

Practice Assignment:

Q) Create an ec2 instance with the ubuntu operating system, set all the required parameters such as security groups and key pair, and also do SSH with git bash to the running instance.

Also, install NodeJS on top of the instance and check for the version of node to cross-check if NodeJS is installed successfully.

Also, configure the instance with an elastic ip to show the static public ip address.

Also, create an S3 bucket and upload an object to it and show the object URL for reference

ANS)

1. Go to services and select EC2:

The screenshot shows the AWS Management Console with the search bar set to 'ec2'. The main results page displays the 'Services' section, where the 'EC2' service is prominently featured. The EC2 card includes a star icon, the text 'Virtual Servers in the Cloud', and a 'Top features' section with links to 'Dashboard', 'Launch templates', 'Instances', 'Spot Instance requests', and 'Savings plans'. Below this, there are cards for 'EC2 Image Builder', 'Amazon Inspector', and 'AWS Firewall Manager'. The sidebar on the left provides navigation links for the EC2 Dashboard, Instances, and Images sections. On the right, there are panels for 'Account attributes' (listing supported platforms like VPC and Default VPC), 'Explore AWS' (with a message about spot instances), and a '10 Things You Can Do With AWS' summary.

Screenshot of the AWS EC2 Home page (https://us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#Home:)

Resources

You are using the following Amazon EC2 resources in the US East (Ohio) Region:

| | | | | | |
|---------------------|---|---------------------|---|-----------------|---|
| Instances (running) | 0 | Auto Scaling Groups | 0 | Dedicated Hosts | 0 |
| Elastic IPs | 0 | Instances | 1 | Key pairs | 2 |
| Load balancers | 0 | Placement groups | 0 | Security groups | 4 |
| Snapshots | 0 | Volumes | 0 | | |

Account attributes

- Supported platforms: VPC
- Default VPC: vpc-08f3e06aa53a6ca86
- Settings: EBS encryption, Zones
- EC2 Serial Console
- Default credit specification
- Console experiments

Launch instance

Launch instance from template

Service health

Region: US East (Ohio)

Explore AW

Enable Best Price-Performance with AWS Graviton2

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Launch an instance

Number of instances: 1

Software Image (AMI)

Amazon Linux 2 Kernel 5.10 AMI...read more
ami-0f3c9c466bb525749

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro) in the

Launch Instance

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The screenshot shows the AWS EC2 console interface. In the search bar, the query "Search our full catalog including 1000s of application and OS images" is entered. Below the search bar, there's a "Quick Start" section with a grid of logos for various AMIs: Amazon Linux, macOS, Ubuntu, Windows, Red Hat, and AWS Mac. A "Browse more AMIs" link is also present. The main listing shows the "Ubuntu Server 22.04 LTS (HVM), SSD Volume Type" AMI, which is "Free tier eligible". The AMI ID is ami-00eedc4036573771. The description indicates it's Canonical, Ubuntu, 22.04 LTS, amd64 jammy image build on 2023-02-08. The architecture is 64-bit (x86). The "Launch instance" button is visible at the bottom right.

This screenshot shows the "Summary" page after launching the instance. It displays the number of instances (1), the software image (Canonical, Ubuntu, 22.04 LTS), the virtual server type (t2.micro), and the storage configuration (1 volume(s) - 8 GiB). A tooltip for the "Free tier" is shown, stating: "Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the". The "Launch Instance" button is still present.

This screenshot shows the process of launching a second instance. The search bar is empty. The main listing shows the "Ubuntu Server 22.04 LTS (HVM), SSD Volume Type" AMI again, with the same details as the first instance. The "Launch instance" button is visible.

This screenshot shows the "Summary" page for the second instance. It follows the same structure as the first summary page, displaying the number of instances (1), software image, virtual server type, and storage configuration. A tooltip for the "Free tier" is shown, stating: "Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the". The "Launch Instance" button is still present.

Screenshot of the AWS EC2 Launch Instances page. The user has selected the 'ami-00eedec4036573771' AMI and chosen the 't2.micro' instance type. The 'Launch instance' button is 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: Select or Create new key pair.

Summary: Number of instances: 1

Software Image (AMI): Canonical, Ubuntu, 22.04 LTS, ...read more

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

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

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the same region).

Screenshot of the AWS EC2 Launch Instances page. The user has selected the 'hero2' key pair and chosen the 'RSA' key pair type. The 'Launch instance' button is highlighted.

Key pair allow you to connect to your instance securely.

Enter the name of the key pair below. 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](#)

Key pair name: hero2

Key pair type: RSA (selected)

Private key file format: .pem (selected)

Summary: Number of instances: 1

Software Image (AMI): Canonical, Ubuntu, 22.04 LTS, ...read more

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

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

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the same region).

Screenshot of the AWS EC2 Launch Instances wizard, Step 3: Configure Instance Details.

Network settings

- Network: vpc-0f8f3e06aa53a6ca86 | VPC-1(default)
- Subnet: No preference (Default subnet in any availability zone)
- Auto-assign public IP: Enabled
- Firewall (security groups):
 - Create security group (selected)
 - Select existing security group

We'll create a new security group called 'launch-wizard-5' 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
- Allow HTTP traffic from the internet To set up an endpoint, for example when creating a web server

⚠️ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Summary

- Number of instances: 1
- Software Image (AMI): Canonical, Ubuntu, 22.04 LTS, ami-00eedc4036573771
- Virtual server type (instance type): t2.micro
- Firewall (security group): New security group
- Storage (volumes): 1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the future).

Launch Instance

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Screenshot of the AWS EC2 Launch Instances wizard, Step 4: Configure Storage.

Configure storage

- 1x 8 GiB 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

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance.

0 x File systems

Advanced details

Summary

- Number of instances: 1
- Software Image (AMI): Canonical, Ubuntu, 22.04 LTS, ami-00eedc4036573771
- Virtual server type (instance type): t2.micro
- Firewall (security group): New security group
- Storage (volumes): 1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the future).

Launch Instance

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aws Services Search [Alt+S]

DynamoDB

EC2 Instances Launch an instance

Success Successfully initiated launch of instance (i-0964fe744bb645968)

▼ Launch log

| | |
|-------------------------------|-----------|
| Initializing requests | Succeeded |
| Creating security groups | Succeeded |
| Creating security group rules | Succeeded |
| Launch initiation | Succeeded |

Next Steps

Create billing and free tier usage alerts
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.

Connect to your instance
Once your instance is running, log into it from your local computer.

Connect to instance

Learn more

Connect an RDS database
Configure the connection between an EC2 instance and a database to allow traffic flow between them.

Connect an RDS database

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DynamoDB

New EC2 Experience Tell us what you think

EC2 Dashboard EC2 Global View Events Tags Limits Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations Images AMIs AMI Catalog

Details Security Networking Storage Status checks Monitoring Tags

▼ Instance details Info

| | | |
|------------------------|--|---|
| Platform | AMI ID | Monitoring |
| Ubuntu (Inferred) | ami-00eedc4036573771 | disabled |
| Platform details | AMI name | Termination protection |
| Linux/UNIX | ubuntu/images/hvm-ssd/ubuntu-jammy-22.04-amd64-server-20230208 | Disabled |
| Stop protection | Launch time | AMI location |
| Disabled | Sun Mar 05 2023 20:13:52 GMT+0530 (India Standard Time) (11 minutes) | amazon/ubuntu/images/hvm-ssd/ubuntu-jammy-22.04-amd64-server-20230208 |
| Instance auto-recovery | Lifecycle | Stop-hibernate behavior |
| Default | normal | disabled |
| AMI Launch index | Key pair name | State transition reason |
| 0 | hero2 | - |
| Credit specification | Kernel ID | State transition message |
| standard | - | - |
| Usage operation | RAM disk ID | Owner |
| RunInstances | - | 551907497081 |
| Enclaves Support | Boot mode | Allow tags in instance metadata |
| - | legacy-bios | Disabled |

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The screenshot shows the AWS Connect to Instance Info page for an EC2 instance with ID i-0964fe744bb645968. The 'SSH client' tab is selected. It provides instructions for connecting via SSH:

- Open an SSH client.
- Locate your private key file. The key used to launch this instance is hero2.pem
- Run this command, if necessary, to ensure your key is not publicly viewable.
chmod 400 hero2.pem
- Connect to your instance using its Public DNS:
ec2-3-19-142-233.us-east-2.compute.amazonaws.com

Example command:
ssh -i "hero2.pem" ubuntu@ec2-3-19-142-233.us-east-2.compute.amazonaws.com

Note: In most cases, the guessed user name is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.

At the bottom right, there is a 'Cancel' button.

The screenshot shows the same AWS Connect to Instance Info page, but with user input fields filled. The 'EC2 Instance Connect' tab is selected. The fields filled are:

- Instance ID: i-0964fe744bb645968 (ubuntu1)
- Public IP address: 3.19.142.233
- User name: ubuntu

A note at the bottom states: "Note: In most cases, the default user name, ubuntu, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name."

At the bottom right, there is a 'Cancel' button and a prominent orange 'Connect' button.

```
vamsi@DESKTOP-433CL41 MINGW64 ~ (main)
$ cd downloads

vamsi@DESKTOP-433CL41 MINGW64 ~/downloads (main)
$ ssh -i "NEWKEY.pem" ubuntu@ec2-13-214-201-126.ap-southeast-1.compute.amazonaws.com
The authenticity of host 'ec2-13-214-201-126.ap-southeast-1.compute.amazonaws.com (13.214.201.126)' can't be established.
ED25519 key fingerprint is SHA256:acIxuvY2DbcwbdREI7glppgA6INmDQxTdz/wLvHyw.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-13-214-201-126.ap-southeast-1.compute.amazonaws.com' (ED25519) to the list of known hosts.
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1028-aws x86_64)

 * Documentation: https://help.ubuntu.com
 * Management: https://landscape.canonical.com
 * Support: https://ubuntu.com/advantage

 System information as of Sat Mar  4 11:12:33 UTC 2023

 System load: 0.0          Processes:         94
 Usage of /: 19.8% of 7.57GB  Users logged in:      0
 Memory usage: 19%          IPv4 address for eth0: 172.31.15.124
 Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/*copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-15-124:~$
```

```
ubuntu@ip-172-31-15-124:~$ sudo apt update
Hit:1 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:3 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [107 kB]
Get:4 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
Get:5 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:6 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:7 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:8 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [217 kB]
Get:9 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse Translation-en [112 kB]
Get:10 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 c-n-f Metadata [8372 kB]
Get:11 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [939 kB]
Get:12 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [203 kB]
Get:13 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadata [13.6 kB]
Get:14 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [680 kB]
Get:15 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [106 kB]
Get:16 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 c-n-f Metadata [584 B]
Get:17 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [877 kB]
Get:18 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [172 kB]
Get:19 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [17.9 kB]
Get:20 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [6968 kB]
Get:21 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse Translation-en [3260 B]
Get:22 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 c-n-f Metadata [444 B]
Get:23 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [40.7 kB]
Get:24 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [980 B]
Get:25 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 c-n-f Metadata [392 B]
Get:26 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/restricted amd64 c-n-f Metadata [116 B]
Get:27 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [19.5 kB]
Get:28 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [14.0 kB]
Get:29 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [392 B]
Get:30 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:31 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [680 kB]
Get:32 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [139 kB]
Get:33 http://security.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata [8528 B]
Get:34 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [637 kB]
Get:35 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [99.7 kB]
Get:36 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [696 kB]
Get:37 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [111 kB]
Get:38 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [13.5 kB]
Get:39 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [4960 B]
Get:40 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [996 B]
Get:41 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [240 B]
Fetched 26.2 MB in 5s (5742 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
38 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-15-124:~$
```

```
Setting up libnodejs1v1 (2.12.7-0.15~Ubuntu3) ...
Setting up libjs-highlight.js (9.18.5+dfsg1-1) ...
Setting up nodejs (12.22.9-dfsg-1ubuntu3) ...
update-alternatives: using /usr/bin/nodejs to provide /usr/bin/js (js) in auto mode
Setting up nodejs-doc (12.22.9-dfsg-1ubuntu3) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-15-124:~$
```

```
ubuntu@ip-172-31-15-124:~$ node -v
v12.22.9
ubuntu@ip-172-31-15-124:~$ |
```

The screenshot shows the AWS EC2 search results for 'elastic ip'. The search bar at the top contains the query 'elastic ip'. The results are categorized under 'Features' and 'Resources'.

Features

- Elastic IPs (EC2 feature)
- Elastic IP addresses (VPC feature)
- Instance bundles (Lightsail feature)
- Transit Gateway route tables (VPC feature)

Resources

Introducing resource search: Enable to show cross-region resources for your account in search results. Takes less than 5 minutes to set up.

Dismiss Go to Resource Explorer

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The screenshot shows the AWS VPC Elastic IP addresses page. The search bar at the top contains the query 'Search'.

Elastic IP addresses

Filter Elastic IP addresses

| Name | Allocated IPv4 addr... | Type | Allocation ID | Reverse DNS record |
|--|------------------------|------|---------------|--------------------|
| No Elastic IP addresses found in this Region | | | | |

VPC dashboard EC2 Global View (New) Actions Allocate Elastic IP address

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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

https://us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#AllocateAddress:

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aws Services Search [Alt+S]

DynamoDB

VPC > Elastic IP addresses > Allocate Elastic IP address

Allocate Elastic IP address Info

Elastic IP address settings Info

Public IPv4 address pool

Amazon's pool of IPv4 addresses

Public IPv4 address that you bring to your AWS account (option disabled because no pools found) [Learn more](#)

Customer owned pool of IPv4 addresses (option disabled because no customer owned pools found) [Learn more](#)

Global static IP addresses

AWS Global Accelerator can provide global static IP addresses that are announced worldwide using anycast from AWS edge locations. This can help improve the availability and latency for your user traffic by using the Amazon global network. [Learn more](#)

[Create accelerator](#)

Tags - optional

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

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Search

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aws Services Search [Alt+S]

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Amazon's pool of IPv4 addresses

Public IPv4 address that you bring to your AWS account (option disabled because no pools found) [Learn more](#)

Customer owned pool of IPv4 addresses (option disabled because no customer owned pools found) [Learn more](#)

Global static IP addresses

AWS Global Accelerator can provide global static IP addresses that are announced worldwide using anycast from AWS edge locations. This can help improve the availability and latency for your user traffic by using the Amazon global network. [Learn more](#)

[Create accelerator](#)

Tags - optional

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

| Key | Value - optional |
|-----------------------------------|--|
| <input type="text" value="Name"/> | <input type="text" value="elastic-ip"/> Remove |
| Add new tag | |

You can add up to 49 more tag

Cancel **Allocate**

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Search

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Elastic IP address allocated successfully.
Elastic IP address 3.17.112.46 / elastic-ip

Elastic IP addresses (1/1)

| Name | Allocated IPv4 address | Type | Allocation ID | Reverse DNS record |
|------------|------------------------|-----------|----------------------------|--------------------|
| elastic-ip | 3.17.112.46 | Public IP | eipalloc-026c001c4a6e517c3 | - |

3.17.112.46

Summary Tags

Summary

Allocated IPv4 address Type Allocation ID Reverse DNS record

Associate Elastic IP address

Choose the instance or network interface to associate to this Elastic IP address (3.17.112.46)

Elastic IP address: 3.17.112.46

Resource type
Choose the type of resource with which to associate the Elastic IP address.

Instance
 Network interface

⚠️ If you associate an Elastic IP address with an instance that already has an Elastic IP address associated, the previously associated Elastic IP address will be disassociated, but the address will still be allocated to your account. [Learn more](#)

If no private IP address is specified, the Elastic IP address will be associated with the primary private IP address.

Instance
i-0964fe744bb645968

Private IP address
The private IP address with which to associate the Elastic IP address.

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Resource type
Choose the type of resource with which to associate the Elastic IP address.

Instance

Network interface

⚠️ If you associate an Elastic IP address with an instance that already has an Elastic IP address associated, the previously associated Elastic IP address will be disassociated, but the address will still be allocated to your account. [Learn more](#)

If no private IP address is specified, the Elastic IP address will be associated with the primary private IP address.

Instance

Private IP address
The private IP address with which to associate the Elastic IP address.

Reassociation
Specify whether the Elastic IP address can be reassigned with a different resource if it already associated with a resource.
 Allow this Elastic IP address to be reassigned

Associate

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DevOps Advisor Elastic IP address Herovired/ec2 ec2_Assignment abcd pdf - Se Convert Word ilovepdf online Download file practice_assign

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AWS Services Search [Alt+S]

DynamoDB

VPC dashboard EC2 Global View **New** 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

VPC > Elastic IP addresses > 3.17.112.46

3.17.112.46

Actions Associate Elastic IP address

| Summary | | | |
|--|---|--|--|
| Allocated IPv4 address <input type="text" value="3.17.112.46"/> | Type <input type="text" value="Public IP"/> | Allocation ID <input type="text" value="eipalloc-026c001c4a6e517c3"/> | Reverse DNS record - |
| Association ID <input type="text" value="eipassoc-0ea07a5fa38d58120"/> | Scope <input type="text" value="VPC"/> | Associated instance ID <input type="text" value="i-0964fe744bb645968"/> | Private IP address <input type="text" value="172.31.40.252"/> |
| Network interface ID <input type="text" value="eni-0d18abb7c4a8bc62e"/> | Network interface owner account ID <input type="text" value="551907497081"/> | Public DNS <input type="text" value="ec2-3-17-112-46.us-east-2.compute.amazonaws.com"/> | NAT Gateway ID - |
| Address pool <input type="text" value="Amazon"/> | | | |
| Tags (1) | | | |
| Manage tags | | | |

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<https://us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#InstanceDetailsInstanceId=i-0964fe744bb645968>

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aws Services Search [Alt+S]

New EC2 Experience Tell us what you think

EC2 Instances i-0964fe744bb645968

Instance summary for i-0964fe744bb645968 (ubuntu1) Info

Updated less than a minute ago

| | | |
|---|--|---|
| Instance ID i-0964fe744bb645968 (ubuntu1) | Public IPv4 address 3.17.112.46 (elastic-ip) [open address] | Private IPv4 addresses 172.31.40.252 |
| IPv6 address - | Instance state Running | Public IPv4 DNS ec2-3-17-112-46.us-east-2.compute.amazonaws.com [open address] |
| Hostname type IP name: ip-172-31-40-252.us-east-2.compute.internal | Private IP DNS name (IPv4 only) ip-172-31-40-252.us-east-2.compute.internal | Elastic IP addresses 3.17.112.46 (elastic-ip) [Public IP] |
| Answer private resource DNS name IPv4 (A) | Instance type t2.micro | AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. |
| Auto-assigned IP address - | VPC ID vpc-08f5e06aa53a6ca86 (VPC-1(default)) | Learn more |
| IAM Role - | Subnet ID subnet-037e3df812505ad14 (subnet-3(def)) | Auto Scaling Group name - |

Details Security Networking Storage Status checks Monitoring Tags

Instance details Info

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Amazon S3 Buckets

Account snapshot

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

Buckets (5) Info

Buckets are containers for data stored in S3. [Learn more](#)

| Name | AWS Region | Access | Creation date |
|---|---------------------------------|-------------------------------|---|
| elasticbeanstalk-us-east-1-551907497081 | US East (N. Virginia) us-east-1 | Objects can be public | February 21, 2023, 19:47:03 (UTC+05:30) |
| hero-1 | US East (N. Virginia) us-east-1 | Public | February 22, 2023, 11:49:33 (UTC+05:30) |
| th456 | US East (N. Virginia) us-east-1 | Objects can be public | February 17, 2023, 05:14:30 (UTC+05:30) |
| thubn | US East (N. Virginia) us-east-1 | Objects can be public | February 17, 2023, 05:56:02 (UTC+05:30) |
| thut | US East (N. Virginia) us-east-1 | Bucket and objects not public | February 17, 2023, 05:15:30 (UTC+05:30) |

View Storage Lens dashboard

Copy ARN Empty Delete Create bucket

Find buckets by name

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aws Services Search [Alt+S]

Screenshot of the AWS S3 Bucket creation page:

Create bucket Info
Buckets are containers for data stored in S3. [Learn more](#)

General configuration

Bucket name: Bucket name must be globally unique and must not contain spaces or uppercase letters. See rules for bucket naming.

AWS Region: US East (N. Virginia) us-east-1

Copy settings from existing bucket - optional
Only the bucket settings in the following configuration are copied.
[Choose bucket](#)

Object Ownership Info
Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

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need the s3:PutBucketOwnershipControls permission. [Learn more](#)

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 all. 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 recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit 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.

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

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Upcoming permission changes to disable any Block Public Access setting
Starting in April 2023, to disable any Block Public Access setting when creating buckets by using the S3 console, you must have the s3:PutBucketPublicAccessBlock permission. [Learn more](#)

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

Tags (0) - optional
You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

No tags associated with this bucket.
[Add tag](#)

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You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

| Key | Value - optional |
|------|------------------|
| Name | herovired |

[Add tag](#)

Default encryption [Info](#)
Server-side encryption is automatically applied to new objects stored in this bucket.

Encryption key type [Info](#)
 Amazon S3 managed keys (SSE-53)
 AWS Key Management Service key (SSE-KMS)

Bucket Key
When KMS encryption is used to encrypt new objects in this bucket, the bucket key reduces encryption costs by lowering calls to AWS KMS. [Learn more](#)
 Disable
 Enable

[▶ Advanced settings](#)

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Successfully created bucket "herovired01". To upload files and folders, or to configure additional bucket settings choose [View details](#).

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 [3](#)

AWS Marketplace for S3

Buckets (6) [Info](#)

Buckets are containers for data stored in S3. [Learn more](#)

| Name | AWS Region | Access | Creation date |
|---|---------------------------------|-------------------------------|---|
| elasticbeanstalk-us-east-1-551907497081 | US East (N. Virginia) us-east-1 | Objects can be public | February 21, 2023, 19:47:03 (UTC+05:30) |
| hero-1 | US East (N. Virginia) us-east-1 | Public | February 22, 2023, 11:49:33 (UTC+05:30) |
| herovired01 | US East (N. Virginia) us-east-1 | Objects can be public | March 5, 2023, 21:11:08 (UTC+05:30) |
| th456 | US East (N. Virginia) us-east-1 | Objects can be public | February 17, 2023, 05:14:30 (UTC+05:30) |
| thubn | US East (N. Virginia) us-east-1 | Objects can be public | February 17, 2023, 05:56:02 (UTC+05:30) |
| thut | US East (N. Virginia) us-east-1 | Bucket and objects not public | February 17, 2023, 05:15:30 (UTC+05:30) |

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Amazon S3 Services Search [Alt+S]

DynamoDB

Amazon S3 > Buckets > herovired01 > Upload

Upload [Info](#)

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders you want to upload here, or choose **Add files**, or **Add folders**.

Files and folders (1 Total, 3.3 MB)

All files and folders in this table will be uploaded.

| Name | Folder | Type | Size |
|----------------------------|--------|-----------------|--------|
| ec2_Assignment2 (1).pdf | - | application/pdf | 3.3 MB |

Destination

Destination <s3://herovired01>

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aws Services Search [Alt+S]

DynamoDB

Upload succeeded
View details below.

The information below will no longer be available after you navigate away from this page.

Summary

| Destination | Succeeded | Failed |
|------------------|--------------------------|-------------------|
| s3://herovired01 | 1 file, 3.3 MB (100.00%) | 0 files, 0 B (0%) |

Files and folders Configuration

Files and folders (1 Total, 3.3 MB)

| Name | Folder | Type | Size | Status | Error |
|-------------------------|--------|-----------------|--------|-----------|-------|
| ec2_Assignment2 (1).pdf | - | application/pdf | 3.3 MB | Succeeded | - |

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aws Services Search [Alt+S]

DynamoDB

Upload succeeded
View details below.

Upload: status

The information below will no longer be available after you navigate away from this page.

Summary

| Destination | Succeeded | Failed |
|------------------|--------------------------|-------------------|
| s3://herovired01 | 1 file, 3.3 MB (100.00%) | 0 files, 0 B (0%) |

Files and folders Configuration

Files and folders (1 Total, 3.3 MB)

| Name | Folder | Type | Size | Status | Error |
|--|--------|------|------|--------|-------|
| https://s3.console.aws.amazon.com/s3/# | | | | | |

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Successfully edited bucket policy.

Individual Block Public Access settings for this bucket

Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

[Edit](#) [Delete](#) [Copy](#)

```
[{"Version": "2012-10-17", "Id": "Policy1678031757285", "Statement": [{"Sid": "Stmt1678031751420", "Effect": "Allow", "Principal": "*", "Action": "s3:GetObject", "Resource": "arn:aws:s3:::herovired01*"}]}
```

Requester pays

When enabled, the requester pays for requests and data transfer costs, and anonymous access to this bucket is disabled. [Learn more](#)

Requester pays
Disabled

[Edit](#)

Static website hosting

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

Static website hosting
Enabled

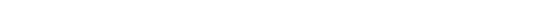
Hosting type
Bucket hosting

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://herovired01.s3-website-us-east-1.amazonaws.com>

The screenshot shows the AWS S3 console interface. The top navigation bar includes links for DevOps, herovired01, 403 Forbidden, AWS Policy, Herovired01, ec2.Assignment2, abcd.pdf, Convert, ilovepdf.com, Download, practice, and other browser tabs like Gmail, YouTube, Maps, News, and Translate. The AWS logo and Services menu are at the top left, with 'DynamoDB' selected. The top right shows user information for 'Neetipalli.Siva Ganesh'. The main content area shows the 'Amazon S3 > Buckets > herovired01' path. The bucket name 'herovired01' is displayed with an 'Info' link. A 'Publicly accessible' button is shown. Below, there are tabs for Objects (selected), Properties, Permissions, Metrics, Management, and Access Points. The 'Objects' section displays two items: 'ec2_Assignment2 (1).pdf' (Type: pdf, Last modified: March 5, 2023, Size: 3.3 MB, Storage class: Standard) and 'h2.html' (Type: html, Last modified: March 5, 2023, Size: 379.0 B, Storage class: Standard). Action buttons include Copy S3 URI, Copy URL, Download, Delete, Actions (with a dropdown arrow), Create folder, and Upload. A search bar for 'Find objects by prefix' and a 'Show versions' toggle are also present.

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