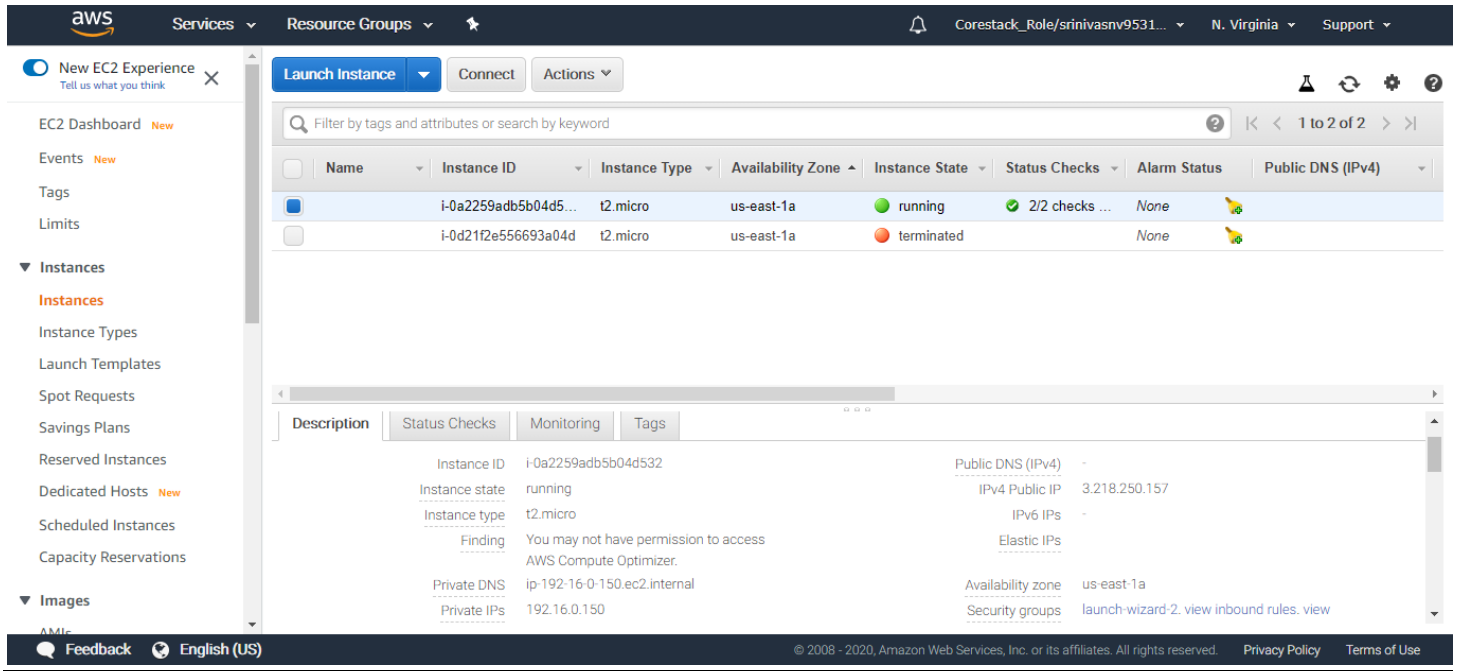


AWS Project

Scenario for Project 2:

1.creating a EC2 Server instances windows :



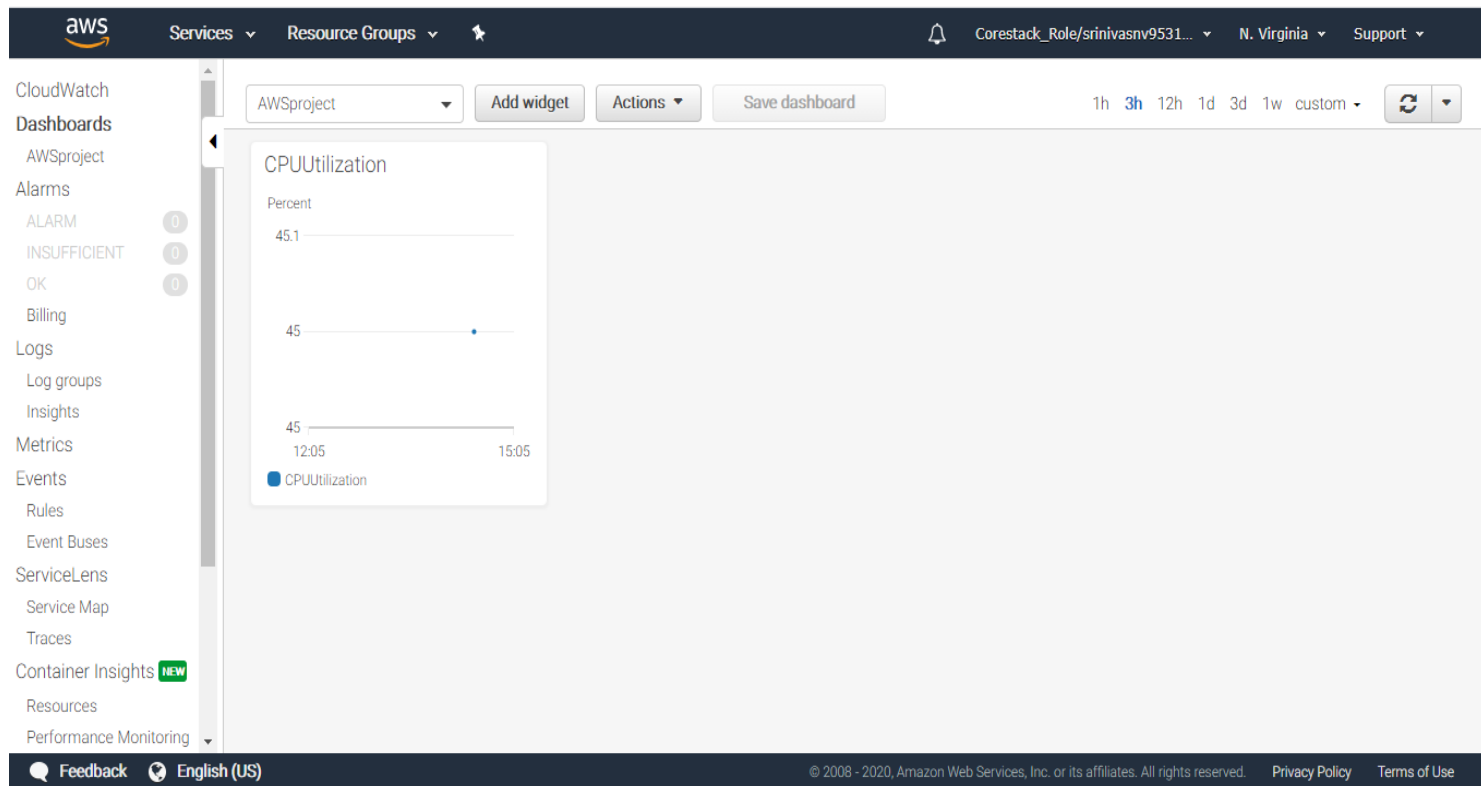
The screenshot displays the AWS Management Console interface for EC2 instances. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information. The left sidebar shows the 'Instances' section selected. The main content area features a table of EC2 instances and a detailed view for a specific instance.

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
<input checked="" type="checkbox"/>	i-0a2259adb5b04d532	t2.micro	us-east-1a	running	2/2 checks ...	None	view
<input type="checkbox"/>	i-0d21f2e556693a04d	t2.micro	us-east-1a	terminated		None	view

Description	Status Checks	Monitoring	Tags
Instance ID	i-0a2259adb5b04d532	Public DNS (IPv4)	-
Instance state	running	IPv4 Public IP	3.218.250.157
Instance type	t2.micro	IPv6 IPs	-
Finding	You may not have permission to access AWS Compute Optimizer.	Elastic IPs	-
Private DNS	ip-192-16-0-150.ec2.internal	Availability zone	us-east-1a
Private IPs	192.16.0.150	Security groups	launch-wizard-2. view inbound rules . view

2. Monitoring is important to keep an eye on the performance of an EC2 instance. It helps gather data from all parts, and is useful for debugging failure. Using CloudWatch service in AWS Management Console.

1. CPU Utilization:



2.Create an Alarm:

The screenshot shows the 'Specify metric and conditions' page in the AWS CloudWatch console. The page is divided into a left sidebar with steps (Step 1: Specify metric and conditions, Step 2: Configure actions, Step 3: Add name and description, Step 4: Preview and create) and a main content area. The main content area has a 'Metric' section with a 'Graph' and a 'Form' section. The 'Graph' shows a line graph with a blue line representing CPU utilization. The y-axis is labeled 'Percent' and ranges from 45 to 45.1. The x-axis shows a time range from 12:30 to 14:30. The current value is 45.1. The 'Form' section includes fields for 'Namespace' (AWS/EC2), 'Metric name' (CPUUtilization), 'InstanceId' (i-0d21f2e556693a04d), 'Instance name' (No name specified), and 'Statistic'.

Metric	Value
CPUUtilization	45.1

Field	Value
Namespace	AWS/EC2
Metric name	CPUUtilization
InstanceId	i-0d21f2e556693a04d
Instance name	No name specified
Statistic	

aws

Services

Resource Groups

Corestack_Role/srinivasnv9531...N. VirginiaSupport

Step 2

Configure actions

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.

Remove

Select an 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

Send a notification to...

Only email lists for this account are available.

Email (endpoints)

nvsrinivas76@gmail.com - View in SNS Console

Add notification

Feedback

English (US)

© 2008 - 2020, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

aws

Services

Resource Groups

Corestack_Role/srinivasnv9531...N. VirginiaSupport

CloudWatch

Dashboards

AWSProject

Alarms

ALARM

INSUFFICIENT

OK

Billing

Logs

Log groups

Insights

Metrics

Events

Rules

Event Buses

ServiceLens

Service Map

Traces

Container Insights

Resources

Performance Monitoring

Successfully created alarm EC2.

CloudWatch > Alarms

Switch to your original interface

Alarms (1)

☐ Hide Auto Scaling alarms

Clear selection

Create composite alarm

Actions

Create alarm

Any state

Any type

< 1 >

Name	State	Last state update	Conditions	Act
EC2	Insufficient data	2020-09-11 20:50:26	CPUUtilization > 80 for 1 datapoints within 5 minutes	1 a

Feedback

English (US)

© 2008 - 2020, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

3. Create an IAM User:

The screenshot shows the AWS IAM console 'Users' page. The left sidebar contains navigation links for 'Dashboard', 'Access management' (Groups, Users, Roles, Policies, Identity providers, Account settings), 'Access reports' (Access analyzer, Archive rules, Analyzers, Settings, Credential report), and 'Feedback'. The main content area has a search bar 'Find users by username or access key' and a table of users. The table has columns: 'User name', 'Groups', 'Access key age', 'Password age', 'Last activity', and 'MFA'. There are three users listed: 'aws-iam-user1' (in aws-group-1), 'aws-iam-user2' (in aws-group-1), and 'corestack-df16f' (None). Buttons for 'Add user' and 'Delete user' are at the top. The footer shows '© 2008 - 2020, Amazon Web Services, Inc. or its affiliates. All rights reserved.' and links for 'Privacy Policy' and 'Terms of Use'.

<input type="checkbox"/>	User name	Groups	Access key age	Password age	Last activity	MFA
<input type="checkbox"/>	aws-iam-user1	aws-group-1	None	Today	None	Not enabled
<input type="checkbox"/>	aws-iam-user2	aws-group-1	None	Today	None	Not enabled
<input type="checkbox"/>	corestack-df16f	None	None	Yesterday		Not enabled

4. Create the IAM Administrator Group, and add the user to the Administrator Group:

The screenshot shows the AWS IAM console 'Administrator-group' page. The left sidebar is the same as the previous screenshot. The main content area shows the 'Summary' tab for the 'Administrator-group'. It displays the 'Group ARN' as 'arn:aws:iam::303496282544:group/Administrator-group', 'Users (in this group)' as '2', 'Path' as '/', and 'Creation Time' as '2020-09-11 20:57 UTC+0530'. Below the summary, there are tabs for 'Users', 'Permissions', and 'Access Advisor'. The 'Users' tab is active, showing a table of users in the group. The table has columns 'User' and 'Actions'. There are two users listed: 'aws-iam-user1' and 'aws-iam-user2', both with a 'Remove User from Group' action. Buttons for 'Remove Users from Group' and 'Add Users to Group' are at the top right of the users table. The footer is the same as the previous screenshot.

User	Actions
aws-iam-user1	Remove User from Group
aws-iam-user2	Remove User from Group

5. Create a Role:

aws

Services

Resource Groups

Corestack_Role/srinivasnv9531...

Global

Support

Identity and Access Management (IAM)

Dashboard

Access management

- Groups
- Users
- Roles
- Policies
- Identity providers
- Account settings

Access reports

- Access analyzer
 - Archive rules
 - Analyzers
 - Settings
- Credential report

Create roleDelete role

Search

Showing 7 results

	Role name	Trusted entities	Last activity
<input type="checkbox"/>	Corestack_Role	Account: 303496282544	Today
<input type="checkbox"/>	CS_Admin	Account: 905236315842	Today
<input type="checkbox"/>	AWSServiceRoleForCloudTrail	AWS service: cloudtrail (Service-Linked role)	Yesterday
<input type="checkbox"/>	AWSServiceRoleForOrganizations	AWS service: organizations (Service-Linked role)	Yesterday
<input checked="" type="checkbox"/>	Aws-project-Role	AWS service: ec2	None
<input type="checkbox"/>	AWSServiceRoleForSupport	AWS service: support (Service-Linked role)	None
<input type="checkbox"/>	AWSServiceRoleForTrustedAdvisor	AWS service: trustedadvisor (Service-Linked rol...	None

Feedback

English (US)

© 2008 - 2020, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use