

Instances | EC2 Management Console | CloudWatch Management Console

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

Services Search [Alt+S] N. Virginia The Eshwar Kanna

New EC2 Experience Tell us what you think

EC2 Dashboard
EC2 Global View
Events
Tags
Limits

▼ Instances

Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Scheduled Instances
Capacity Reservations

Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
cloudwatch	i-076785fbfb375dfd2	Pending	t2.micro	-	No alarms

Instance: i-076785fbfb375dfd2 (cloudwatch)

Details Security Networking Storage Status checks Monitoring Tags

▼ Instance summary Info

Instance ID i-076785fbfb375dfd2 (cloudwatch)	Public IPv4 address 18.209.221.2 open address	Private IPv4 addresses 172.31.9.76
IPv6 address -	Instance state Pending	Public IPv4 DNS ec2-18-209-221-2.compute-1.amazonaws.com open address

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Waiting for us-east-1.console.aws.amazon.com... 30°C Sunny 13:03 06-02-2023

Instances | EC2 Management Console | CloudWatch Management Console

https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#metricsV2:graph=~(view=~timeSeries...

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CloudWatch > Metrics

Untitled graph

1h 3h 12h 1d 3d 1w Custom (5m) Line Actions

Browse Query Graphed metrics Options Source Add math Add query

Metrics (72) Info

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

Logs 2
• View automatic dashboard

Usage 70
• View automatic dashboard

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Instances | EC2 Management Co x CloudWatch Management Cons x +

← https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#metricsV2:graph=~(view~'pie~stacke... A

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CloudWatch > Metrics

Untitled graph 1h 3h 12h 1d 3d 1w Custom (5m) Pie Actions

Browse Query Graphed metrics Options Source Add math Add query

Mumbai Search for any metric, dimension, resource id or account id

ApplicationELB 124 View automatic dashboard

DynamoDB 12 View automatic dashboard

EBS 122 View automatic dashboard

EC2 218 View automatic dashboard

ELB 74 View automatic dashboard

Firehose 2 View automatic dashboard

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← https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#metricsV2:graph=~(view~'pie~stacke... A

aws Services Search [Alt+S] Mumbai The Eshwar Kanna

CloudWatch > Metrics

Untitled graph 1h 3h 12h 1d 3d 1w Custom (5m) Pie Actions

Browse Query Graphed metrics Options Source Add math Add query

Mumbai All > EC2 > Per-Instance Metrics Search for any metric, dimension, resource id or account id < 1 >

CPUUtilization X

<input type="checkbox"/>	Instance name 12/12	Instanceid	Metric name
<input type="checkbox"/>	No name specified	i-0625fe8e037739f03	CPUUtilization
<input type="checkbox"/>	No name specified	i-0f540d9fa4bfc03dd	CPUUtilization
<input type="checkbox"/>	No name specified	i-073c638fabd987c82	CPUUtilization
<input type="checkbox"/>	No name specified	i-0ab6fc8d3bf7b760	CPUUtilization

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Instances | EC2 Management Co x CloudWatch Management Cons x +

https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#metricsV2:graph=~(view~'pie~stacke...

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CloudWatch > Metrics

Untitled graph 1h 3h 12h 1d 3d 1w Custom (5m) Pie Actions

Browse Query Graphed metrics (3) Options Source

Metrics (12) Info

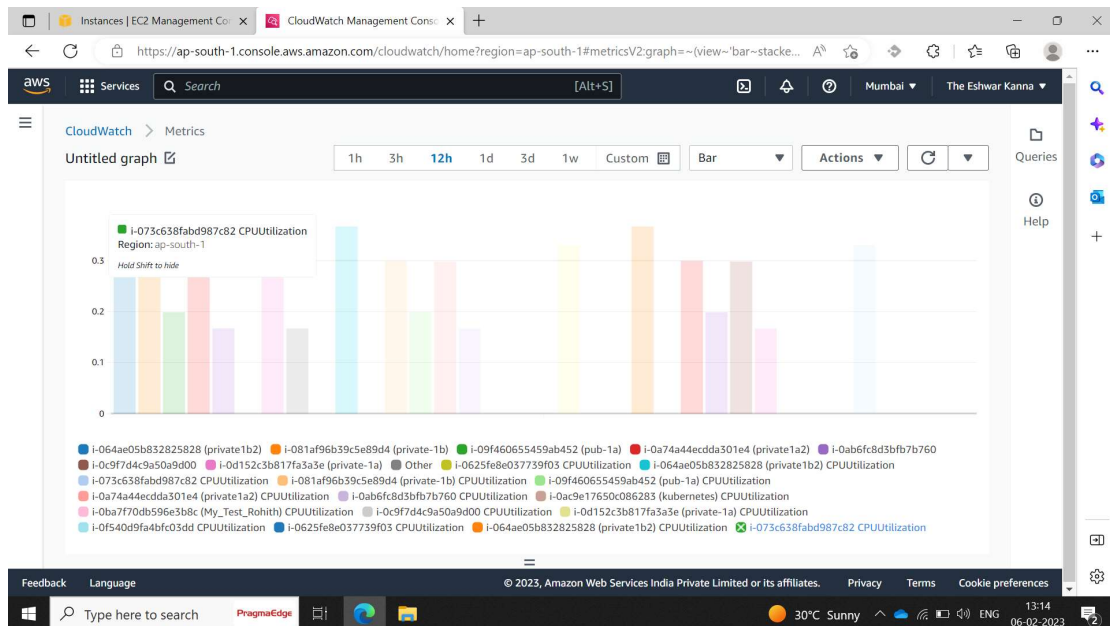
Mumbai All > EC2 > Per-Instance Metrics Search for any metric, dimension, resource id or account id

CPUUtilization X

Instance name 12/12	InstanceId	Metric name
No name specified	i-0625fe8e037739f03	CPUUtilization
No name specified	i-0f540d9fa4bfc03dd	CPUUtilization
No name specified	i-073c638fabd987c82	CPUUtilization

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CloudWatch Alarms (8)

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

Search In alarm Any type Any actions ... 1

Name	State	Last state update	Conditions
TargetTracking-table/remotelocktable-AlarmLow-7c9a8d12-659d-4023-8faa-259d895dbcd5	In alarm	2022-10-26 13:12:13	ConsumedWriteCapacityUnits < 30 for 15 datapoints within 15 minutes
TargetTracking-table/remotelocktable-AlarmLow-7d361bfb-685f-4bce-8c22-41b30214872d	In alarm	2022-10-26 13:11:46	ConsumedReadCapacityUnits < 30 for 15 datapoints within 15 minutes

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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

Specify metric and conditions

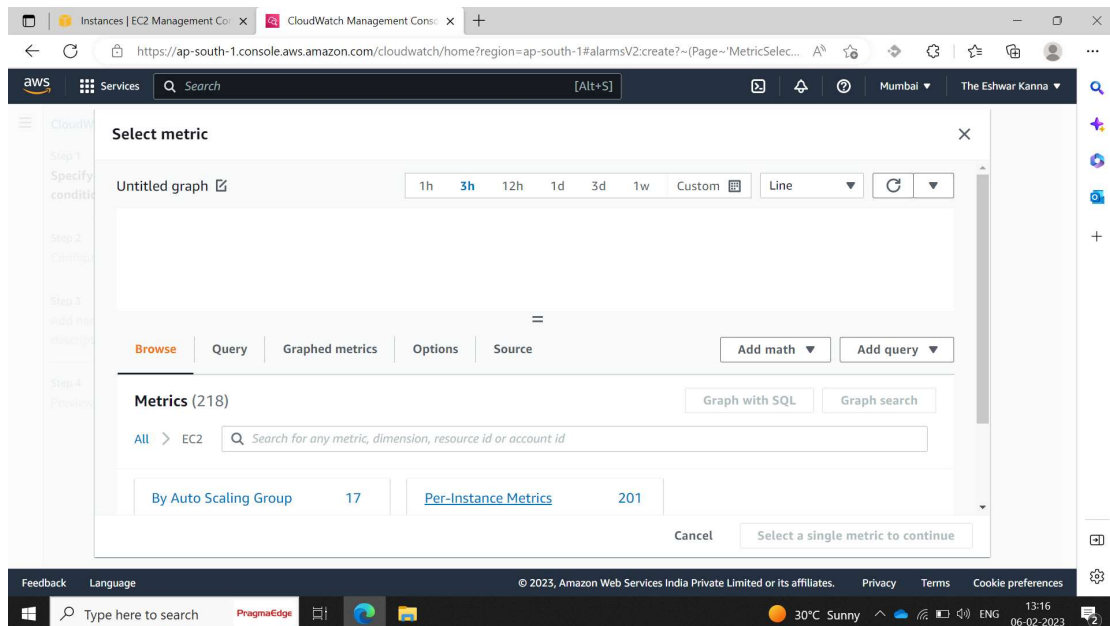
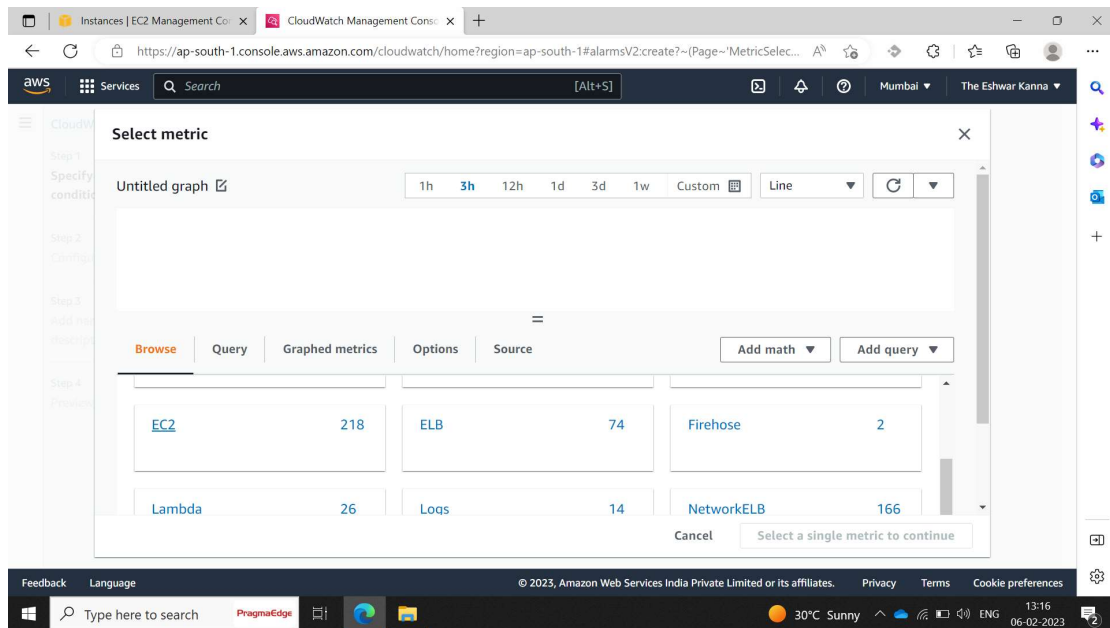
Metric

Graph
Preview of the metric or metric expression and the alarm threshold.

Select metric

Cancel Next

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https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#alarmsV2:create?~(Page~MetricSelec...

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Step 2
Configure actions

Step 3
Add name and description

Step 4
Preview and create

Metric

Graph
This alarm will trigger when the blue line goes above the red line for 1 datapoints within 5 minutes.

Percent
0.267
0.2
0.133
05:30 06:30 07:30
CPUUtilization

Namespace
AWS/EC2

Metric name
CPUUtilization

InstanceId
i-09f460655459ab452

Instance name
pub-1a

Statistic
Average

Period

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https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#alarmsV2:create?~(Page~MetricSelec...

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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.
0.2
Must be a number

► Additional configuration

Cancel Next

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https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#alarmsV2:create?~(Page~MetricSelect...

Step 2: Configure actions

Step 3: Add name and description

Step 4: Preview and create

Graph
This alarm will trigger when the blue line goes above the red line for 1 datapoints within 5 minutes.

Percent

0.267

0.2

0.133

05:30 06:30 07:30

CPUUtilization

Namespace
AWS/EC2

Metric name
CPUUtilization

InstanceId
i-09f460655459ab452

Instance name
pub-1a

Statistic
Average

Period
5 minutes

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https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#alarmsV2:create?~(Page~MetricSelect...

Whenever CPUUtilization is...

Define the alarm condition.

☒ Greater > threshold

☐ Greater/Equal >= threshold

☐ Lower/Equal <= threshold

☐ Lower < threshold

than...

Define the threshold value.

0.2

Must be a number

▼ Additional configuration

Datapoints to alarm
Define the number of datapoints within the evaluation period that must be breaching to cause the alarm to go to ALARM state.

2 out of 2

Missing data treatment
How to treat missing data when evaluating the alarm.

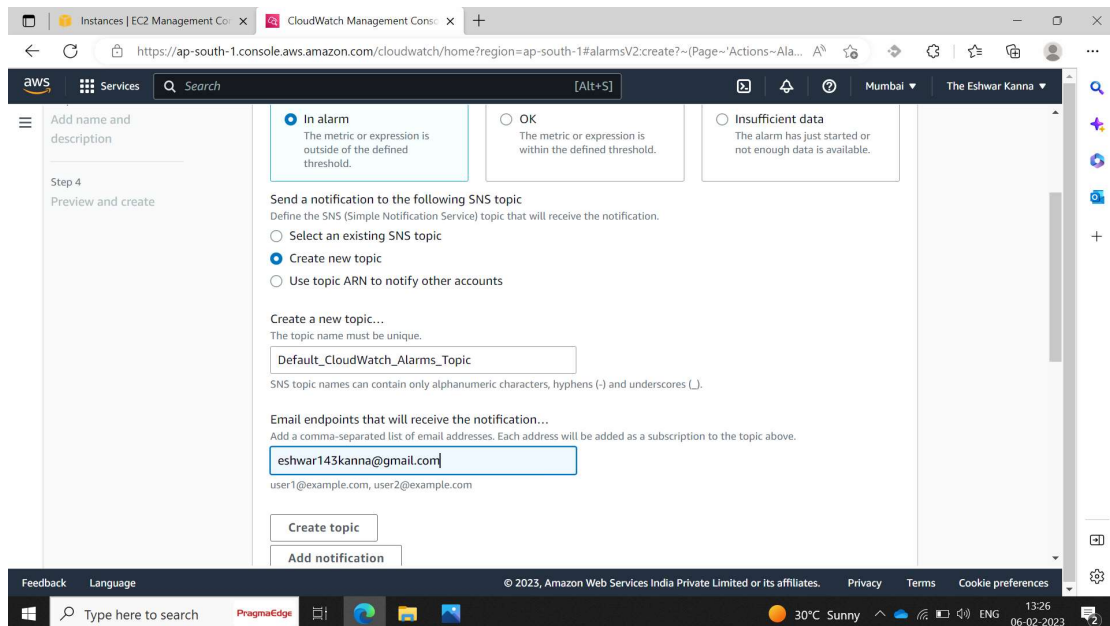
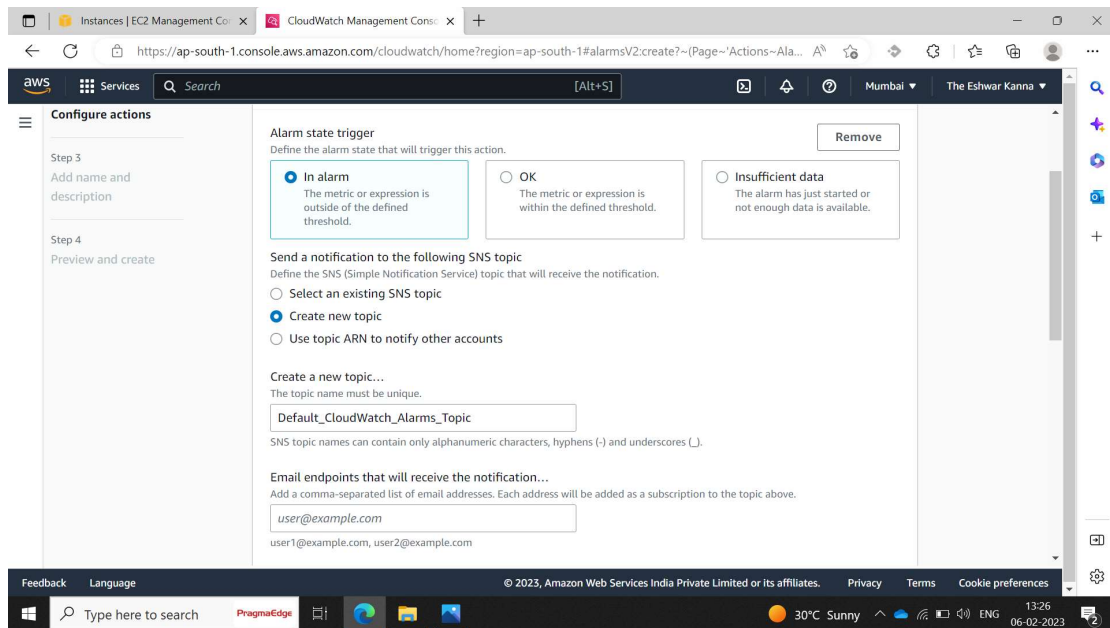
Treat missing data as missing

Cancel Next

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https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#alarmsV2:create?~(Page~Actions~Ala...

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Create a new topic...
The topic name must be unique.
Default_CloudWatch_Alarms_Topic
SNS topic names can contain only alphanumeric characters, hyphens (-) and underscores (_).

Email endpoints that will receive the notification...
Add a comma-separated list of email addresses. Each address will be added as a subscription to the topic above.
eshwar143kanna@gmail.com
user1@example.com, user2@example.com

Create topic
Add notification

Auto Scaling action
Add Auto Scaling action

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Instances | EC2 Management Co... CloudWatch Management Console

https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#alarmsV2:alarm/alarm1?

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CloudWatch CloudWatch > Alarms > alarm1

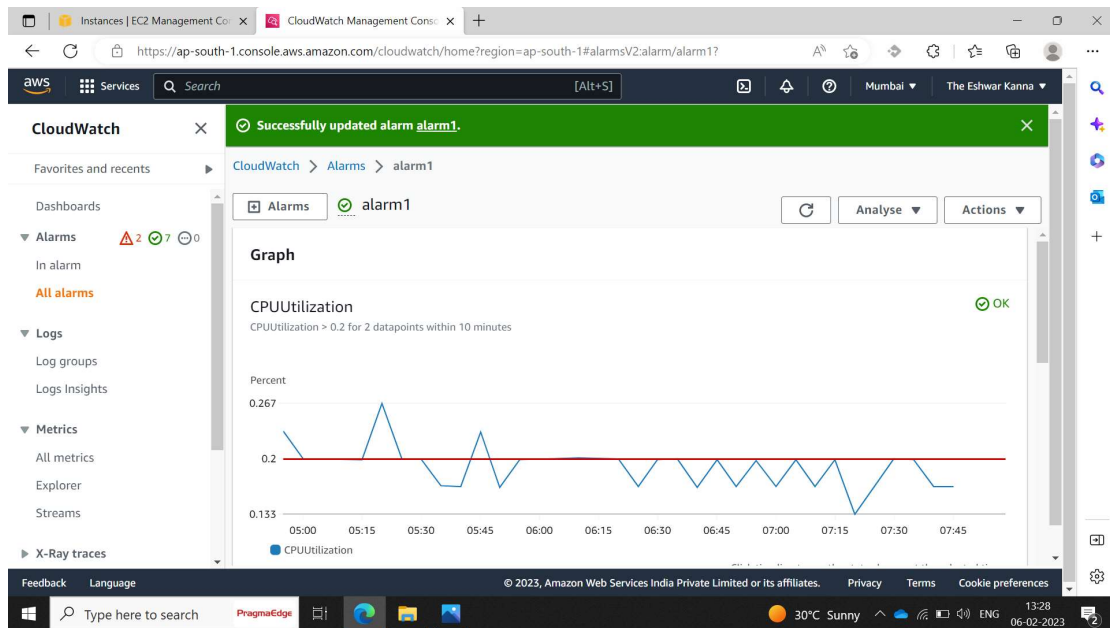
Favorites and recents Alarms alarm1 Analyse Actions

Graph
CPUUtilization
CPUUtilization > 0.2 for 2 datapoints within 10 minutes
Insufficient data

Percent
0.267
0.2
0.133
05:00 05:15 05:30 05:45 06:00 06:15 06:30 06:45 07:00 07:15 07:30 07:45
CPUUtilization
Click timeline to see the state change at the selected time.

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Connect to instance | EC2 Mana x EC2 Instance Connect x CloudWatch Management Console x

https://ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#alarmsV2?~(selectedIds=~('alarm1))

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CloudWatch x

Amazon SNS doesn't send messages to an endpoint until the subscription is confirmed

CloudWatch > Alarms

Alarms (1/9)

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

Search Any state Any type Any actions ... < 1 >

<input type="checkbox"/>	Name	State	Last state update	Conditions
<input checked="" type="checkbox"/>	alarm1	OK	2023-02-06 13:26:56	CPUUtilization > 0.2 for 2 datapoints within 10 minutes
<input type="checkbox"/>	TargetTracking-table/remotelocktable-ProvisionedCapacityHigh-45616d9a-0fd2-43db-982b-64eb89ca91d5	OK	2022-10-26 13:16:21	ProvisionedWriteCapacityUnits > 1 for 3 datapoints within 15 minutes
<input type="checkbox"/>	TargetTracking-table/remotelocktable-ProvisionedCapacityHigh-882ed7aa-7585-422e-	OK	2022-10-26 13:16:19	ProvisionedReadCapacityUnits > 1 for 3 datapoints within 15 minutes

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