025-09-15T09:06:51Z an instance was started in response to a difference between desired and actual capacity, increasing the capacity from 0 to 2.

StartTime: 2025-09-15T09:06:53.346Z

EndTime: 2025-09-15T09:07:25.217Z

StatusCode: InProgress

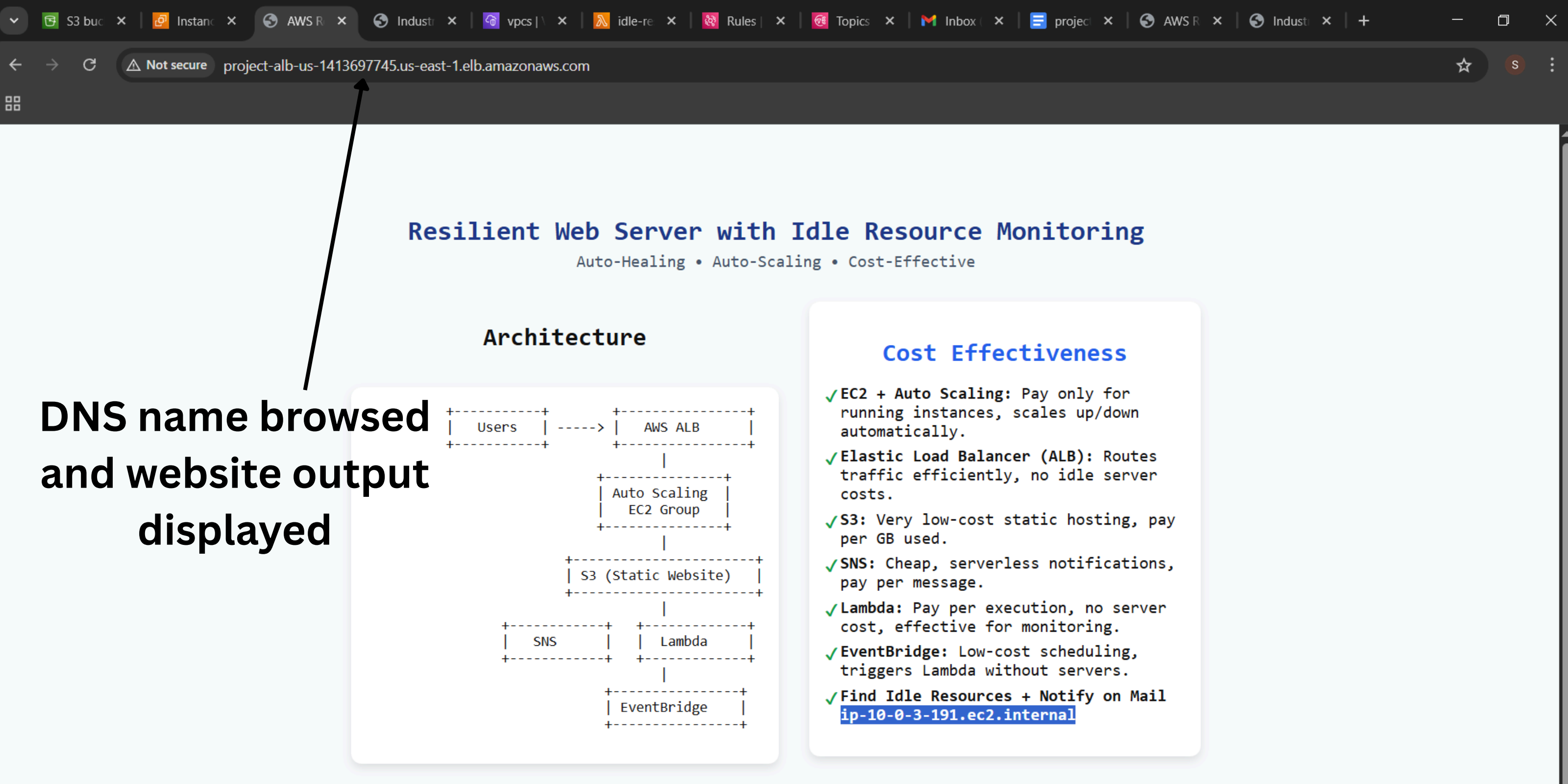
StatusMessage:

Progress: 50

EC2InstanceId: i-0a77f5d7750446861



Notification of Insatances are lanunched by ASG

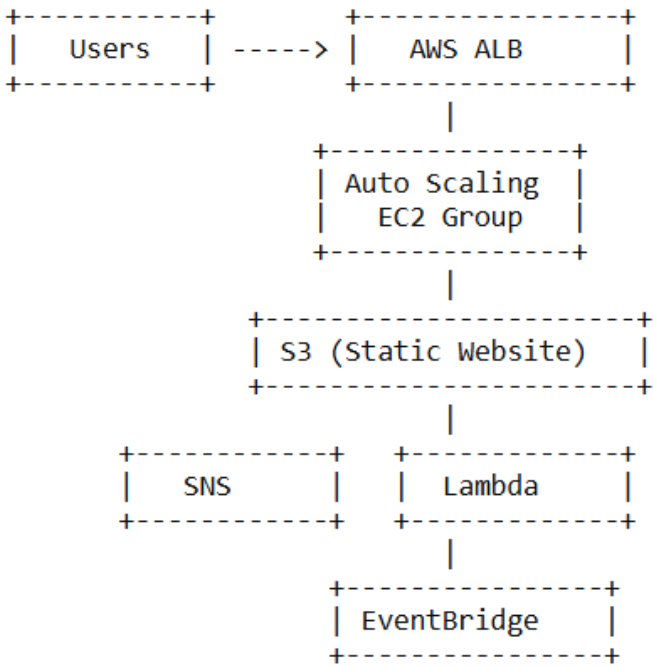


DNS name browsed
and website output
displayed

Resilient Web Server with Idle Resource Monitoring

Auto-Healing • Auto-Scaling • Cost-Effective

Architecture



Cost Effectiveness

- ✓ **EC2 + Auto Scaling:** Pay only for running instances, scales up/down automatically.
- ✓ **Elastic Load Balancer (ALB):** Routes traffic efficiently, no idle server costs.
- ✓ **S3:** Very low-cost static hosting, pay per GB used.
- ✓ **SNS:** Cheap, serverless notifications, pay per message.
- ✓ **Lambda:** Pay per execution, no server cost, effective for monitoring.
- ✓ **EventBridge:** Low-cost scheduling, triggers Lambda without servers.
- ✓ **Find Idle Resources + Notify on Mail** [ip-10-0-3-191.ec2.internal](#)

aws

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United States (N. Virginia)

Account ID: 0115-8732-5718

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Info

Last updated 5 minutes ago

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

1

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
<input checked="" type="checkbox"/>		i-0a77f5d7750446861	Running	t2.medium	2/2 checks passed	View alarms	us-east-1a	ec2-44-19...
<input type="checkbox"/>		i-09d60e09dfbbab9fc	Running	t2.medium	2/2 checks passed	View alarms	us-east-1b	ec2-54-89...
<input type="checkbox"/>		i-030bd369a99b5c900	Running	t2.medium	2/2 checks passed	View alarms	us-east-1c	ec2-100-1...
<input type="checkbox"/>		i-004d0e65c4e641be7	Running	t2.medium	2/2 checks passed	View alarms	us-east-1d	ec2-54-24...

i-0a77f5d7750446861

Percent

97.8

48.9

0

08:20

09:15

Bytes

821k

411k

0

08:20

09:15

Bytes

69.9k

34.9k

0

08:20

09:15

Count

731

365

0

08:20

09:15

Network packets out (count)

Metadata no token (count)

CPU credit usage (count)

CPU credit balance (count)

2 instances are launched

cause

CPU utilization > 50%

CloudShell

Feedback

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AWS Notifications <no-reply@sns.amazonaws.com>

2:53 PM (2 hours ago)



to me ▾

Service: AWS Auto Scaling

Time: 2025-09-15T09:23:20.424Z

RequestId: 11e66532-bc71-a984-9ae4-4d588d0ce851

Event: autoscaling:EC2_INSTANCE_LAUNCH

AccountId: 011587325718

AutoScalingGroupName: project-asg-us

AutoScalingGroupARN: arn:aws:autoscaling:us-east-1:011587325718:autoScalingGroup:437d1971-ec6c-4de6-9025-a5322cdace05:autoScalingGroupName/project-asg-us

ActivityId: 11e66532-bc71-a984-9ae4-4d588d0ce851

Description: Launching a new EC2 instance: i-09d60e09dfbbab9fc

Cause: At 2025-09-15T09:22:39Z a monitor alarm TargetTracking-project-asg-us-AlarmHigh-4dc4f65e-f0e8-4752-aa4f-e5fad09bdfef in state ALARM triggered policy Target Tracking Policy changing the desired capacity from 2 to 4. At 2025-09-15T09:22:46Z an instance was started in response to a difference between desired and actual capacity, increasing the capacity from 2 to 4.

StartTime: 2025-09-15T09:22:48.554Z

EndTime: 2025-09-15T09:23:20.424Z

StatusCode: InProgress

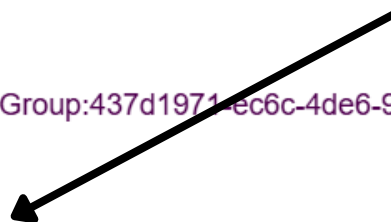
StatusMessage:

Progress: 50

EC2InstanceId: i-09d60e09dfbbab9fc

Details: {"Subnet ID":"subnet-095a74ff225923bcc","Availability Zone":"us-east-1b","InvokingAlarms":[{"AlarmArn":"arn:aws:cloudwatch:us-east-1:011587325718:alarm:TargetTracking-project-asg-us-AlarmHigh-4dc4f65e-f0e8-4752-aa4f-e5fad09bdfef","Trigger":{"MetricName":"CPUUtilization","EvaluateLowSampleCountPercentile":"","ComparisonOperator":"GreaterThanThreshold","TreatMissingData":"","Statistic":"AVERAGE","StatisticType":"Statistic","Period":60,"EvaluationPeriods":3,"Unit":null,"Namespace":"AWS/EC2","Threshold":50},"AlarmName":"TargetTracking-project-asg-us-AlarmHigh-4dc4f65e-f0e8-4752-aa4f-e5fad09bdfef","AlarmDescription":"DO NOT EDIT OR DELETE. For TargetTrackingScaling policy arn:aws:autoscaling:us-east-1:011587325718:scalingPolicy:64019cac-bcf0-46de-82b2-8ce171b119e3:autoScalingGroupName/project-asg-us:policyName/Target Tracking Policy.","AWSAccountId":"011587325718","OldStateValue":"OK","Region":"US East (N. Virginia)","NewStateValue":"ALARM","AlarmConfigurationUpdatedTimestamp":1757843298178,"StateChangeTime":1757928159836}]}

SNS auto instance launch cause



←→↺

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

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United States (N. Virginia) ▾

Account ID: 0115-8732-5718 ▾

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Last updated less than a minute ago ↺

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Instance state ▾

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Launch instances ▾

Find Instance by attribute or tag (case-sensitive)

All states ▾

< 1 >

⚙️

Instance ID	Instance state ▾	Instance type ▾	Status check	Alarm status	Availability Zone ▾	Public IPv4 DNS ▾	Pul
i-0a77f5d7750446861	Terminated ⚙️ 🔍	t2.medium	–	View alarms +	us-east-1a	–	–
i-09d60e09dfbbab9fc	Running 🔍 🔍	t2.medium	2/2 checks passed	View alarms +	us-east-1b	ec2-54-89-79-216.com...	54.
i-030bd369a99b5c900	Running 🔍 🔍	t2.medium	2/2 checks passed	View alarms +	us-east-1c	ec2-100-27-191-185.co...	100
i-004d0e65c4e641be7	Terminated 🔍 🔍	t2.medium	–	View alarms +	us-east-1d	–	–

Select an instance

2 instances are terminated cause CPU utilization in controll < 50 %

⚙️ ▾

Notification by AWS 2 instances are terminated cause CPU utilization in control < 50 %

to me ▾

Service: AWS Auto Scaling
Time: 2025-09-15T09:52:27.294Z
RequestId: 33b51e19-1cdd-46ec-9283-d020957107f8
Event: autoscaling:EC2_INSTANCE_TERMINATE
AccountId: 011587325718
AutoScalingGroupName: project-asg-us
AutoScalingGroupARN: arn:aws:autoscaling:us-east-1:011587325718:autoScalingGroup:437d1971-ec6c-4de6-9025-a5322cdace05:autoScalingGroupName/project-asg-us
ActivityId: 33b51e19-1cdd-46ec-9283-d020957107f8
Description: Terminating EC2 instance: i-0a77f5d7750446861
Cause: At 2025-09-15T09:46:33Z a monitor alarm TargetTracking-project-asg-us-AlarmLow-60b55dd3-be09-4f5c-8a0e-f0136eecd431 in state ALARM triggered policy Target Tracking Policy changing the desired capacity from 3 to 2. At 2025-09-15T09:46:44Z an instance was taken out of service in response to a difference between desired and actual capacity, shrinking the capacity from 3 to 2. At 2025-09-15T09:46:44Z instance i-0a77f5d7750446861 was selected for termination.
StartTime: 2025-09-15T09:46:44.909Z
EndTime: 2025-09-15T09:52:27.294Z
StatusCode: InProgress
StatusMessage:
Progress: 50
EC2InstanceId: i-0a77f5d7750446861
Details: {"Subnet ID": "subnet-03c27224550e9d165", "Availability Zone": "us-east-1a", "InvokingAlarms": [{"AlarmArn": "arn:aws:cloudwatch:us-east-1:011587325718:alarm:TargetTracking-project-asg-us-AlarmLow-60b55dd3-be09-4f5c-8a0e-f0136eecd431", "Trigger": {"MetricName": "CPUUtilization", "EvaluateLowSampleCountPercentile": "", "ComparisonOperator": "LessThanThreshold", "TreatMissingData": "", "Statistic": "AVERAGE", "StatisticType": "Statistic", "Period": 60, "EvaluationPeriods": 15, "Unit": null, "Namespace": "AWS/EC2", "Threshold": 35}, "AlarmName": "TargetTracking-project-asg-us-AlarmLow-60b55dd3-be09-4f5c-8a0e-f0136eecd431", "AlarmDescription": "DO NOT EDIT OR DELETE. For TargetTrackingScaling policy arn:aws:autoscaling:us-east-1:011587325718:scalingPolicy:64019cac-bcf0-46de-82b2-8ce171b119e3:autoScalingGroupName/project-asg-us:policyName/Target Tracking Policy.", "AWSAccountId": "011587325718", "OldStateValue": "ALARM", "Region": "US East (N. Virginia)", "NewStateValue": "ALARM", "AlarmConfigurationUpdatedTimestamp": 1757929503810, "StateChangeTime": 1757929503641}]}

to me ▾

Service: AWS Auto Scaling
Time: 2025-09-15T09:50:58.949Z
RequestId: 9c999cb0-5a61-4714-8230-bca1e6311bd7
Event: autoscaling:EC2_INSTANCE_TERMINATE
AccountId: 011587325718
AutoScalingGroupName: project-asg-us
AutoScalingGroupARN: arn:aws:autoscaling:us-east-1:011587325718:autoScalingGroup:437d1971-ec6c-4de6-9025-a5322cdace05:autoScalingGroupName/project-asg-us
ActivityId: 9c999cb0-5a61-4714-8230-bca1e6311bd7
Description: Terminating EC2 instance: i-004d0e65c4e641be7
Cause: At 2025-09-15T09:45:03Z a monitor alarm TargetTracking-project-asg-us-AlarmLow-60b55dd3-be09-4f5c-8a0e-f0136eecd431 in state ALARM triggered policy Target Tracking Policy changing the desired capacity from 4 to 3. At 2025-09-15T09:45:16Z an instance was taken out of service in response to a difference between desired and actual capacity, shrinking the capacity from 4 to 3. At 2025-09-15T09:45:16Z instance i-004d0e65c4e641be7 was selected for termination.
StartTime: 2025-09-15T09:45:16.441Z
EndTime: 2025-09-15T09:50:58.949Z
StatusCode: InProgress
StatusMessage:
Progress: 50
EC2InstanceId: i-004d0e65c4e641be7
Details: {"Subnet ID": "subnet-0c1f6186f356159ad", "Availability Zone": "us-east-1d", "InvokingAlarms": [{"AlarmArn": "arn:aws:cloudwatch:us-east-1:011587325718:alarm:TargetTracking-project-asg-us-AlarmLow-60b55dd3-be09-4f5c-8a0e-f0136eecd431", "Trigger": {"MetricName": "CPUUtilization", "EvaluateLowSampleCountPercentile": "", "ComparisonOperator": "LessThanThreshold", "TreatMissingData": "", "Statistic": "AVERAGE", "StatisticType": "Statistic", "Period": 60, "EvaluationPeriods": 15, "Unit": null, "Namespace": "AWS/EC2", "Threshold": 37.5}, "AlarmName": "TargetTracking-project-asg-us-AlarmLow-60b55dd3-be09-4f5c-8a0e-f0136eecd431", "AlarmDescription": "DO NOT EDIT OR DELETE. For TargetTrackingScaling policy arn:aws:autoscaling:us-east-1:011587325718:scalingPolicy:64019cac-bcf0-46de-82b2-8ce171b119e3:autoScalingGroupName/project-asg-us:policyName/Target Tracking Policy.", "AWSAccountId": "011587325718", "OldStateValue": "OK", "Region": "US East (N. Virginia)", "NewStateValue": "ALARM", "AlarmConfigurationUpdatedTimestamp": 1757928159983, "StateChangeTime": 1757929503641}]}

Origin: AutoScalingGroup
Destination: EC2

←→↺us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:☆S⋮

aws

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United States (N. Virginia) ▾

Account ID: 0115-8732-5718 ▾

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Find Instance by attribute or tag (case-sensitive)

All states ▾

< 1 > ⚙️

<input type="checkbox"/>	Name 🔗 ▾	Instance ID	Instance state ▾	Instance type ▾	Status check	Alarm status	Availability Zone ▾	Public IP
<input type="checkbox"/>		i-0a77f5d7750446861	⏻ Terminated 🔍 🔍	t2.medium	—	View alarms +	us-east-1a	—
<input checked="" type="checkbox"/>		i-09d60e09dfbbab9fc	⏸ Stopping 🔍 🔍	t2.medium	—	View alarms +	us-east-1b	ec2-54-89-79-216
<input type="checkbox"/>		i-030bd369a99b5c900	🟢 Running 🔍 🔍	t2.medium	🟢 2/2 checks passed	View alarms +	us-east-1c	ec2-100-20-130-100
<input type="checkbox"/>		i-004d0e65c4e641be7	⏻ Terminated 🔍 🔍	t2.medium	—	View alarms +	us-east-1d	—

i-09d60e09dfbbab9fc

⚙️ ▾

Details

Status and alarms

Monitoring

Security

Networking

Storage

Tags

▼ Instance summary Info

Instance ID

📄 i-09d60e09dfbbab9fc

Public IPv4 address

📄 54.89.79.216 | open address ↗️

Private IPv4 addresses

📄 10.0.2.76

IPv6 address

—

Instance state

⏸ Stopping

Public DNS

📄 ec2-54-89-79-216.compute-1.amazonaws.com | open address ↗️

Instance stopped to check automatic new instance can launch

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AWS Notifications <no-reply@sns.amazonaws.com>

3:52 PM (1 hour ago)



to me ▾

Service: AWS Auto Scaling

Time: 2025-09-15T10:22:16.724Z

RequestId: afd66533-828f-2cd0-a4ae-c3be838f7ff0

Event: autoscaling:EC2_INSTANCE_TERMINATE

AccountId: 011587325718

AutoScalingGroupName: project-asg-us

AutoScalingGroupARN: arn:aws:autoscaling:us-east-1:011587325718:autoScalingGroup:437d1971-ec6c-4de6-9025-a5322cdace05:autoScalingGroupName/project-asg-us

ActivityId: afd66533-828f-2cd0-a4ae-c3be838f7ff0

Description: Terminating EC2 instance: i-09d60e09dfbbab9fc

Cause: At 2025-09-15T10:16:54Z an instance was taken out of service in response to an EC2 health check indicating it has been terminated or stopped.

StartTime: 2025-09-15T10:16:54.475Z

EndTime: 2025-09-15T10:22:16.724Z

StatusCode: InProgress

StatusMessage:

Progress: 50

EC2InstanceId: i-09d60e09dfbbab9fc

Details: {"Subnet ID":"subnet-095a74ff225923bcc","Availability Zone":"us-east-1b"}



Origin: AutoScalingGroup

Destination: EC2

notification when ec2 stopped
automatic new ec2 launched



AWS Notmications 11:13 AM (6 hours ago) ☆
Service: AWS Auto Scaling Time: 2025-09-15T05:43:12.193Z RequestId: 3f36652f-97e7-6722-7dbb-746f3ac38729 Event: autoscaling:EC2_INSTANCE_LAUNCH AccountId: 01158

4

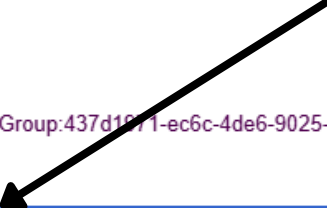
AWS Notifications 2:53 PM (2 hours ago) ☆
Service: AWS Auto Scaling Time: 2025-09-15T09:23:20.424Z RequestId: 11e66532-bc71-a984-9ae4-4d588d0ce851 ActivityId: 11e66532-bc71-a984-9ae4-4d588d0ce851 Descri


AWS Notifications <no-reply@sns.amazonaws.com> 3:47 PM (2 hours ago) ☆ 😊 ↩️ ⋮
to me ▾

Service: AWS Auto Scaling
Time: 2025-09-15T10:17:28.253Z
RequestId: 68566533-82ac-98aa-d78f-874e73804732
Event: autoscaling:EC2_INSTANCE_LAUNCH
AccountId: 011587325718
AutoScalingGroupName: project-asg-us
AutoScalingGroupARN: arn:aws:autoscaling:us-east-1:011587325718:autoScalingGroup:437d1971-ec6c-4de6-9025-a5322cdace05:autoScalingGroupName/project-asg-us
ActivityId: 68566533-82ac-98aa-d78f-874e73804732
Description: Launching a new EC2 instance: i-0027da28d7577f8d7
Cause: At 2025-09-15T10:16:54Z an instance was launched in response to an unhealthy instance needing to be replaced.
StartTime: 2025-09-15T10:16:56.358Z
EndTime: 2025-09-15T10:17:28.253Z
StatusCode: InProgress
StatusMessage:
Progress: 50
EC2InstanceId: i-0027da28d7577f8d7

⋮

auto instance launch cause



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Unattached Elastic IP: 3.220.77.162
NAT Gateway Active: nat-054b726c2f5c4fb9a (Costly)
ALB with no targets: lb
Empty S3 Bucket: test-empty-bkt

ideal resouces list




Unattached Elastic IP: 3.220.77.162
NAT Gateway Active: nat-054b726c2f5c4fb9a (Costly)
ALB with no targets: lb
Empty S3 Bucket: test-empty-bkt

Sep 15, 2025, 3:57 PM (

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<https://sns.us-east-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:011587325718:cost-alerts:47ebe16e-ce04-47b9-84f1-e9a3ba473013&Endpoint=randhesanket@gmail.com>

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**ALB deleted List after ,
3 min auto lambda triggered**

Unattached Elastic IP: 3.220.77.162
NAT Gateway Active: nat-054b726c2f5c4fb9a (Costly)
Empty S3 Bucket: test-empty-bkt




Unattached Elastic IP: 3.220.77.162
NAT Gateway Active: nat-054b726c2f5c4fb9a (Costly)
Empty S3 Bucket: test-empty-bkt

Sep 15, 2025, 3:59 PM (

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<https://sns.us-east-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:011587325718:cost-alerts:47ebe16e-ce04-47b9-84f1-e9a3ba473013&Endpoint=randhesanket@gmail.com>

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NAT & S3-bkt deleted, List after 3 min auto lambda triggered

Unattached Elastic IP: 3.220.77.162



Unattached Elastic IP: 3.220.77.162

Sep 15, 2025, 4:02 PM (