

S3-Public-Private-Access

07 April 2024 18:14

The screenshot shows the AWS Console Home dashboard. On the left, a sidebar lists recently visited services: IAM, S3, EC2, Billing and Cost Management, AWS Billing Conductor, and VPC. The main area features several cards: 'Welcome to AWS' (Getting started with AWS), 'AWS Health' (Open issues: 0, Past 7 days), and 'Cost and usage' (Current month costs: \$0.30, Forecasted month end costs: \$0.32). A central search bar at the top right allows users to find applications.

This screenshot of the EC2 Dashboard shows the following details:

- Resources:** You are using the following Amazon EC2 resources in the Asia Pacific (Mumbai) Region:

Instances (running)	0	Auto Scaling Groups	0	Dedicated Hosts	0
Elastic IPs	0	Instances	2	Key pairs	0
Load balancers	0	Placement groups	0	Security groups	1
Snapshots	0	Volumes	0		
- Launch instance:** To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.
 - Launch instance**
 - Migrate a server**
- Service health:** AWS Health Dashboard, Region: Asia Pacific (Mumbai), Status: This service is operating normally.
- Zones:** Zone name: ap-south-1a, ap-south-1b, ap-south-1c; Zone ID: aps1-az1, aps1-az3, aps1-az2.
- Account attributes:** Default VPC: vpc-035c4486d55d848b.

This screenshot shows the EC2 Instances page. The sidebar includes options like Instances, Images, Elastic Block Store, and Network & Security. The main content area displays the following information:

- Instances info:** Find instance by attribute or tag (case-sensitive), Instance state: running, Clear filters.
- Table headers:** Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, Public IPv4 DNS.
- Message:** No matching instances found.
- Action button:** Launch instance.

Launch an instance

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags

Name Add additional tags

Application and OS Images (Amazon Machine Image)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below.

Quick Start

Amazon Linux macOS Ubuntu Windows Red Hat SUSE Linux

Browse more AMIs Including AMIs from AWS Marketplace and the Community

Summary

Number of instances

Software image (AMI)
Amazon Linux 2023 AMI 2023.4.2...read more
ami-09298840x92b2d12c

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Launch instance

Review commands

Application and OS Images (Amazon Machine Image)

Amazon Linux 2023 AMI
Free tier eligible

Amazon Linux 2 AM (HVM) - Kernel 5.10, SSD Volume Type
Free tier eligible

Amazon Linux 2 LTS with SQL Server 2019 Standard
Free tier eligible

Amazon Linux 2 LTS with SQL Server 2017 Standard
Free tier eligible

Amazon Linux 2 with .NET 6, PowerShell, Mono, and MATE Desktop Environment
Free tier eligible

Deep Learning 2023 Nvidia Driver AMI GPU PyTorch 2.0.1 (Amazon Linux 2) 20240312
Free tier eligible

Amazon Linux 2023 AMI
Free tier eligible

Description
Amazon Linux 2023 AMI 2023.4.20240401.1 x86_64 HVM kernel-6.1

Architecture Boot mode AMI ID Verified provider

Summary

Number of instances

Software image (AMI)
Amazon Linux 2023 AMI 2023.4.2...read more
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t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Launch instance

Review commands

Application and OS Images (Amazon Machine Image)

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Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Launch instance

Review commands

Key pair (Login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required

Select **Create new key pair**

Network settings Info

Network Info
vpc-055ca4486d55d848b
Subnet Info
No preference (Default subnet in any availability zone)
Auto-assign public IP Info
Enable
Additional charges apply when outside of free tier allowance

Firewall (security group) Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
 Create security group Select existing security group

We'll create a new security group called **'Launch-wizard-1'** with the following rules:

Summary

Number of instances Info
1

Software image (AMI)
Amazon Linux 2 Kernel 5.10 AMI... read more
ami-0451f23a8772c60411

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volume(s))
1 volume(s) - 8 GB

Launch instance **Review commands**

Create key pair

Key pair name To connect to your instance securely. **public-vm1** **Create key pair**

Key pair type RSA RSA encrypted private and public key (PKCS#8) ED25519 ED25519 encrypted private and public key pair

Private key file format pem For use with OpenSSH pk8 For use with PuTTY

When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. Learn more

Create key pair

Save As

Desktop > OneDrive - Personal

Name Date modified Type Size

normal notes 05-04-2024 15:18 File folder

Syllabus All Subjects 04-04-2024 16:54 File folder

File name:

Save as type: PEM file (*.pem)

Save **Cancel**

Hide Folders

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
 Create security group Select existing security group

We'll create a new security group called **'Launch-wizard-1'** with the following rules:

Key pair (Login) info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required
public-vm1

Network settings

Network info
vpc-035ca4486d55d848b

Subnet info
No preference (Default subnet in any availability zone)

Auto-assign public IP - Info
Enable

Additional charges apply when outside of free tier allowance.

Firewall (security group) info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

We'll create a new security group called "launch-wizard-1" with the following rules:

Allow SSH traffic from Anywhere 0.0.0.0/0

Allow HTTPS traffic from the internet To set up an endpoint, for example when creating a web server.

Summary

Number of instances 1

Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AMI...read more ami-0451f23a87715edc411

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volume)
1 volume(s) - 8 GB

Launch instance

Review commands

Key pair (Login) info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required
public-vm1

No preference

subnet-024b011ae8779880cb
VPC: vpc-035ca4486d55d848b Owner: 21112573 Availability Zone: ap-south-1a

subnet-04120fb15521df5c
VPC: vpc-035ca4486d55d848b Owner: 211125739636 Availability Zone: ap-south-1c

subnet-0991d5e5e09a38809
VPC: vpc-035ca4486d55d848b Owner: 211125739636 Availability Zone: ap-south-1b

No preference

Auto-assign public IP - Info
Enable

Additional charges apply when outside of free tier allowance.

Firewall (security group) info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

Security group name - required
launch-wizard-1

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and _./@!%,=;&|!#*.

Summary

Number of instances 1

Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AMI...read more ami-0451f23a87715edc411

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volume)
1 volume(s) - 8 GB

Launch instance

Review commands

before you launch the instance.

Key pair name - required
public-vm1

Network settings

VPC - required info
vpc-035ca4486d55d848b (default) 172.31.0.0/16

Subnet info
subnet-024b011ae8779880cb
VPC: vpc-035ca4486d55d848b Owner: 211125739636 Availability Zone: ap-south-1a IP addresses available: 4091 CDR: 172.31.32.0/20

Auto-assign public IP info
Enable

Additional charges apply when outside of free tier allowance.

Firewall (security groups) info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

Common security groups info
Select security groups

Compare security group rules

Advanced network configuration

Summary

Number of instances 1

Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AMI...read more ami-0451f23a87715edc411

Virtual server type (instance type)
t2.micro

Firewall (security group)
-

Storage (volume)
1 volume(s) - 8 GB

Launch instance

Review commands

Screenshot of the AWS EC2 Launch Instance wizard - Step 2: Set instance details.

Summary

- Number of instances: 1
- Software Image (AMI): Amazon Linux 2 Kernel 5.10 AMI... (ami-04172d8715ed0411)
- Virtual server type (instance type): t2.micro
- Firewall (security group): default
- Storage (volumes): 1 volume(s) - 8 GB

Network settings

VPC - required: **vpc-035ca4486d55d848b** (default) 172.31.0.0/16

Subnet: **subnet-024b01a8d779880cb** VPC: vpc-035ca4486d55d848b Owner: 211125739436 Availability Zone: ap-south-1a IP addresses available: 4091 CIDR: 172.31.32.0/20

Auto-assign public IP: **Enable**

Additional charges apply when outside of free tier allowance

Firewall (security group): **Info** A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Security groups that you add or remove here will be added to or removed from all your network interfaces.

Create security group **Select existing security group** Compare security group rules

Launch instance

Screenshot of the AWS EC2 Launch Instance wizard - Step 2: Set instance details.

Summary

- Number of instances: 1
- Software Image (AMI): Amazon Linux 2 Kernel 5.10 AMI... (ami-04172d8715ed0411)
- Virtual server type (instance type): t2.micro
- Firewall (security group): **default**
- Storage (volumes): 1 volume(s) - 8 GB

Network settings

VPC - required: **vpc-035ca4486d55d848b** (default) 172.31.0.0/16

Subnet: **subnet-024b01a8d779880cb** VPC: vpc-035ca4486d55d848b Owner: 211125739436 Availability Zone: ap-south-1a IP addresses available: 4091 CIDR: 172.31.32.0/20

Auto-assign public IP: **Enable**

Additional charges apply when outside of free tier allowance

Firewall (security group): **Info** A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group **Select existing security group** Compare security group rules

Launch instance

Screenshot of the AWS EC2 Instances page after launching an instance.

Success Successfully initiated launch of instance (i-0928b43bab3c9827e)

Next Steps

What would you like to do next with this instance, for example "create alarm" or "create backup":

- Create billing and free tier usage alerts
- Connect to your instance
- Connect an RDS database
- Create EBS snapshot policy
- Manage detailed monitoring
- Create Load Balancer
- Create AWS budget
- Manage CloudWatch alarms

Connect to instance **Connect an RDS database** **Create EBS snapshot policy**

Learn more **Create a new RDS database** **Learn more** **Manage CloudWatch alarms**

Create billing alerts **Connect to your instance** **Connect an RDS database** **Create EBS snapshot policy**

Create Load Balancer **Create AWS budget** **Manage CloudWatch alarms**

Learn more **Learn more** **Learn more**

<https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#/>

Instances [3] **Launch instances**

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
private-vm1	i-0207ed7aba5372fe	Terminated	t2.micro	-	-	ap-south-1a	-
public-vm1	i-0004e16d593fe51d	Terminated	t2.micro	-	-	ap-south-1a	-
	i-0928b438ab5c98276	Running	t2.micro	-	-	ap-south-1a	ec2-13-201-120-243.ip...

Launch an instance

Step 1: Name and tags

Step 2: Application and OS Images (Amazon Machine Image)

Summary

Number of instances: 1

Software Image (AMI): Amazon Linux 2023 AMI 2023.4.2... (read more)

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 8 GB

Launch instance

Step 2: Application and OS Images (Amazon Machine Image)

Summary

Number of instances: 1

Software Image (AMI): Amazon Linux 2023 AMI 2023.4.2... (read more)

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 8 GB

Launch instance

Step 2: Application and OS Images (Amazon Machine Image)

Summary

Number of instances: 1

Software Image (AMI): Amazon Linux 2 Kernel 5.10 AMI... (read more)

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 8 GB

Launch instance

Amazon Machine Image (AMI)

Amazon Linux 2 AMI Kernel 5.10, SSD Volume Type
ami-0451f26871b2e0411 (64-bit) | ami-0451f26871b2e0411 (64-bit (Arm))
Virtualization type: HVM enabled: true Root device type: sda1

Free tier eligible

Architecture: 64-bit (x86) | AMI ID: ami-0451f26871b2e0411 | Verified provider

Launch instance

Instance type: t2.micro

Free tier eligible

All generations

Compare instance types

Key pair name - required: Select | Create new key pair (highlighted)

Network settings

Summary

Number of instances: 1

Software Image (AMI): Amazon Linux 2 Kernel 5.10 AMI... (more)

Virtual server type (instance type): t2.micro

Launch instance

Create key pair

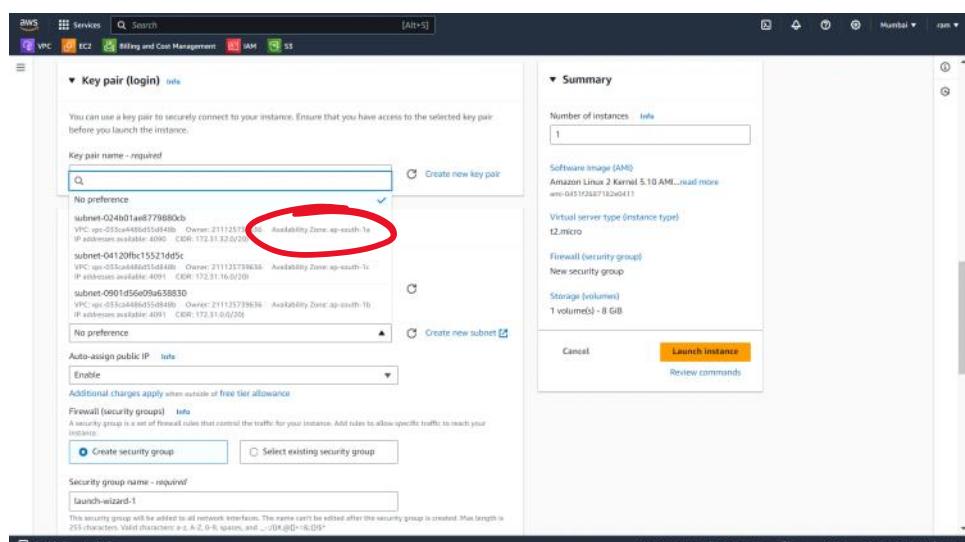
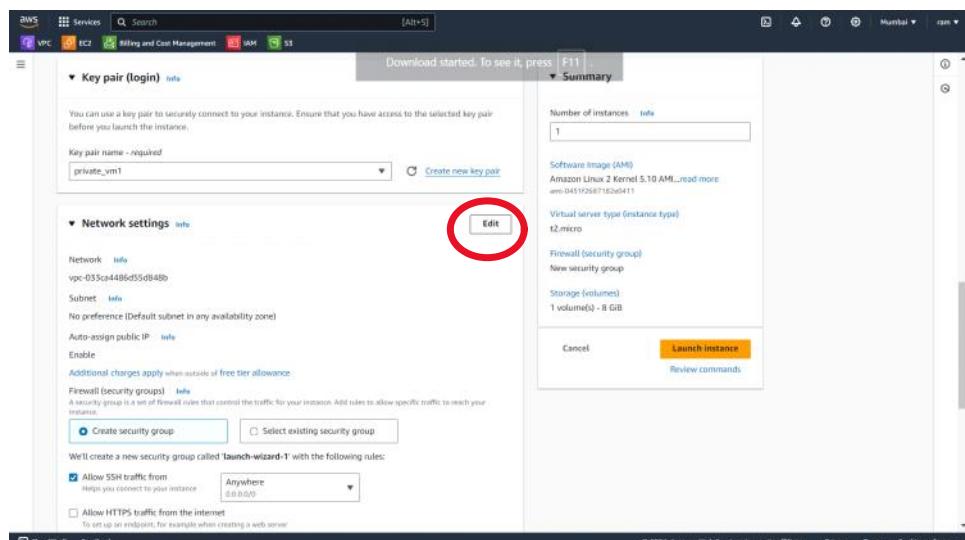
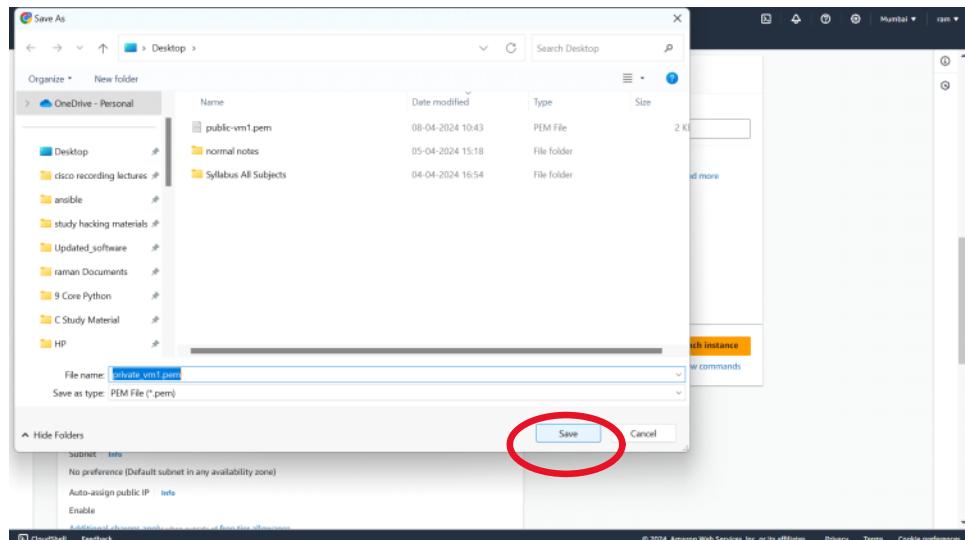
Key pair name: private_vml (highlighted)

Key pair type: RSA (selected) | ED25519

Private key file format: pem (selected) | ssh

When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. Learn more

Create key pair (highlighted)



Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required

private_vml [Create new key pair](#)

Network settings [Info](#)

VPC - required

vpc-033ca486d55d848b (default) [Subnet info](#)

Auto-assign public IP [Info](#)

Disable [Enable](#) [Disable](#) [Create security group](#) [Select existing security group](#)

Security group name - required

launch-wizard-1 [Launch wizard-1](#)

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, space, and _-./!@#\$%^&*-_=][{}^`~`

Summary

Number of instances [Info](#)

1

Software image (AMI)

Amazon Linux 2 Kernel 5.10 AMI... [read more](#)

ami-0451f23a87126d411

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GB

[Cancel](#) [Launch instance](#) [Review commands](#)

Network settings [Info](#)

VPC - required

vpc-033ca486d55d848b (default) [Subnet info](#)

Auto-assign public IP [Info](#)

Disable [Create security group](#) [Select existing security group](#)

Firewall (security group) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

[Create security group](#) [Select existing security group](#)

Common security groups [Info](#)

Select security groups

[Compare security group rules](#)

default [sg-08701735a6f292197](#)

Configure storage [Info](#)

Advanced

1x 8 GB gp2 [Root volume \(Not encrypted\)](#)

Summary

Number of instances [Info](#)

1

Software image (AMI)

Amazon Linux 2 Kernel 5.10 AMI... [read more](#)

ami-0451f23a87126d411

Virtual server type (instance type)

t2.micro

Firewall (security group)

-

Storage (volumes)

1 volume(s) - 8 GB

[Cancel](#) [Launch instance](#) [Review commands](#)

Create security group [Select existing security group](#)

Common security groups [Info](#)

Select security groups

default sg-08701735a6f292197 [X](#) [Compare security group rules](#)

Security groups that you add or remove here will be added to or removed from all your network interfaces.

Advanced network configuration

Configure storage [Info](#)

Advanced

1x 8 GB gp2 [Root volume \(Not encrypted\)](#)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

[Add new volume](#)

Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems [Edit](#)

Advanced details [Info](#)

Summary

Number of instances [Info](#)

1

Software image (AMI)

Amazon Linux 2 Kernel 5.10 AMI... [read more](#)

ami-0451f23a87126d411

Virtual server type (instance type)

t2.micro

Firewall (security group)

default

Storage (volumes)

1 volume(s) - 8 GB

[Cancel](#) [Launch instance](#) [Review commands](#)

Identity and Access Management (IAM)

[Dashboard](#)

Access management

Users [Add user](#) [Add MFA](#)

Policies

Identity providers

Account settings

Access reports

IAM Dashboard

Security recommendations

- Add MFA for root user
- Root user has no active access keys

IAM resources

Resources in this AWS Account

User groups	Users	Roles	Policies	Identity providers

AWS Account

Account ID: 211125739636

Account Alias: userlocal

Edit Delete

Sign-in URL for IAM users in this account: https://userlocal.signin.aws.amazon.com/console

Quick Links

IAM Dashboard

Security recommendations

- Add MFA for root user
- Root user has no active access keys

IAM resources

User groups	Users	Roles	Policies	Identity providers
0	0	5	3	0

What's new

IAM Access Analyzer now simplifies inspecting unused access to guide you toward least privilege.

AWS Account

Account ID: 211125739636
Account Alias: userlocal
Sign-in URL for IAM users in this account: https://userlocal.signin.aws.amazon.com/console

Quick Links

My security credentials
Policy simulator

Tools

CloudShell Feedback

Users (0) info

An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

User name	Path	Group	Last activity	MFA	Password age	Console last sign-in	Access key ID
No resources to display							

Specify user details

User details

User name: user1

Provide user access to the AWS Management Console - optional

Are you providing console access to a person?

Specify a user in Identity Center - Recommended

I want to create an IAM user

Console password

Autogenerated password

Custom password

User1@123

Show password

Users must create a new password at next sign-in - Recommended

Skip Step 3

Review and create

User name: user1

The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and +, -, ., _ (hyphen).

Provide user access to the AWS Management Console - optional

If you're providing console access to a person, it's a best practice [to manage their access in IAM Identity Center](#).

Are you providing console access to a person?

Specify a user in Identity Center - Recommended
We recommend that you use Identity Center to provide console access to a person. With Identity Center, you can centrally manage user access to their AWS accounts and third-party applications.

I want to create an IAM user
This document that you create IAM users only if you need to enable programmatic access through access keys, service-specific credentials for AWS CodeCommit or Amazon Keyspaces, or a backup credential for emergency account access.

Console password:

Autogenerated password
You can view the password after you create the user.

Custom password
Enter a custom password for the user.
User1@123

Must be at least 12 characters long
Must contain three of the following mix of character types: uppercase letters (A-Z), lowercase letters (a-z), numbers (0-9), and symbols (!@#\$%^&*()_+=-{}[]|)

Show password

Users must create a new password at next sign-in - Recommended
Users automatically get the [IAMUserChangePassword](#) policy to allow them to change their own password.

If you're creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. [Learn more](#)

Next

Skip Step 1

Specify user details

Step 2 Set permission

Step 3 Review and create

Step 4 Retrieve password

Set permissions

Add user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by job functions. [Learn more](#)

Permissions options

Add user to group
Add user to an existing group, or create a new group. We recommend using groups to manage user permissions by job function.

Copy permissions
Copy all group memberships, attached managed policies, and inline policies from an existing user.

Attach policies directly
Attach a managed policy directly to a user. As a best practice, we recommend attaching policies to a group instead. Then, add the user to the appropriate group.

Permissions policies (1/1192)

Choose one or more policies to attach to your new user.

Policy name	Type	Attached entities
<input checked="" type="checkbox"/> AdministratorAccess	AWS managed - job function	0
<input type="checkbox"/> AdministratorAccess-AWSLambdaBasicExecutionRole	AWS managed	0
<input type="checkbox"/> AdministratorAccess-Amplify	AWS managed	0
<input type="checkbox"/> AdministratorAccess-AWSLambdaBasicExecutionRole	AWS managed	0
<input type="checkbox"/> AmazonAPIGatewayAdmin	AWS managed	0
<input type="checkbox"/> AmazonAPIGatewayFullAccess	AWS managed	0
<input type="checkbox"/> AmazonAPIGatewayExecution	AWS managed	0
<input type="checkbox"/> AmazonAPIGatewayInvokeV2	AWS managed	0
<input type="checkbox"/> AmazonAPIGatewayPushToCloudWatchLogs	AWS managed	0
<input type="checkbox"/> AmazonAppFlowFullAccess	AWS managed	0
<input type="checkbox"/> AmazonAppFlowReadOnlyAccess	AWS managed	0
<input type="checkbox"/> AmazonAppStreamFullAccess	AWS managed	0
<input type="checkbox"/> AmazonAppStreamPCAAccess	AWS managed	0
<input type="checkbox"/> AmazonAppStreamReadOnlyAccess	AWS managed	0
<input type="checkbox"/> AmazonAppStreamServiceAccess	AWS managed	0

Create policy

Next

Skip Step 1

Specify user details

Step 2 Set permission

Step 3 Review and create

Step 4 Retrieve password

Set permissions boundary - optional

AdministratorAccess

[AdministratorAccess-Amplify](#) AWS managed 0

[AdministratorAccess-AWSLambdaBasicExecutionRole](#) AWS managed 0

[AdministratorAccess-AWSLambdaBasicExecutionRole](#) AWS managed 0

[AdministratorAccess-Amplify](#) AWS managed 0

[AdministratorAccess-AWSLambdaBasicExecutionRole](#) AWS managed 0

[AmazonAPIGatewayAdmin](#) AWS managed 0

[AmazonAPIGatewayFullAccess](#) AWS managed 0

[AmazonAPIGatewayExecution](#) AWS managed 0

[AmazonAPIGatewayInvokeV2](#) AWS managed 0

[AmazonAPIGatewayPushToCloudWatchLogs](#) AWS managed 0

[AmazonAppFlowFullAccess](#) AWS managed 0

[AmazonAppFlowReadOnlyAccess](#) AWS managed 0

[AmazonAppStreamFullAccess](#) AWS managed 0

[AmazonAppStreamPCAAccess](#) AWS managed 0

[AmazonAppStreamReadOnlyAccess](#) AWS managed 0

[AmazonAppStreamServiceAccess](#) AWS managed 0

Next

Screenshot of the AWS IAM 'Create user' wizard Step 4: Review and create.

User details:

- User name: user1
- Console password type: Custom password
- Require password reset: Yes

Permissions summary:

Name	Type	Used as
AdministratorAccess	AWS managed - job function	Permissions policy
IAMUserChangePassword	AWS managed	Permissions policy

Tags - optional:

No tags associated with the resource.

Create user button highlighted with a red box.

Screenshot of the AWS IAM 'Create user' wizard Step 4: Review and create.

User created successfully:

You can view and download the user's password and email instructions for signing in to the AWS Management Console.

Retrieve password:

Console sign-in details:

- Console sign-in URI: <https://userlocal.signin.aws.amazon.com/console>
- User name: user1
- Console password: user1@123 (Redacted)

Create user button highlighted with a red box.

Screenshot of the AWS IAM 'Users' page.

Identity and Access Management (IAM) Dashboard:

- Access management: User groups, Roles, Policies, Identity providers, Account settings.
- Access reports: Access Analyzer, External access, Unused access, Analyzer settings, Credential report, Organization activity, Service control policies (SCPs).
- Related consoles: IAM Identity Center, AWS Organizations.

Users (1) Info:

An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

Search	Path	Group	Last activity	MFA	Password age	Console last sign-in	Access key ID
user1	/	0					

Create user button highlighted with a red box.

Identity and Access Management (IAM)

Summary

ARN: arn:aws:iam::211125739636:user/user1
Created: April 08, 2024, 10:46 (UTC+05:50)

Console access: Enabled without MFA
Last console sign-in: Never

Access key 1 Create access key

Permissions policies (2)

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

Policy name	Type	Attached via
AdministratorAccess	AWS managed - job function	Directly
IAMUserChangePassword	AWS managed	Directly

Permissions boundary (not set)

Generate policy based on CloudTrail events

Step 2 - optional
Set description tag

Step 3
Retrieve access keys

Use case

Command Line Interface (CLI)
You plan to use this access key to enable the AWS CLI to access your AWS account.

Local code
You plan to use this access key to enable application code in a local development environment to access your AWS account.

Application running on an AWS compute service
You plan to use this access key to enable application code running on an AWS compute service like Amazon EC2, Amazon ECS, or AWS Lambda to access your AWS account.

Third-party service
You plan to use this access key to authenticate a third-party application or service that monitors or manages your AWS resources.

Application running outside AWS
You plan to use this access key to authenticate workloads running in your data center or other infrastructure outside of AWS that needs to access your AWS resources.

Other
Your use case is not listed here.

Alternatives recommended

- Use AWS CloudShell, a browser-based CLI, to run commands. [Learn more](#)
- Use the AWS CLI V2 and enable authentication through a user in IAM Identity Center. [Learn more](#)

Confirmation

I understand the above recommendation and want to proceed to create an access key.

Next

Step 1
[Access key best practices & alternatives](#)

Step 2 - optional
[Set description tag](#)

Step 3
Retrieve access keys

Set description tag - optional

The description for this access key will be attached to this user as a tag and shown alongside the access key.

Description tag value

Describe the purpose of this access key and where it will be used. A good description will help you rotate this access key confidently later.

Maximum 256 characters. Allowed characters are letters, numbers, spaces representable in UTF-8, and: _-./+=@

Create access key

Screenshot of the AWS IAM 'Access key created' page. A red box highlights the 'Access key' section showing the key ID and secret access key. A red arrow points from the 'Done' button at the bottom right to a red circle.

Screenshot of the AWS S3 homepage. A red circle highlights the 'Create bucket' button. Below it, a red box highlights the 'Bucket name' input field where 'appserverdisk1' is typed.

Screenshot of the 'Create bucket' configuration page. A red circle highlights the 'Bucket name' input field with 'appserverdisk1'. A red box highlights the 'Object Ownership' section, which shows 'ACLs disabled (recommended)' selected.

Screenshot of the 'Object Ownership' configuration page. A red circle highlights the 'Object Ownership' section, which shows 'ACLs disabled (recommended)' selected. A red box highlights the 'Block Public Access settings for this bucket' section, which is currently set to 'Off'.

Block Public Access settings for this bucket

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or ID. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket! And its access points. AWS's recommendations that you turn on Block all public access, but before applying any of these settings, ensure that your requirements allow block access directly without public access. If you require some level of public access to this bucket or objects within, you can use individual settings below to set your specific storage use cases. [Learn more](#) [?](#)

Block all public access

Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

- Block public access to buckets and objects granted through new access control lists (ACLs)**
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.
- Block public access to buckets and objects granted through any access control lists (ACLs)**
S3 will ignore all ACLs that grant public access to buckets and objects.
- Block public access to buckets and objects granted through new public bucket or access point policies**
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
- Block public and cross-account access to buckets and objects through any public bucket or access point policies**
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

Y Turning off block all public access might result in this bucket and the objects within becoming public

AWS recommends that you turn on Block all public access, unless public access is required for specific and limited use cases such as static website hosting.

I acknowledge that the current settings might result in this bucket and the objects within becoming public.

Bucket Versioning

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#) [?](#)

Bucket Versioning

Disable

Enable

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Default encryption [Info](#)

Server-side encryption is automatically applied to new objects stored in this bucket.

Encryption type: **Info**

Server-side encryption with Amazon S3 managed keys (SSE-S3)

Server-side encryption with AWS Key Management Service keys (SSE-KMS)

Dual-layer server-side encryption with AWS Key Management Service keys (DSS-E-KMS)

SSE-KMS key reduces costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSS-E-KMS. [Learn more](#) [?](#)

Bucket Key

Using a bucket key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSS-E-KMS. [Learn more](#) [?](#)

Disable

Enable

Advanced settings

[After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.](#)

Create bucket

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Successfully created bucket "appserverdisk1". To upload files and folders, or to configure additional bucket settings, choose View details.

Amazon S3 > Buckets

▶ Account snapshot Storage item provides visibility into storage usage and activity trends. Learn more

General purpose buckets (1) info

Buckets are containers for data stored in S3.

Name appserverdisk1

AWS Region IAM Access Analyzer Creation date April 8, 2024, 10:48:27 (UTC+05:30)

Create bucket

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Amazon S3 > Buckets

▶ Account snapshot Storage item provides visibility into storage usage and activity trends. Learn more

General purpose buckets (1) info

Buckets are containers for data stored in S3.

Name appserverdisk1

AWS Region Asia Pacific (Mumbai) ap-south-1 IAM Access Analyzer View analyzer for ap-south-1 Creation date April 8, 2024, 10:48:27 (UTC+05:30)

Create bucket

<https://ap-south-1.console.aws.amazon.com/s3/buckets/appserverdisk1?region=ap-south-1&bucketType=general> © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

EC2 Dashboard

EC2 Global View

Events

Instances

- Instances
- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances
- Dedicated Hosts
- Capacity
- Reservations **New**

Images

- AMIs
- AMI Catalog

Elastic Block Store

- Volumes
- Snapshots
- Lifecycle Manager

Network & Security

- Security Groups
- Elastic IPs
- Placement Groups
- Key Pairs

Feedback

Resources

You currently have the following Amazon EC2 resources in the Asia Pacific (Mumbai) Region:

Instances (running)	Auto Scaling Groups	Dedicated Hosts
2	0	0
Eligible instances	Instances	Key pairs
0	4	2
Load balancers	Placement groups	Security groups
0	0	1
Snapshots	Volumes	
0	2	

Launch instance

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

Service health

AWS Health Dashboard

Account attributes

Default VPC vpc-035ca4486cd55db48b

Settings

- Data protection and security
- Zones
- EC2 Serial Console
- Default credit specification
- Console experiments

Explore AWS

Get Up to 40% Better Price Performance Tag instances deliver the best price performance for burstable general purpose workloads in Amazon EC2. Learn more

10 Things You Can Do Today to Reduce AWS Costs Explore how to effectively manage your AWS costs

EC2 Dashboard

EC2 Global View

Events

Instances

- Instances
- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances
- Dedicated Hosts
- Capacity
- Reservations **New**

Images

Instances (1/2) info

Find instance by attribute or tag (case-sensitive)

Instance state: running

All states

Instance: i-0928b438ab3c98276 (public_vm1)

Details

Public IPv4 address 13.201.120.243 **Join address** [Join](#)

Private IPv4 addresses 172.51.33.195

Details | Status and alarms New | Monitoring | Security | Networking | Storage | Tags

Instance summary

Instance ID: i-0928b43bab3c98276 (public_vm1)

Public IPv4 address: 13.201.120.243 [Open address](#)

Private IPv4 addresses: 172.31.33.195

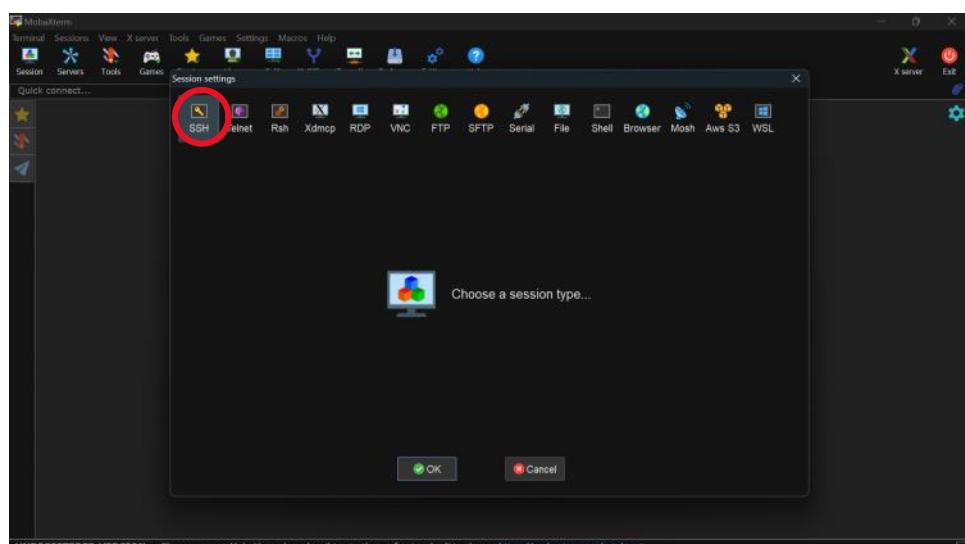
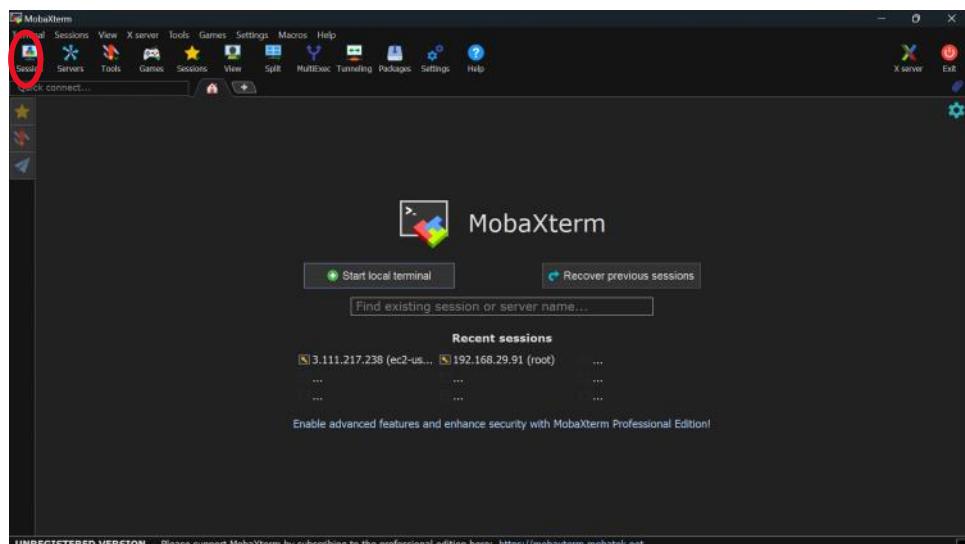
Public IPv4 DNS: ec2-13-201-120-243.ap-south-1.compute.amazonaws.com

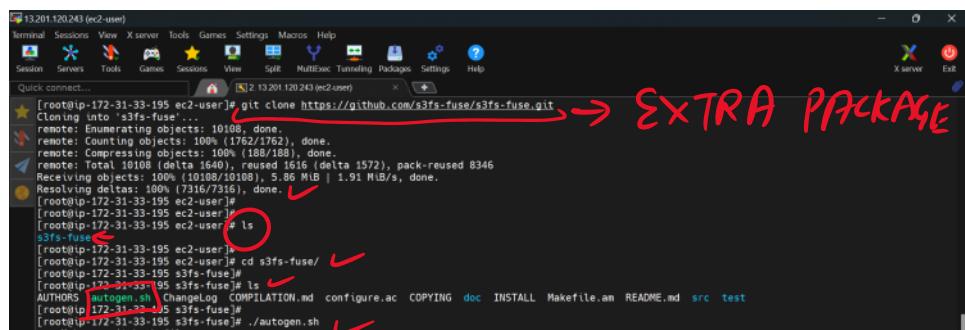
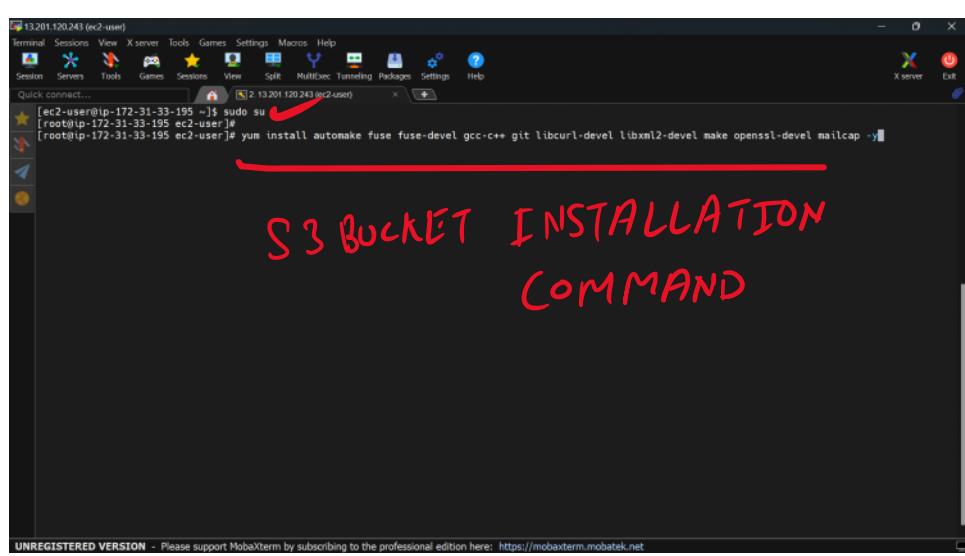
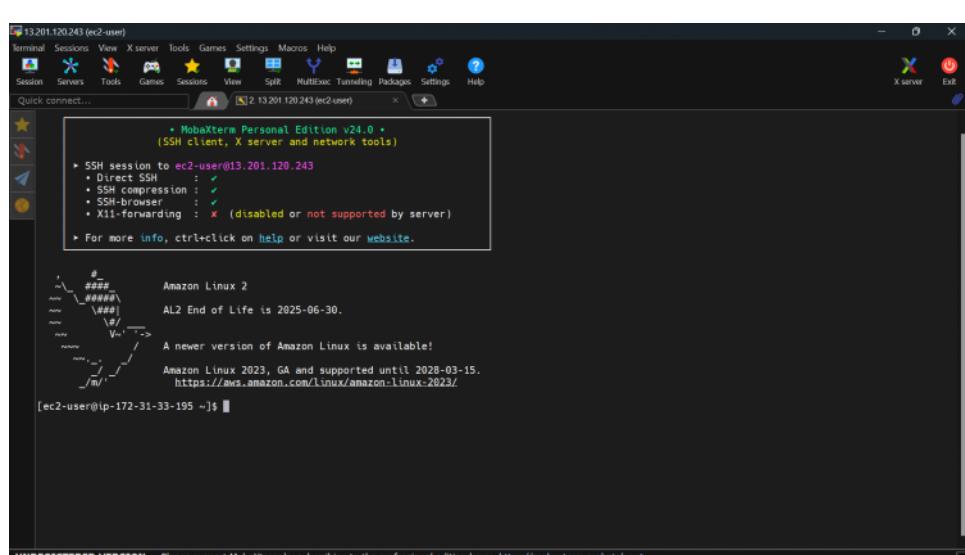
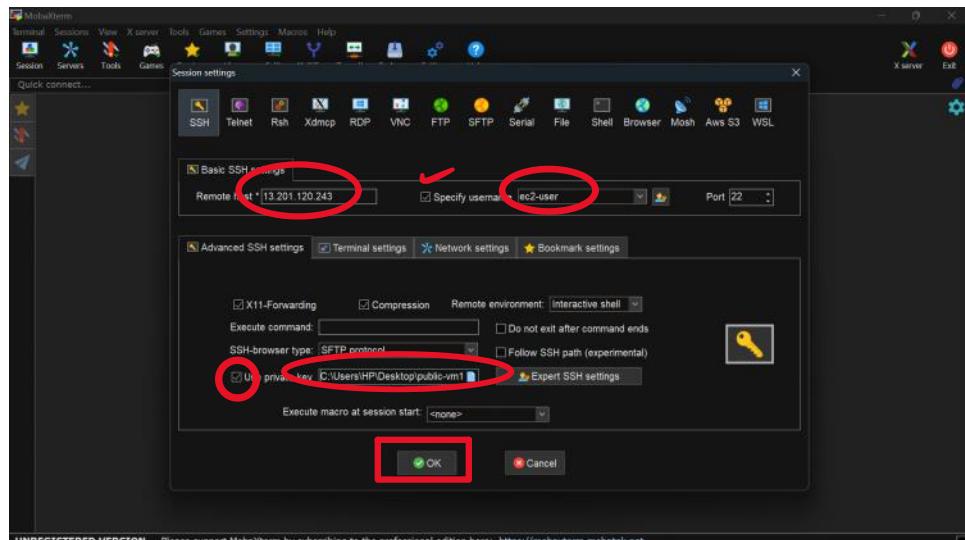
Private IP address: 172.31.33.195

Public IPv4 DNS: ec2-13-201-120-243.ap-south-1.compute.amazonaws.com

Auto Scaling Group name:

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```
[root@ip-172-31-33-195 ec2-user]# cd s3fs-fuse/
[root@ip-172-31-33-195 ec2-user]# ./configure --prefix=/usr --with-openssl
AUTHORS AUTHORS.bibl ChangeLog COMPILATION.md configure.ac COPYING doc INSTALL Makefile.am README.md src test
... Make commit hash file ...
... Finished commit hash file ...
... Start auto-tools ...
configure.ac:26: installing './config.guess'
configure.ac:26: installing './config.sub'
configure.ac:27: installing './missing'
configure.ac:27: installing './missing.lit'
src/Makefile.am: installing './depcomp'
parallel-tests: installing './test-driver'
... Finished auto-tools ...
[root@ip-172-31-33-195 s3fs-fuse]#
[root@ip-172-31-33-195 s3fs-fuse]#
```

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```
[root@ip-172-31-33-195 s3fs-fuse]# ./configure --prefix=/usr --with-openssl
[root@ip-172-31-33-195 s3fs-fuse]#
```

UNREGISTERED VERSION - Please support Mobaxterm by subscribing to the professional edition here: <https://mobaxterm.mobatek.net>

```
[root@ip-172-31-33-195 s3fs-fuse]# make
make all-recursive
make[1]: Entering directory '/home/ec2-user/s3fs-fuse'
make[2]: Entering directory '/home/ec2-user/s3fs-fuse/src'
g++ -DHAVE_CONFIG_H -I. -OFILE_OFFSET_BITS=64 -I/usr/include/fuse -I/usr/include/libxml2 -Wall -fno-exceptions -O_FILE_OFFSET_BITS=64 -O_f
RTIFY_SOURCE=3 -std=c++11 -g -O2 -MT s3fs.o -MD -MP -MF .deps/s3fs.o -c -o s3fs.cpp
[root@ip-172-31-33-195 s3fs-fuse]#
```

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```
[root@ip-172-31-33-195 s3fs-fuse]# make install
Making install in src
make[1]: Entering directory '/home/ec2-user/s3fs-fuse/src'
make[2]: Entering directory '/home/ec2-user/s3fs-fuse/src'
/bin/mkdir -p '/usr/bin'
/bin/install -c s3fs '/usr/bin'
make[2]: Nothing to be done for 'install-data-am'.
make[1]: Leaving directory '/home/ec2-user/s3fs-fuse/src'
make[1]: Leaving directory '/home/ec2-user/s3fs-fuse/src'
Making install in test
make[1]: Entering directory '/home/ec2-user/s3fs-fuse/test'
make[2]: Entering directory '/home/ec2-user/s3fs-fuse/test'
make[2]: Nothing to be done for 'install-exec-am'.
make[2]: Nothing to be done for 'install-data-am'.
make[1]: Leaving directory '/home/ec2-user/s3fs-fuse/test'
make[1]: Leaving directory '/home/ec2-user/s3fs-fuse/test'
Making install in doc
make[1]: Entering directory '/home/ec2-user/s3fs-fuse/doc'
make[2]: Entering directory '/home/ec2-user/s3fs-fuse/doc'
make[2]: Nothing to be done for 'install-exec-am'.
/bin/mkdir -p '/usr/share/man/man1'
/bin/install -c s3fs.1 '/usr/share/man/man1'
make[2]: Leaving directory '/home/ec2-user/s3fs-fuse/doc'
make[1]: Leaving directory '/home/ec2-user/s3fs-fuse/doc'
make[1]: Entering directory '/home/ec2-user/s3fs-fuse'
make[2]: Entering directory '/home/ec2-user/s3fs-fuse'
make[2]: Nothing to be done for 'install-exec-am'.
make[2]: Nothing to be done for 'install-data-am'.
make[1]: Leaving directory '/home/ec2-user/s3fs-fuse'
make[1]: Leaving directory '/home/ec2-user/s3fs-fuse'
[root@ip-172-31-33-195 s3fs-fuse]#
[root@ip-172-31-33-195 s3fs-fuse]#
```

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```

[13.201.120.243 (ec2-user)]
[root@ip-172-31-33-195 ~]# cd /etc/passwd-s3fs
[13.201.120.243 (ec2-user)]# cat /etc/passwd-s3fs
# ACCESS KEY/SECRET KEY
AKIAJCKATEB2OCJ65WMA:/Q17K9QX-2P/cfYXGMA0n1fUyHsOZL/ME15rINY
[13.201.120.243 (ec2-user)]# chmod 600 /etc/passwd-s3fs
[13.201.120.243 (ec2-user)]# mkdir s3bucket
[13.201.120.243 (ec2-user)]# df -Th
Filesystem      Type  Size  Used  Avail Use% Mounted on
devtmpfs        devtmpfs 468M   0  468M  0% /dev
tmpfs           tmpfs   477M   0  477M  0% /dev/shm
tmpfs           tmpfs   477M  436K  476M  1% /run
tmpfs           tmpfs   477M   0  477M  0% /sys/fs/cgroup
/dev/xvda1      xfs    8.0G  2.0G  6.0G  26% /
tmpfs           tmpfs   96M   0  96M  0% /run/user/1000
[13.201.120.243 (ec2-user)]# s3fs appserverdisk1 /s3bucket -o passwd_file=/etc/passwd-s3fs
[13.201.120.243 (ec2-user)]# ls -l
[13.201.120.243 (ec2-user)]# echo "This is new file" > /s3bucket/myfile.txt
[13.201.120.243 (ec2-user)]#

```

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The screenshot shows the AWS S3 console interface. In the left sidebar, under 'Buckets', the 'appserverdisk1' bucket is selected. The main area displays the contents of this bucket, showing a single object named 'myfile.txt'. The file is a standard text file with the content 'This is new file'. A red circle highlights the 'myfile.txt' file entry.

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```

[13.201.120.243 (ec2-user)]
[root@ip-172-31-33-195 ~]# ping google.com
PING google.com (142.250.183.46) 56(84) bytes of data.
64 bytes from bom12s11-in-f14.1e100.net (142.250.183.46): icmp_seq=1 ttl=110 time=1.53 ms
64 bytes from bom12s11-in-f14.1e100.net (142.250.183.46): icmp_seq=2 ttl=110 time=1.62 ms
64 bytes from bom12s11-in-f14.1e100.net (142.250.183.46): icmp_seq=3 ttl=110 time=1.54 ms
C
--- google.com ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2003ms
rtt min/avg/max/mdev = 1.335/1.570/1.629/0.052 ms
[13.201.120.243 (ec2-user)]# aws s3 ls
[13.201.120.243 (ec2-user)]# Unable to locate credentials. You can configure credentials by running 'aws configure'.
[13.201.120.243 (ec2-user)]# aws --version
aws-cli/1.18.147 Python/3.11.10 Linux/5.15.0-105-generic botocore/1.18.6
[13.201.120.243 (ec2-user)]# aws s3 config
[13.201.120.243 (ec2-user)]# aws s3 config
[13.201.120.243 (ec2-user)]# aws s3 config
[13.201.120.243 (ec2-user)]# AWS Access Key ID [None]: Q17K9QX-2P/cfYXGMA0n1fUyHsOZL/ME15rINY
AWS Secret Access Key [None]: AKIAJCKATEB2OCJ65WMA:/Q17K9QX-2P/cfYXGMA0n1fUyHsOZL/ME15rINY
Default region name [None]: ap-south-1
Default output format [None]: json
[13.201.120.243 (ec2-user)]# aws s3 ls
[13.201.120.243 (ec2-user)]# 2024-04-08 05:18:28 appserverdisk1
[13.201.120.243 (ec2-user)]# 

```

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```

[13:20:11 120.243 (ec2-user)]
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExe Tunneling Packages Settings Help
Quick connect...
[root@ip-172-31-33-195 s3fs-fuse]# ping google.com
PING google.com (142.250.183.46) 56(84) bytes of data
64 bytes from b0m2s11-in-f14.1e106.net (142.250.183.46):
64 bytes from b0m2s11-in-f14.1e106.net (142.250.183.46)
64 bytes from b0m2s11-in-f14.1e106.net (142.250.183.46)

3 packets transmitted 3 received, 0% packet loss, time=1.53 ms
rtt min/avg/max/mdev = 1.335/1.570/1.629/0.052 ms
[root@ip-172-31-33-195 s3fs-fuse]#
[root@ip-172-31-33-195 s3fs-fuse]# aws s3 ls
Unable to locate credentials. You can configure credential sources in "aws configure".
[root@ip-172-31-33-195 s3fs-fuse]#
[root@ip-172-31-33-195 s3fs-fuse]# aws --version
aws-cli/1.18.147 Python/2.7.18 Linux/5.10.213-201.855.amzn2.x86_64 botocore/1.18.6
[root@ip-172-31-33-195 s3fs-fuse]#
[root@ip-172-31-33-195 s3fs-fuse]# aws configure
AWS Access Key ID [None]: QJ7K9XzJ2PjcfYXGMaOn1fUyuHaOZL/MEi5rINY
AWS Secret Access Key [None]: /Q7kTEB0C3BSV5MA
Default region name [None]: ap-south-1
Default output format [None]:
[root@ip-172-31-33-195 s3fs-fuse]#
[root@ip-172-31-33-195 s3fs-fuse]# aws s3 ls
2024-08-08 05:18:29 appserverdisk1
[root@ip-172-31-33-195 s3fs-fuse]#
[root@ip-172-31-33-195 s3fs-fuse]# 

```

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```

[13:20:11 120.243 (ec2-user)]
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExe Tunneling Packages Settings Help
Quick connect...
[ec2-user@ip-172-31-33-195 ~]# su
[ec2-user@ip-172-31-33-195 ec2-user]# ls
[ec2-user@ip-172-31-33-195 ec2-user]# vim privatekey
[ec2-user@ip-172-31-33-195 ec2-user]# cat privatekey
-----BEGIN RSA PRIVATE KEY-----
MIIEouBAKAQAEaHjIoezdT1loCgEwWgNyoaa3hKj08Zbj3etoeR7vU6
Ywz2uIdPdv+E4U0i4yfubqv08CeqehnY245yUbl613yDqG5V1HS1Gz
U9j13Qm0dA8K9b7V1z5d1u6aH5Cwzqk68444a98L5d6f8oC9c1h6x
m/5D9nFopotg916x7V7he52Qen+vg7taw1w7VK9k2czb+v0T7CZ/Zxcpnlyme
Upddy55PPX/NGxQ8v65RxaCf72o3k/0Cdvi0A0BaCunT2FT4A5huuy
4b4gakInUbxAtxzFBj0RLwzf61XGpp8Y7tonsL14WCBAQeM4t7Hfu
4b4gakInUbxAtxzFBj0RLwzf61XGpp8Y7tonsL14WCBAQeM4t7Hfu
2g0dA0DOLsM5rreJgjAnGwMUzCpAf5fdj1pva/0RdmXp7Y9kRjD0Sga
-----END RSA PRIVATE KEY-----
[ec2-user@ip-172-31-33-195 ec2-user]# 

```

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The screenshot shows the AWS EC2 Dashboard with two instances running:

- public_vml**: Status: Running, Instance Type: t2.micro, Public IPv4 DNS: ec2-13-201-120-243.ap...
- private_vml**: Status: Running, Instance Type: t2.micro, Public IPv4 DNS: -

Details for **private_vml**:

- Public IPv4 address: 172.51.47.54
- Private IP: 172.31.47.54
- Private IP DNS: ip-172-31-47-54.ap-south-1.compute.internal
- Public IP DNS: vpc-033ca4486d55d848b

```

[13:20:11 120.243 (ec2-user)]
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExe Tunneling Packages Settings Help
Quick connect...
[root@ip-172-31-33-195 ec2-user]# chmod 600 privatekey
[root@ip-172-31-33-195 ec2-user]# ./privatekey ec2-user@172.31.47.54
The authenticity of host '172.31.47.54' ('172.31.47.54') can't be established.
ECDSA key fingerprint is SHA256:EvYmZK9P95+63nqluoA4fBKI0GNvrYOMp93M.
ECDSA key fingerprint is MD5:0:c6:ec:21:8b:5a:c:f:e:c3:d3:3c:b:f9:6:f:df:db.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '172.31.47.54' (ECDSA) to the list of known hosts.

Amazon Linux 2
AL2 End of Life is 2025-06-30.
A newer version of Amazon Linux is available!
Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/

```

Private Key ↴

```

AL2 End of Life is 2025-06-30.
A newer version of Amazon Linux is available!
Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/
[ec2-user@ip-172-31-47-54 ~]$ ping google.com
PING google.com (216.58.203.14) 56(84) bytes of data.
"C
--- google.com ping statistics ---
2 packets transmitted, 0 received, 100% packet loss, time 1007ms
[ec2-user@ip-172-31-47-54 ~]$ aws configure
AWS Access Key ID [None]: AKIATCKATEFB2CJ65MMA
AWS Secret Access Key [None]: Q017K90X+2PjcfYXGMa0n1fuyuHaOZL/ME5rINY
Default region name [None]: ap-south-1
Default output format [None]:
[ec2-user@ip-172-31-47-54 ~]$ [ec2-user@ip-172-31-47-54 ~]$ 

```

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↓
Public VM 1

VPC Dashboard

Create VPC Launch EC2 Instances

Resources by Region Refresh Resources

You are using the following Amazon VPC resources

VPCs	Asia Pacific	NAT Gateways	Asia Pacific
Subnets	Asia Pacific	VPC Peering Connections	Asia Pacific
Route Tables	Asia Pacific	Network ACLs	Asia Pacific
Internet Gateways	Asia Pacific	Security Groups	Asia Pacific
Egress-only Internet Gateways	Asia Pacific	Customer Gateways	Asia Pacific
DHCP option sets	Asia Pacific	Virtual Private Gateways	Asia Pacific
Elastic IPs		Instance Connect Endpoints	Asia Pacific
Managed prefix lists		Running Instances	Asia Pacific

Service Health

View complete service health details

Settings

Zones Console Experiments

Additional Information

VPC Documentation All VPC Resources Forums Report an Issue

AWS Network Manager

AWS Network Manager provides tools and features to help you manage and monitor your network on AWS. Network Manager makes it easier to perform connectivity management, network monitoring and troubleshooting, IP management, and network security and governance.

Get started with Network Manager

Site-to-Site VPN Connections

AWS VPC enables you to use your own isolated resources within the AWS Cloud, and then connect those resources directly to your own datacenter using industry-standard encrypted IPsec VPN connections.

Create VPN Connection

https://ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#Endpoints

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VPC dashboard

Create VPC Launch EC2 Instances

Resources by Region Refresh Resources

You are using the following Amazon VPC resources

VPCs	Asia Pacific	NAT Gateways	Asia Pacific
Subnets	Asia Pacific	VPC Peering Connections	Asia Pacific
Route Tables	Asia Pacific	Network ACLs	Asia Pacific
Internet Gateways	Asia Pacific	Security Groups	Asia Pacific
Egress-only Internet Gateways	Asia Pacific	Customer Gateways	Asia Pacific
DHCP option sets	Asia Pacific	Virtual Private Gateways	Asia Pacific
Elastic IPs		Instance Connect Endpoints	Asia Pacific
Managed prefix lists		Running Instances	Asia Pacific

Endpoints Info

Actions Create endpoint

No endpoint found

Select an endpoint

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Create endpoint Info

There are three types of VPC endpoints – Interface endpoints, Gateway Load Balancer endpoints, and Gateway endpoints. Interface endpoints and Gateway Load Balancer endpoints are powered by AWS PrivateLink, and use an Elastic Network Interface (ENI) as an entry point for traffic destined to the service. Interface endpoints are typically accessed using the public or private DNS name associated with the service, while Gateway endpoints and Gateway Load Balancer endpoints serve as a target for a route in your route table for traffic destined for the service.

Endpoint settings

Name (optional)
Create an endpoint with a key of 'Name' and a value that you specify.
forS3

Service category
Select the service category

Services
Services provided by Amazon

EC2 Instance Connect Endpoint
An elastic network interface that allows you to connect to resources in a private subnet

Other endpoint services
Find services shared with you by service name

Services (166)

Service Name	Owner	Type
aws.ap.ap-south-1.kendra-ranking	amazon	Interface
aws.sagemaker.ap-south-1.notebook	amazon	Interface
aws.sagemaker.ap-south-1.studio	amazon	Interface
com.amazonaws.ap-south-1.access-anal	amazon	Interface

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Services (1/2)

S3

Service Name

VPC
Select the VPC in which to create the endpoint.

VPC
The VPC in which to create your endpoint.
vpc-053ca4406d5d084b

Route tables (1) info

Name	Route Table ID	Main	Associated Id
rth-0deed1de8ab8cc4c	Yes	3 subnets	

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VPC

Select the VPC in which to create the endpoint.

VPC
The VPC in which to create your endpoint.
vpc-053ca4406d5d084b

Route tables (1/1) info

Name	Route Table ID	Main	Associated Id
rth-0deed1de8ab8cc4c	Yes	3 subnets	

When you use an endpoint, the source IP addresses from your instances in your affected subnets for accessing the AWS service in the same region will be private IP addresses, not public IP addresses. Existing connections from your affected subnets to the AWS service that use public IP addresses may be dropped. Ensure that you don't have critical tasks running when you create or modify an endpoint.

Policy Info
VPC endpoint policy controls access to the service.

Full access
Allows access by any user or service within the VPC using credentials from any Amazon Web Services accounts to any resources in this Amazon Web Services service. All policies — IAM user policies, VPC endpoint policies, and Amazon Web Services service-specific policies (e.g. Amazon S3 bucket policies, any S3 ACL policies) — must grant the necessary permissions for access to succeed.

Custom
Use the [policy creation tool](#) to generate a policy, then paste the generated policy below.

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