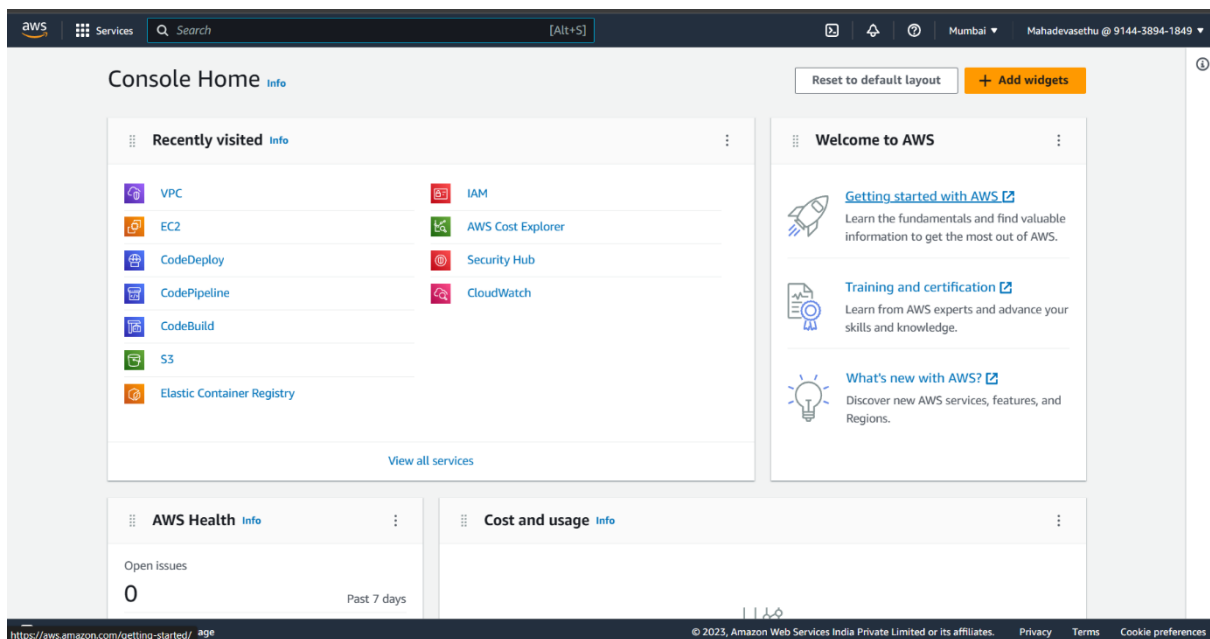


CLOUD COMPUTING

AWS

SETHU MADAVAN D
727721EUCS139
II CSE C
Screenshots

Day 1 [Account Creation]



Day 2 [AWS_Elastic-Cloud-Computing (EC2)]

EC2 > AMIs > ami-08146dfa20a8fc2aa

Image summary for ami-08146dfa20a8fc2aa

[EC2 Image Builder](#) [Actions](#) [Launch instance from AMI](#)

AMI ID ami-08146dfa20a8fc2aa	Image type machine	Platform details Linux/UNIX	Root device type EBS
AMI name Linux_Image	Owner account ID 914438941849	Architecture x86_64	Usage operation RunInstances
Root device name /dev/xvda	Status Pending	Source 914438941849/Linux_Image	Virtualization type hvm
Boot mode uefi-preferred	State reason -	Creation date Wed Apr 12 2023 15:48:48 GMT+0530 (India Standard Time)	Kernel ID -
Block devices /dev/xvda=snap-02d0138e1b5a11af4:8:true:gp3	Description -	Product codes -	RAM disk ID -
Deprecation time -	Last launched time -		

EC2 Instance Connect

https://ap-southeast-2.console.aws.am...

A newer release of "Amazon Linux" is available.
Version 2023.0.20230329:
Run "/usr/bin/dnf check-release-update" for full release and version update info

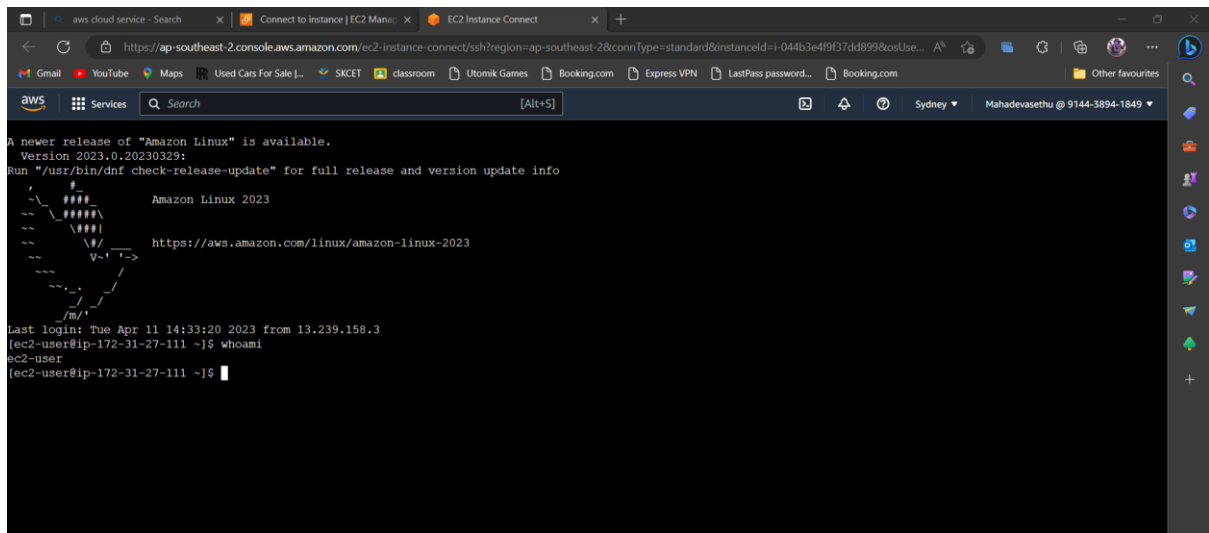
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023

Last login: Tue Apr 11 14:34:12 2023 from 13.239.158.3
(ec2-user@ip-172-31-27-111 ~)\$ sudo service httpd start
Redirecting to /bin/systemctl start httpd.service
(ec2-user@ip-172-31-27-111 ~)\$

i-044b3e4f9f37dd899 (AlphaLinux)
PublicIPs: 3.26.148.121 PrivateIPs: 172.31.27.111

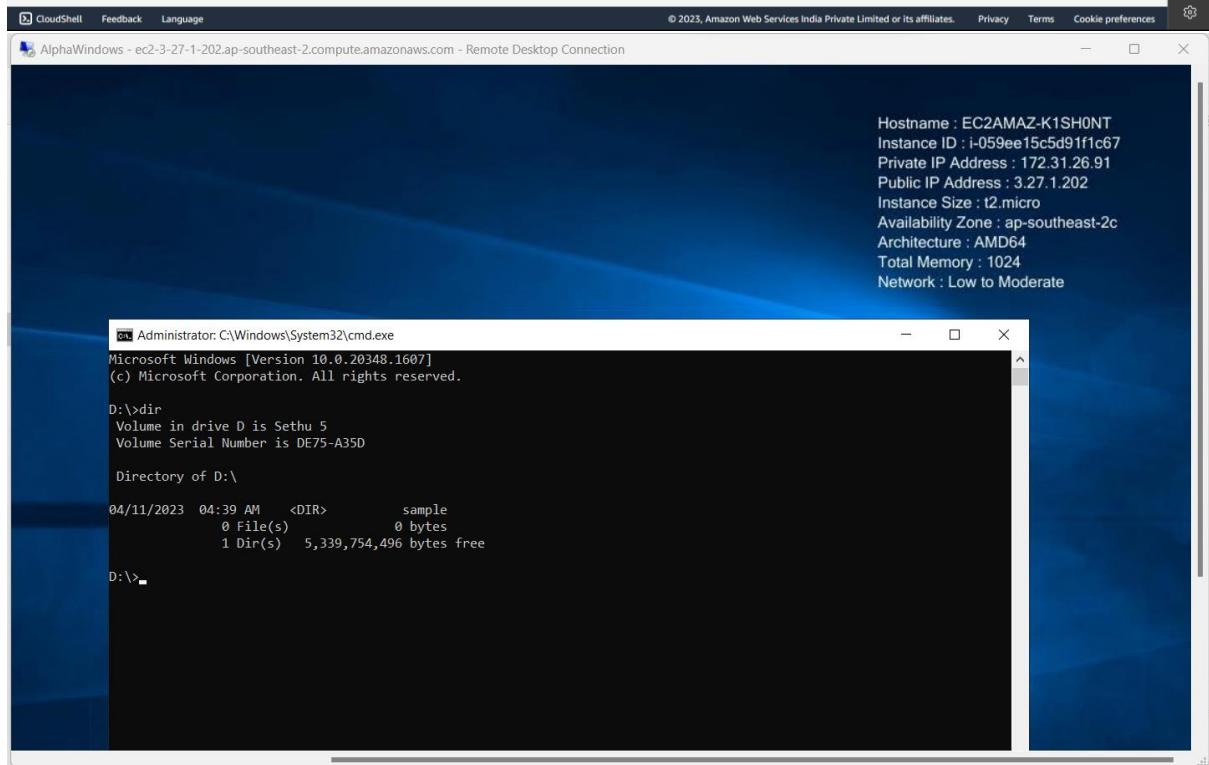
3.26.148.121

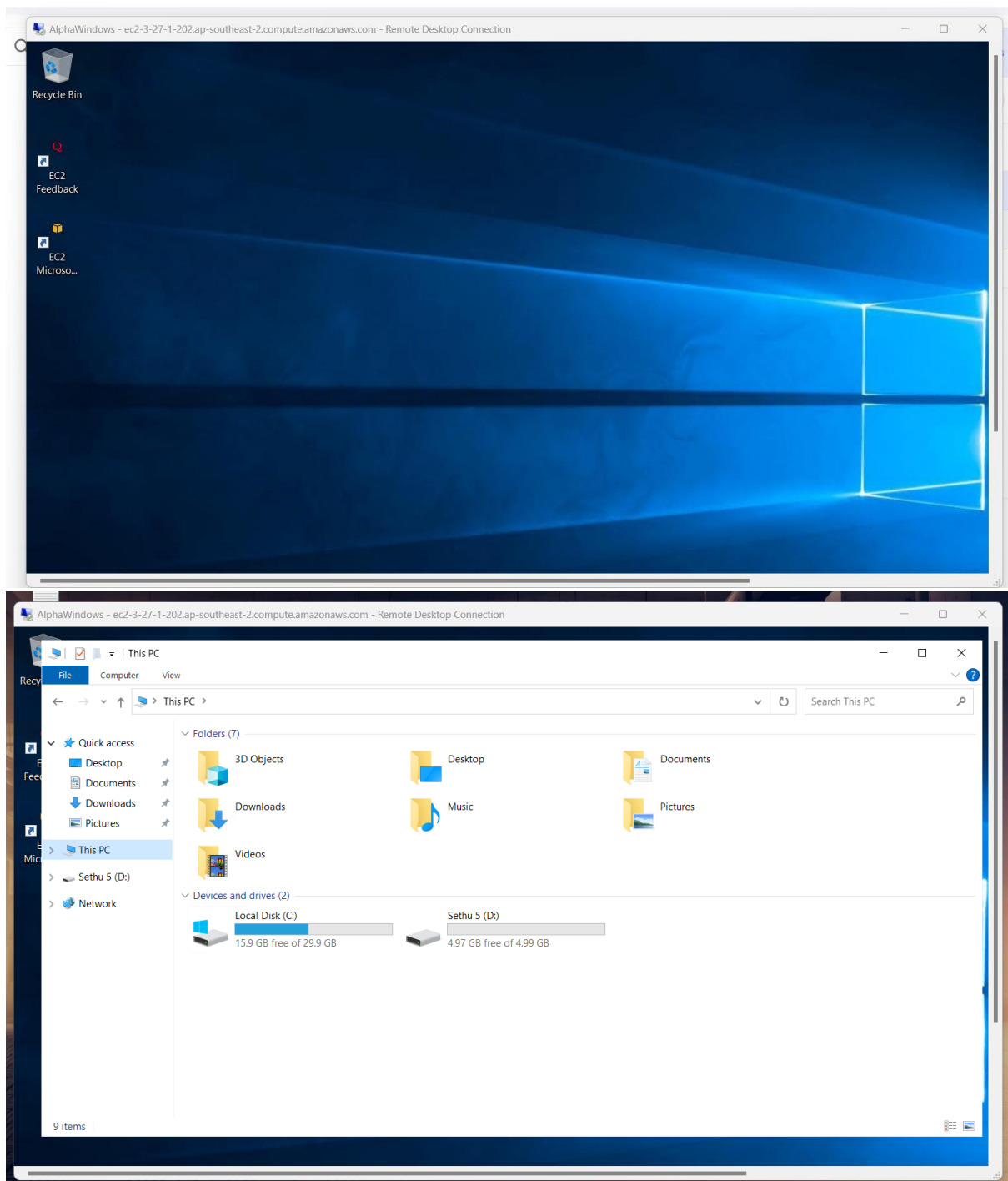
It works!



i-044b3e4f9f37dd899 (AlphaLinux)

PublicIPs: 13.236.1.38 PrivateIPs: 172.31.27.111





Day 3 [Amazon S3]

aws Services Search [Alt+S] Global Mahadevasethu @ 9144-3894-1849

Amazon S3 > Buckets > alphadolphin > Lifecycle configuration

Lifecycle configuration [Info](#)

To manage your objects so that they are stored cost effectively throughout their lifecycle, configure their lifecycle. A lifecycle configuration is a set of rules that define actions that Amazon S3 applies to a group of objects. Lifecycle rules run once per day.

Lifecycle rules (1)

Use lifecycle rules to define actions you want Amazon S3 to take during an object's lifetime such as transitioning objects to another storage class, archiving them, or deleting them after a specified period of time. [Learn more](#)

[Refresh](#) [View details](#) [Edit](#) [Delete](#) [Actions](#) [Create lifecycle rule](#)

Find lifecycle rules by name

Lifecycle rule name	Status	Scope	Current version actions	Noncurrent versions actions	Expired object delete markers	Incomplete multipart uploads
alphaRule	Enabled	Filtered	Transition to Standard-IA, then Intelligent-Tiering	-	-	-

aws Services Search [Alt+S] Global Mahadevasethu @ 9144-3894-1849

Amazon S3 > Buckets > alphadolphin > Html_page1.html

Html_page1.html [Info](#)

[Copy S3 URI](#) [Download](#) [Open](#) [Object actions](#)

You don't have permission to get object details

After you or your AWS administrator have updated your permissions to allow the s3:ListBucket action, refresh the page. [Learn more about Identity and access management in Amazon S3](#)

[API response](#)

Amazon S3

Buckets

- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

- Dashboards
- AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

aws Services Search [Alt+S] Global Mahadevasethu @ 9144-3894-1849

Amazon S3 > Buckets > alphadolphin > Static website hosting

Static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#)

[Edit](#)

Requester pays
Disabled

Static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#)

[Edit](#)

Static website hosting
Enabled

Hosting type
Bucket hosting

Bucket website endpoint
When you configure your bucket as a static website, the website is available at the AWS Region-specific website endpoint of the bucket. [Learn more](#)

<http://alphadolphin.s3-website-ap-southeast-2.amazonaws.com>

Amazon S3

Buckets

- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens


- Dashboards
- AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

that constitute the "Internet of things". Cybersecurity is also one of the significant challenges in the contemporary world, due to its complexity, both in terms of political usage and technology.

Information Security Culture



Employee behavior can have a big impact on information security in organizations. Cultural concepts can help different segments of the organization work effectively or work against effectiveness towards information security

Amazon S3 > Buckets > webhold > Myfolder/

Myfolder/

Copy S3 URI

Objects Properties

Objects (2)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

Find objects by prefix Show versions

	Name	Type	Version ID	Last modified	Size	Storage class
	Detection of lora.txt	txt	rakcTNYTuNp8ZkFCZ3h4yYcghTpKZuJt	April 17, 2023, 14:19:12 (UTC+05:30)	6.0 B	Standard
	Detection of lora.txt	txt	null	April 12, 2023, 16:07:50 (UTC+05:30)	1009.0 B	Standard

Amazon S3 > Buckets > webhold > Myfolder/ > Detection of lora.txt

Detection of lora.txt

Copy S3 URI Download Open Object actions

Properties Permissions Versions

Access control list (ACL) [Edit](#)

Grant basic read/write permissions to AWS accounts. [Learn more](#)

Grantee	Object	Object ACL
Object owner (your AWS account) Canonical ID: beee4038fb25fbee57497c803d8b96021841ef07f9e19f4caf8b73db534f6285	Read	Read, Write
Everyone (public access) Group: http://acs.amazonaws.com/groups/global/AllUsers	-	Read
Authenticated users group (anyone with an AWS account) Group: http://acs.amazonaws.com/groups/global/AuthenticatedUsers	-	-

Properties Permissions Versions

Object overview

Owner 727721eucs139	S3 URI s3://webhold/Myfolder/Detection of lora.txt
AWS Region Asia Pacific (Sydney) ap-southeast-2	Amazon Resource Name (ARN) arn:aws:s3:::webhold/Myfolder/Detection of lora.txt
Last modified April 12, 2023, 16:07:50 (UTC+05:30)	Entity tag (Etag) 0f407fb868c4db2113ab6287a15a1988
Size 1009.0 B	Object URL https://webhold.s3.ap-southeast-2.amazonaws.com/Myfolder/Detection+of+lora.txt
Type txt	
Key Myfolder/Detection of lora.txt	

Day 4 [Identity and Access Management(IAM)]

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

Access reports

Access analyzer

Archive rules

Analizers

Settings

Credential report

Organization activity

Service control policies (SCPs)

IAM > Users > S3Admin1

S3Admin1

Delete

Summary

ARN

arn:aws:iam:914438941849:user/S3Admin1

Console access

Enabled with MFA

Access key 1

Not enabled

Created

April 17, 2023, 16:15 (UTC+05:30)

Last console sign-in

Never

Access key 2

Not enabled

Permissions

Groups (1)

Tags

Security credentials

Access Advisor

Console sign-in

Manage console access

Console sign-in link

https://914438941849.signin.aws.amazon.com/console

Console password

Updated 2 days ago (2023-04-17 16:15 GMT+5:30)

Last console sign-in

Never

CloudShell

Feedback

Language

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New EC2 Experience

Tell us what you think

EC2 Dashboard

EC2 Global View

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Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Successfully attached S3Worker to instance i-0ac1a160cdffe4419

Instances (1/4) info

Find instance by attribute or tag (case-sensitive)

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
<input type="checkbox"/>	AlphaWindows	i-059ee15c5d91f1c67	Stopped	t2.micro	-	No alarms	ap-southeast-2c	-
<input type="checkbox"/>	Linux	i-0a29715675d040e59	Stopped	t2.micro	-	No alarms	ap-southeast-2c	-
<input checked="" type="checkbox"/>	AwsLinux2	i-0ac1a160cdffe4419	Stopped	t2.micro	-	No alarms	ap-southeast-2c	-
<input type="checkbox"/>	DockerLinux	i-0949d8f7f7b4260cc	Stopped	t2.micro	-	No alarms	ap-southeast-2a	-

Instance: i-0ac1a160cdffe4419 (AwsLinux2)

Details

Security

Networking

Storage

Status checks

Monitoring

Tags

Security details

IAM Role

S3Worker

Owner ID

914438941849

Launch time

Tue Apr 18 2023 15:19:47 GMT+0530 (India Standard Time)

Security groups

sg-09565d026f35de72c (launch-wizard-7)

Inbound rules

Filter rules

Name	Security group rule ID	Port range	Protocol	Source	Security group
------	------------------------	------------	----------	--------	----------------

CloudShell

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The screenshot displays the AWS IAM console interface for a user named "S3Admin1". The top navigation bar includes the AWS logo, service menu, search bar, and user profile. The left-hand sidebar contains the main navigation menu with categories like Identity and Access Management (IAM), Access management, and Related consoles. The main content area shows the details for the "S3Admin1" user, including a summary section with ARN, console access status (Enabled without MFA), and creation date. Below the summary are tabs for Permissions, Groups, Tags, Security credentials, and Access Advisor. The "Permissions policies" tab is active, showing a list of two policies: "AmazonS3FullAccess" and "DenyDeleteObject", both managed by AWS or the customer and attached via the "Group S3-Admins". At the bottom, there's a section for "Permissions boundary" which is currently set to "AdministratorAccess-AWSElasticBeanstalk".

Identity and Access Management (IAM)

Search IAM

Dashboard

- Access management
 - User groups
 - Users**
 - Roles
 - Policies
 - Identity providers
 - Account settings
- Access reports
 - Access analyzer
 - Archive rules
 - Analyzers
 - Settings
 - Credential report
 - Organization activity
 - Service control policies (SCPs)

Related consoles
 IAM Identity Center **New**
 AWS Organizations

S3Admin1 [Alt+S]

Delete

Summary

ARN amawsiam::914438941849:user/S3Admin1	Console access Enabled without MFA	Access key 1 Not enabled
Created April 17, 2023, 16:15 (UTC+05:30)	Last console sign-in Never	Access key 2 Not enabled

Permissions | Groups (?) | Tags | Security credentials | Access Advisor

Permissions policies (2)

Permissions are defined by policies attached to the user directly or through groups.

Find policies

<input type="checkbox"/>	Policy name	Type	Attached via
<input type="checkbox"/>	AmazonS3FullAccess	AWS managed	Group S3-Admins
<input type="checkbox"/>	DenyDeleteObject	Customer managed	Group S3-Admins

Permissions boundary (set)

Set a permissions boundary to control the maximum permissions for this user. Use this advanced feature used to delegate permission management to others. [Learn more](#)

Change boundary Remove boundary

Permissions boundary
☒ AdministratorAccess-AWSElasticBeanstalk (AWS managed)

Identity and Access Management (IAM)

Search IAM

Dashboard

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

Access reports

- Access analyzer
- Archive rules
- Analizers
- Settings
- Credential report
- Organization activity
- Service control policies (SCPs)

IAM > Users > S3Admin1

S3Admin1

Summary

ARN
arn:aws:iam::914438941849:user/S3Admin1

Console access
Enabled without MFA

Access key 1
Not enabled

Created
April 17, 2023, 16:15 (UTC+05:30)

Last console sign-in
Never

Access key 2
Not enabled

PermissionsGroups (1)TagsSecurity credentialsAccess Advisor

User groups membership (1)
A user group is a collection of IAM users. Use groups to specify permissions for a collection of users. A user can be a member of up to 10 groups at a time.

RemoveAdd user to groups

Group name

S3-Admins

Attached policies

AmazonS3FullAccess

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

- User groups**
- Users
- Roles
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- Identity providers
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Access reports

- Access analyzer
- Archive rules
- Analizers
- Settings
- Credential report
- Organization activity
- Service control policies (SCPs)

IAM > User groups > S3-Admins

S3-Admins

Summary

User group name
S3-Admins

Creation time
April 17, 2023, 16:12 (UTC+05:30)

ARN
arn:aws:iam::914438941849:group/S3-Admins

UsersPermissionsAccess Advisor

Permissions policies (1)
You can attach up to 10 managed policies.

Filter policies by property or policy name and press enter.

Policy name

AmazonS3FullAccess

Type

AWS managed

Description

Provides full access to all buckets via the AWS Management Console.

Day 5 [AWS_AutoScaling]

aws

Services

Search

[Alt+S]

Sydney

Mahadevasethu @ 9144-3894-1849

New EC2 Experience

Tell us what you think

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EC2 Global View

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Limits

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Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

EC2 > Auto Scaling groups

Auto Scaling groups (1/1) Info

Refresh

Edit

Delete

Create an Auto Scaling group

Search your Auto Scaling groups

< 1 >

☒

Name

☒

Launch template/configuration

☐

Instances

☐

Status

☐

Desired capacity

☒

SampleAutoScaling

sampleTemplate

Version Default

0

Updating capacity...

1

Auto Scaling group: SampleAutoScaling

Details

Activity

Automatic scaling

Instance management

Monitoring

Instance refresh

Group details

Edit

Auto Scaling group name

SampleAutoScaling

Desired capacity

1

Status

Updating capacity

Amazon Resource Name (ARN)

arn:aws:autoscaling:ap-southeast-2:914438941849:autoScalingGroup:ec21b37-8d17-4e18-90af-1bdea26bed3b:autoScalingGroupName/SampleAutoScaling

Date created

Thu Apr 20 2023 19:02:40 GMT+0530 (India Standard Time)

Minimum capacity

1

Maximum capacity

1

CloudShell

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New EC2 Experience

Tell us what you think

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Capacity Reservations

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AMIs

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Elastic Block Store

Volumes

EC2 > Launch templates

Launch templates (1/1) Info

Refresh

Actions

Create launch template

Filter by tags or properties or search by keyword

< 1 >

Launch template ID

Launch template name

Default version

Latest version

☒

lt-053718b104140e95b

sampleTemplate

1

1

sampleTemplate (lt-053718b104140e95b)

Version

Description

Date created

Created by

1 (Default)

-

2023-04-20T13:28:45.000Z

arn:aws:iam::914438941849:user/Mahadevasethu

Instance details

Storage

Resource tags

Network interfaces

Advanced details

AMI ID

ami-0da17c1a801addedb

Instance type

t2.micro

Availability Zone

-

Key pair name

sydney

Security groups

-

Security group IDs

sg-0507c7911cda253e3

Day 6 [Virtual Private Cloud (VPC)]

Services

Search

[Alt+S]

Mumbai

Mahadevasethu @ 9144-3894-1849

VPC dashboard

EC2 Global View

Filter by VPC:

Select a VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

Endpoint services

NAT gateways

Peering connections

Security

Network ACLs

Security groups

You have successfully updated inbound rules for acl-0ae12d9165cd75230

Details

Info

Network ACL ID

acl-0ae12d9165cd75230

Associated with

4 Subnets

Default

Yes

VPC ID

vpc-0d7b8339b00e1ad1d / ZoneA-vpc

Owner

914438941849

Inbound rules

Outbound rules

Subnet associations

Tags

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Inbound rules (4)

Edit inbound rules

Filter inbound rules

Rule number	Type	Protocol	Port range	Source	Allow/Deny
98	SSH (22)	TCP (6)	22	0.0.0.0/0	Deny
99	RDP (3389)	TCP (6)	3389	0.0.0.0/0	Deny
100	All traffic	All	All	0.0.0.0/0	Allow
*	All traffic	All	All	0.0.0.0/0	Deny

CloudShell

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Mumbai

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VPC dashboard

EC2 Global View

Filter by VPC:

Select a VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

DHCP option sets

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Managed prefix lists

Endpoints

Endpoint services

NAT gateways

Peering connections

Security

Network ACLs

Security groups

Peering connections (1/4)

Info

Actions

Create peering connection

Filter peering connections

	Name	Peering connection ID	Status	Requester VPC	Accepter VPC	
<input type="radio"/>	C-A	pcx-0c9406b9f0c069fc2	Active	vpc-0e7d7a07a8ba30cc0 / Zo...	vpc-0d7b8339b00e1ad1d / Zo...	1
<input type="radio"/>	B-C	pcx-033abdf177729fe51	Active	vpc-0af450da5e6b1cd00 / Zo...	vpc-0e7d7a07a8ba30cc0 / Zo...	1
<input type="radio"/>	To Sydney	pcx-080a19ee9aa2789f3	Active	vpc-0d7b8339b00e1ad1d / Zo...	vpc-04a1760b9206d29f0	1
<input checked="" type="radio"/>	A-B	pcx-060294d7a900c77a2	Active	vpc-0d7b8339b00e1ad1d / Zo...	vpc-0af450da5e6b1cd00 / Zo...	1

Details

Requester owner ID

914438941849

Peering connection ID

pcx-060294d7a900c77a2

Status

Active

Expiration time

-

Accepter owner ID

914438941849

Requester VPC

vpc-0d7b8339b00e1ad1d / ZoneA-vpc

Requester CIDRs

172.0.0.0/16

Requester Region

Mumbai (ap-south-1)

VPC Peering connection ARN

arn:aws:ec2:ap-south-1:914438941849:vpc-peering-connection/pcx-060294d7a900c77a2

Accepter VPC

vpc-0af450da5e6b1cd00 / ZoneB-vpc

Accepter CIDRs

192.0.0.0/16

Accepter Region

Mumbai (ap-south-1)

CloudShell

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Mumbai

Mahadevasethu @ 9144-3894-1849

VPC dashboard

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Filter by VPC:

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Security

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Security groups

Peering connections (1/1)

Info

Filter peering connections

1

Actions

Create peering connection

Name	Peering connection ID	Status	Requester VPC	Accepter VPC	Req
To Sydney	pcx-080a19ee9aa2789f3	Active	vpc-0d7b8339b00e1ad1d / Se...	vpc-04a1760b9206d29f0	172.

pcx-080a19ee9aa2789f3 / To Sydney

DetailsDNSRoute tablesTags

Details

Requester owner ID

914438941849

Peering connection ID

pcx-080a19ee9aa2789f3

Status

Active

Expiration time

-

Accepter owner ID

914438941849

Requester VPC

vpc-0d7b8339b00e1ad1d / SethuDemo-vpc

Requester CIDRs

172.0.0.0/16

Requester Region

Mumbai (ap-south-1)

VPC Peering connection ARN

arn:aws:ec2:ap-south-1:914438941849:vpc-peering-connection/pcx-080a19ee9aa2789f3

Accepter VPC

vpc-04a1760b9206d29f0

Accepter CIDRs

10.0.0.0/16

Accepter Region

Sydney (ap-southeast-2)

CloudShell

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Mahadevasethu @ 9144-3894-1849

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Subnets (3)

Info

Filter subnets

search: vpc-04a1760b9206d29f0

Clear filters

1

Actions

Create subnet

Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
public-subnet	subnet-0aa08b1ed0147b932	Available	vpc-04a1760b9206d29f0 syd...	10.0.1.0/24	-
Private-subnet	subnet-03cbb24d5f72baae9	Available	vpc-04a1760b9206d29f0 syd...	10.0.3.0/24	-
Private-subnet	subnet-05954bdd2958cf799	Available	vpc-04a1760b9206d29f0 syd...	10.0.2.0/24	-

Select a subnet

vpc-04a1760b9206d29f0

sydVPC

Owner: 914438941849

CloudShell

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