

**Launch an instance | EC2 Manager**

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

EC2 > Instances > Launch an instance

## Launch an instance Info

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 Info**

Name: ReactApp

**Application and OS Images (Amazon Machine Image) Info**

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.

**Summary**

Number of instances Info: 1

Software Image (AMI): Canonical, Ubuntu, 22.04 LTS, ... read more  
ami-0557a15bb87f6559cf

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

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

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**EC2 Management Console**

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EC2 > Instances > Launch an instance

## Launch an instance Info

Search our full catalog including 1000s of application and OS images

**Quick Start**

Amazon Linux aws, macOS, Ubuntu, Windows, Red Hat, S, ... Browse more AMIs

Amazon Machine Image (AMI)

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

ami-005f9685cb30f234b (64-bit (x86)) / ami-05a66dc4a507a82cc (64-bit (Arm))  
Virtualization: hvm ENA enabled: true Root device type: ebs

Description: Amazon Linux 2 Kernel 5.10 AMI 2.0.20230307.0 x86\_64 HVM gp2

Architecture: 64-bit (x86) AMI ID: ami-005f9685cb30f234b Verified provider

**Summary**

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ami-005f9685cb30f234b

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**Launch an instance | EC2 Manager**

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EC2 > Instances > Launch an instance

## Launch an instance Info

**Instance type Info**

t2.micro Free tier eligible

Family: t2 1 vCPU 1 GiB Memory  
On-Demand Windows pricing: 0.0162 USD per Hour  
On-Demand SUSE pricing: 0.0116 USD per Hour  
On-Demand RHEL pricing: 0.0716 USD per Hour  
On-Demand Linux pricing: 0.0116 USD per Hour

**Compare instance types**

**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: assess

**Network settings Info**

**Summary**

Number of instances Info: 1

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ami-0557a15bb87f6559cf

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Services Search [Alt+S]

aws N. Virginia Yamuna Buradakavi

**Network settings**

VPC - required Info  
vpc-03d92163561c777e8 (default)

Subnet Info  
No preference Create new subnet

Auto-assign public IP Info  
Enable

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

Security group name - required  
Reapp

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 \_-!@#\$%^&()\_

Description - required Info

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Launch instance

Launch an instance | EC2 Manager

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aws N. Virginia Yamuna Buradakavi

Inbound security groups rules

Security group rule 1 (TCP, 22, 0.0.0.0/0)  
Type Info Protocol Info Port range Info  
ssh TCP 22  
Source type Info Source Info Description - optional Info  
Anywhere Add CIDR, prefix list or security e.g. SSH for admin desktop  
0.0.0.0/0

Security group rule 2 (TCP, 443, 0.0.0.0/0)  
Type Info Protocol Info Port range Info  
HTTPS TCP 443  
Source type Info Source Info Description - optional Info  
Anywhere Add CIDR, prefix list or security e.g. SSH for admin desktop  
0.0.0.0/0

Summary

Number of instances Info  
1

Software Image (AMI)  
Canonical, Ubuntu, 22.04 LTS, ...read more  
ami-0557a15b87f6559cf

Virtual server type (instance type)  
t2.micro

Firewall (security group)  
New security group

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

Cancel Launch instance

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Launch an instance | EC2 Manager

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Security group rule 3 (TCP, 80, 0.0.0.0/0)

Type Info Protocol Info Port range Info  
HTTP TCP 80

Source type Info Source Info Description - optional Info  
Anywhere Add CIDR, prefix list or security e.g. SSH for admin desktop  
0.0.0.0/0

Security group rule 4 (All, All, 0.0.0.0/0)

Type Info Protocol Info Port range Info  
All traffic All All

Source type Info Source Info Description - optional Info  
Anywhere Add CIDR, prefix list or security e.g. SSH for admin desktop  
0.0.0.0/0

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting

Summary

Number of instances Info 1

Software Image (AMI) Canonical, Ubuntu, 22.04 LTS, ...read more ami-0557a15b87f6559ef

Virtual server type (instance type) t2.micro

Firewall (security group) New security group

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

Cancel Launch instance

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Launch an instance | EC2 Manager

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EC2 > Instances > Launch an instance

Success Successfully initiated launch of instance (i-0a94f24885c3e0263)

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

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

Connect an RDS database Configure the connection between an EC2 instance and a database to

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EC2 Management Console

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New EC2 Experience Tell us what you think

EC2 Dashboard

EC2 Global View

Events

Tags

Limits

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Scheduled Instances

Capacity Reservations

Instances (1/3) Info

Find instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
Server1	i-0b4cd33ae1d0f73ab	Terminated	t2.micro	-	No alarms	us-east-1d
React_App	i-056ce06b1d952b95a	Running	t2.micro	-	No alarms	us-east-1e

Instance: i-056ce06b1d952b95a (React\_App)

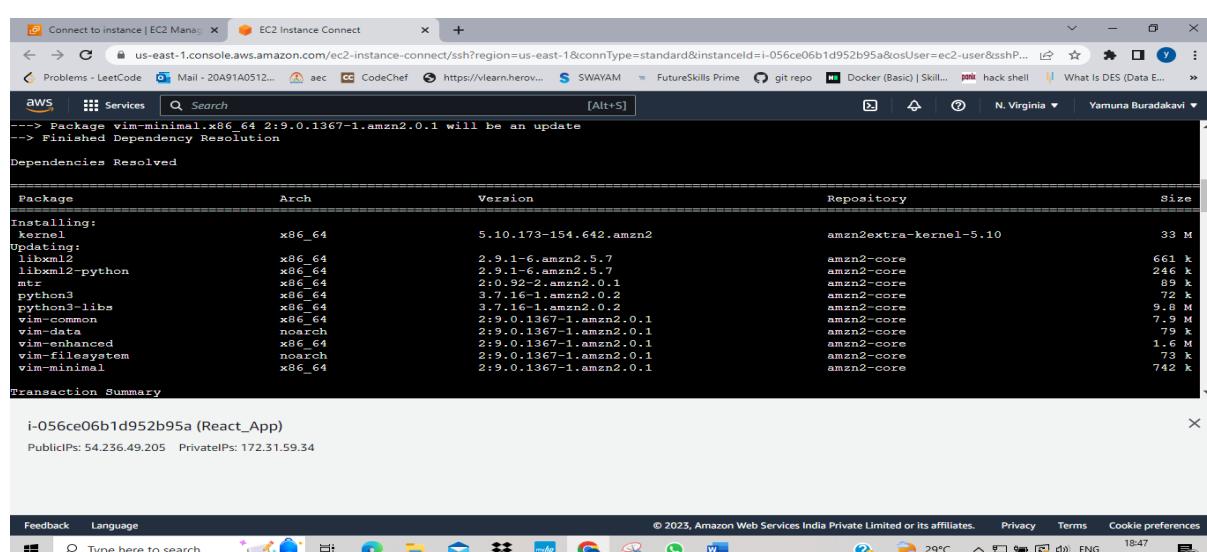
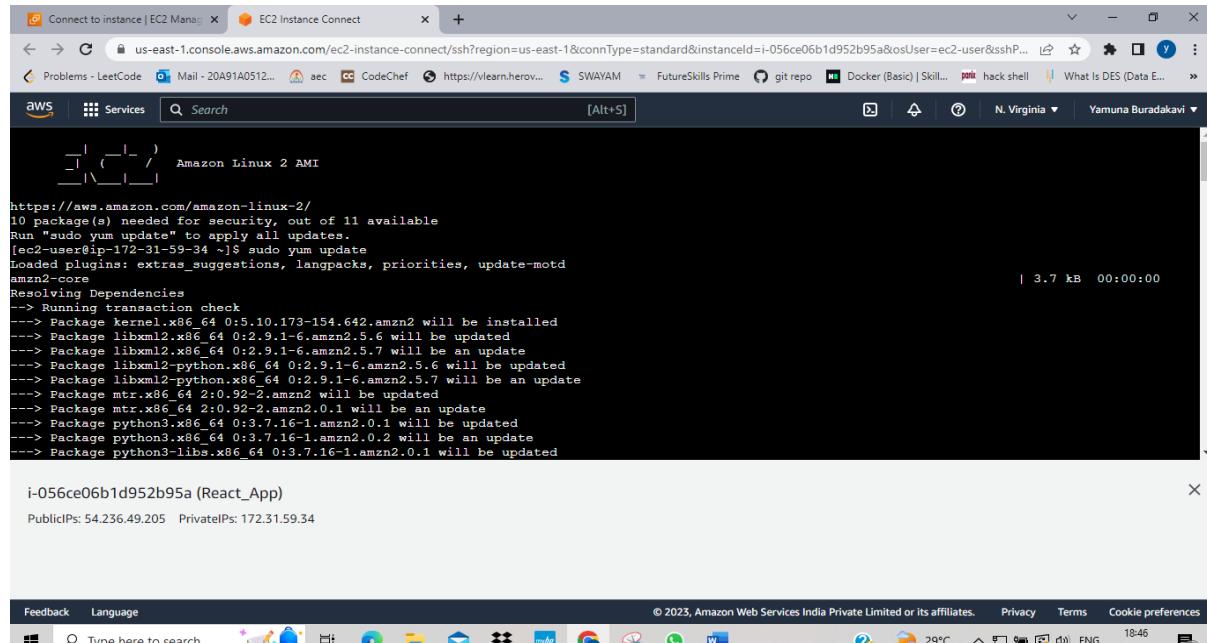
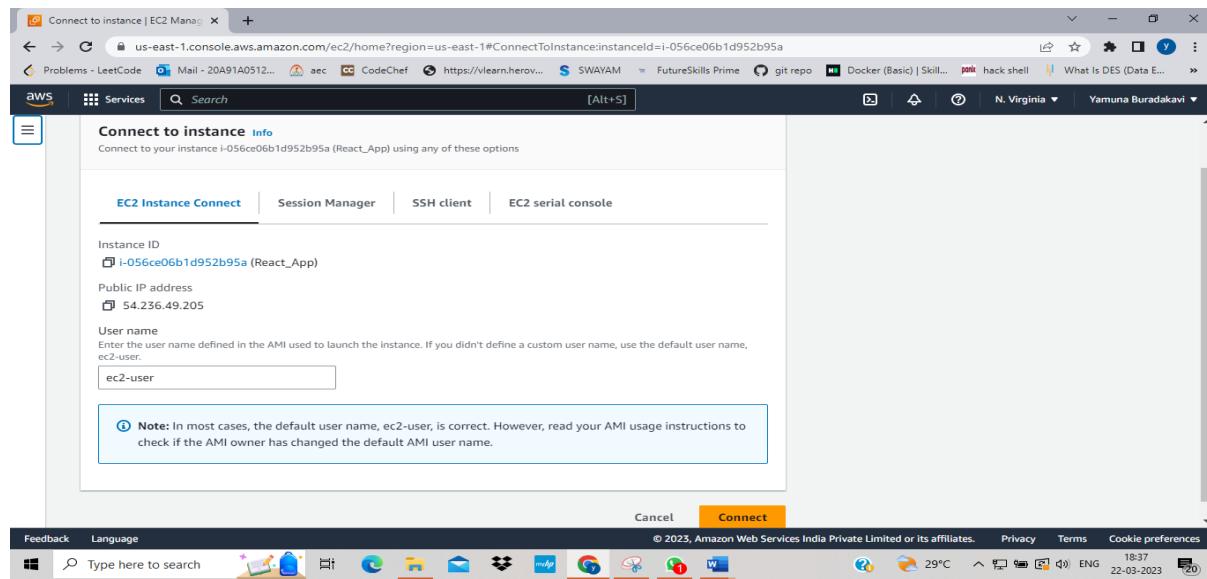
Details Security Networking Storage Status checks Monitoring Tags

Instance summary Info

Instance ID i-056ce06b1d952b95a (React_App)	Public IPv4 address 54.236.49.205   open address	Private IPv4 addresses 172.31.59.34
IPv6 address -	Instance state Pending	Public IPv4 DNS ec2-54-236-49-205.compute-1.amazonaws.com   open address
Hostname type	Private IP DNS name (IPv4 only)	

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Connect to instance | EC2 Manager EC2 Instance Connect
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-056ce06b1d952b95a&osUser=ec2-user&sshP...
Problems - LeetCode Mail - 20A91A0512... aec CC CodeChef https://vlearn.hero... SWAYAM FutureSkills Prime git repo Docker (Basic) | Skill... pow hack shell What Is DES (Data E...
aws Services Search [Alt+S]
vim-minimal x86_64 2:9.0.1367-1.amzn2.0.1 amzn2-core 742 k
Transaction Summary
Install 1 Package
Upgrade 10 Packages

Total download size: 54 M
Is this ok [y/d/N]: y
Downloading packages:
Delta RPMs disabled because /usr/bin/applydeltarpm not installed.
(1/11): libxml2-2.9.1-6.amzn2.5.7.x86_64.rpm | 661 kB 00:00:00
(2/11): libxml2-python-2.9.1-6.amzn2.5.7.x86_64.rpm | 246 kB 00:00:00
(3/11): mtr-0.92-2.amzn2.0.1.x86_64.rpm | 29 kB 00:00:00
(4/11): python3-3.7.16-1.amzn2.0.2.x86_64.rpm | 72 kB 00:00:00
(5/11): vim-common-9.0.1367-1.amzn2.0.1.x86_64.rpm | 7.9 MB 00:00:00
(6/11): python3-langs-3.7.16-1.amzn2.0.2.x86_64.rpm | 9.8 MB 00:00:00
(7/11): vim-data-9.0.1367-1.amzn2.0.1.noarch.rpm | 79 kB 00:00:00
(8/11): vim-fsfilesystem-9.0.1367-1.amzn2.0.1.noarch.rpm | 73 kB 00:00:00
(9/11): vim-enhanced-9.0.1367-1.amzn2.0.1.x86_64.rpm | 1.4 MB 00:00:00
(10/11): vim-minimal-9.0.1367-1.amzn2.0.1.x86_64.rpm | 742 kB 00:00:00
(11/11): kernel-5.10.173-154.642.amzn2.x86_64.rpm | 33 MB 00:00:00
```

i-056ce06b1d952b95a (React\_App)

PublicIPs: 54.236.49.205 PrivateIPs: 172.31.59.34



```
Connect to instance | EC2 Manager EC2 Instance Connect
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-056ce06b1d952b95a&osUser=ec2-user&sshP...
Problems - LeetCode Mail - 20A91A0512... aec CC CodeChef https://vlearn.hero... SWAYAM FutureSkills Prime git repo Docker (Basic) | Skill... pow hack shell What Is DES (Data E...
aws Services Search [Alt+S]
Total
Running transaction check
Running transaction test
transaction test succeeded
Running transaction
  Updating : 2:vim-data-9.0.1367-1.amzn2.0.1.noarch 1/21
  Updating : python3-libs-3.7.16-1.amzn2.0.2.x86_64 2/21
  Updating : libxml2-3.7.16-1.amzn2.5.7.x86_64 3/21
  Updating : libxml2-2.9.1-6.amzn2.5.7.x86_64 4/21
  Updating : 2:vim-fsfilesystem-9.0.1367-1.amzn2.0.1.noarch 5/21
  Updating : 2:vim-common-9.0.1367-1.amzn2.0.1.x86_64 6/21
  Updating : 2:vim-enhanced-9.0.1367-1.amzn2.0.1.x86_64 7/21
  Updating : libxml2-python-2.9.1-6.amzn2.5.7.x86_64 8/21
  Updating : 2:vim-minimal-9.0.1367-1.amzn2.0.1.x86_64 9/21
  Updating : 2:mtr-0.92-2.amzn2.0.1.x86_64 10/21
  Installing : kernel-5.10.173-154.642.amzn2.x86_64 11/21
  Cleanup : python3-langs-3.7.16-1.amzn2.0.1.x86_64 12/21
  Cleanup : libxml2-python-2.9.1-6.amzn2.5.6.x86_64 13/21
  Cleanup : 2:vim-enhanced-9.0.1314-1.amzn2.0.1.x86_64 14/21
  Cleanup : 2:vim-minimal-9.0.1314-1.amzn2.0.1.x86_64 15/21
  Cleanup : 2:vim-common-9.0.1314-1.amzn2.0.1.x86_64 16/21
  Cleanup : 2:vim-data-9.0.1314-1.amzn2.0.1.noarch 17/21
  Cleanup : 2:vim-fsfilesystem-9.0.1314-1.amzn2.0.1.noarch 18/21
```

i-056ce06b1d952b95a (React\_App)

PublicIPs: 54.236.49.205 PrivateIPs: 172.31.59.34



```
Connect to instance | EC2 Manager EC2 Instance Connect
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-056ce06b1d952b95a&osUser=ec2-user&sshP...
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aws Services Search [Alt+S]
Verifying : kernel-5.10.173-154.642.amzn2.x86_64 4/21
Verifying : 2:vim-enhanced-9.0.1367-1.amzn2.0.1.x86_64 5/21
Verifying : python3-langs-3.7.16-1.amzn2.0.2.x86_64 6/21
Verifying : libxml2-python-2.9.1-6.amzn2.5.7.x86_64 7/21
Verifying : 2:vim-minimal-9.0.1367-1.amzn2.0.1.x86_64 8/21
Verifying : 2:mtr-0.92-2.amzn2.0.1.x86_64 9/21
Verifying : 2:vim-data-9.0.1367-1.amzn2.0.1.noarch 10/21
Verifying : libxml2-2.9.1-6.amzn2.5.7.x86_64 11/21
Verifying : libxml2-python-2.9.1-6.amzn2.5.6.x86_64 12/21
Verifying : 2:vim-fsfilesystem-9.0.1314-1.amzn2.0.1.noarch 13/21
Verifying : 2:vim-minimal-9.0.1314-1.amzn2.0.1.x86_64 14/21
Verifying : 2:vim-common-9.0.1314-1.amzn2.0.1.x86_64 15/21
Verifying : libxml2-2.9.1-6.amzn2.5.6.x86_64 16/21
Verifying : 2:vim-enhanced-9.0.1314-1.amzn2.0.1.x86_64 17/21
Verifying : python3-langs-3.7.16-1.amzn2.0.1.x86_64 18/21
Verifying : 2:vim-data-9.0.1314-1.amzn2.0.1.noarch 19/21
Verifying : 2:mtr-0.92-2.amzn2.x86_64 20/21
Verifying : python3-3.7.16-1.amzn2.0.1.x86_64 21/21

Installed:
  kernel.x86_64 0:5.10.173-154.642.amzn2

Updated:
```

i-056ce06b1d952b95a (React\_App)

PublicIPs: 54.236.49.205 PrivateIPs: 172.31.59.34



```
Connect to instance | EC2 Manager x EC2 Instance Connect x +  
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-056ce06b1d952b95a&osUser=ec2-user&sshP...  
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AWS Services Search [Alt+S] N. Virginia Yamuna Buradavki  
  
Updated:  
libxml2.x86_64 0:2.9.1-6.amzn2.5.7 libxml2-python.x86_64 0:2.9.1-6.amzn2.5.7 mtr.x86_64 2:0.92-2.amzn2.0.1  
python3.x86_64 0:3.7.16-1.amzn2.0.2 python3-langs.x86_64 0:3.7.16-1.amzn2.0.2 vim-common.x86_64 2:9.0.1367-1.amzn2.0.1  
vim-data.nocarch 2:9.0.1367-1.amzn2.0.1 vim-enhanced.x86_64 2:9.0.1367-1.amzn2.0.1 vim-filesystem.nocarch 2:9.0.1367-1.amzn2.0.1  
vim-minimal.x86_64 2:9.0.1367-1.amzn2.0.1  
  
Complete!  
[ec2-user@ip-172-31-59-34 ~]$ sudo yum install nodejs  
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd  
No package nodejs available.  
Error: Nothing to do  
[ec2-user@ip-172-31-59-34 ~]$ sudo yum install node.js  
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd  
No package node.js available.  
Error: Nothing to do  
[ec2-user@ip-172-31-59-34 ~]$ sudo yum install node.js  
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd  
No package node.js available.  
Resolving Dependencies  
--> Running transaction check  
--> Package js.x86_64 1:1.8.5-20.amzn2 will be installed  
--> Finished Dependency Resolution  
  
i-056ce06b1d952b95a (React_App)  
Public IPs: 54.236.49.205 Private IPs: 172.31.59.34
```

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Connect to instance | EC2 Manager EC2 Instance Connect
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-056ce06b1d952b95a&osUser=ec2-user&sshP...
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Services Search [Alt+S]
aws N. Virginia Yamuna Buradavki
--> Package js.x86_64 1:1.8.5-20.amzn2 will be installed
--> Finished Dependency Resolution
Dependencies Resolved

Package Arch Version Repository Size
Installing:
js x86_64 1:1.8.5-20.amzn2 amzn2-core 2.4 M
Transaction Summary
Install 1 Package

Total download size: 2.4 M
Installed size: 7.0 M
Is this ok [y/d/N]: y
Downloading packages:
js-1.8.5-20.amzn2.x86_64.rpm | 2.4 MB 00:00:00
Running transaction check
Running transaction test
Transaction test succeeded

i-056ce06b1d952b95a (React_App)
Public IPs: 54.236.49.205 Private IPs: 172.31.59.34
```

```
[ec2-user@ip-172-31-59-34 ~]$ sudo yum install --list
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Usage: yum [options] COMMAND

List of Commands:

check           Check for problems in the rpmdb
check-update    Check for available package updates
clean           Remove cached data
depplist        List a package's dependencies
distribution-synchronization Synchronize installed packages to the latest available versions
downgrade      downgrade a package
erase          Remove a package or packages from your system
fs              Action on the filesystem data of the host, mainly for removing docs/languages for minimal hosts.
fsnapshot       Creates filesystem snapshots or lists/deletes current snapshots.
groups          Display, or use, the groups information
help            Display a helpful usage message
history         Display, or use, the transaction history
info            Display details about a package or group of packages
install         Install package or packages on your system
langavailable   Check available languages
langinfo        List languages information
langinstall     Install appropriate language packs for a language
```

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```
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us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-056ce06b1d952b95a&osUser=ec2-user&sshP...
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aws Services Search [Alt+S]
langinfo List languages information
langinstall Install appropriate language packs for a language
langlist List installed languages
langremove Remove installed language packs for a language
list List a package or groups of packages
load-transaction load a saved transaction from filename
makecache Generate the metadata cache
provides Find what package provides the given value
reinstall reinstall a package
repo-pkgs Treat a repo. as a group of packages, so we can install/remove all of them
repolist Display the configured software repositories
search Search package details for the given string
shell Run an interactive yum shell
swap Simple way to swap packages, instead of using shell
update Update a package or packages on your system
update-minimal Looks like upgrade, but goes to the 'newest' package match which fixes a problem that affects your system
updateinfo Action taken regarding update information
upgrade Update packages taking obsoletes into account
version Display a version for the machine and/or available repos.

Command line error: no such option: --lts
[ec2-user@ip-172-31-59-34 ~]$
```

i-056ce06b1d952b95a (React\_App)

PublicIPs: 54.236.49.205 PrivateIPs: 172.31.59.34



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Connect to instance | EC2 Manager EC2 Instance Connect
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-056ce06b1d952b95a&osUser=ec2-user&sshP...
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aws Services Search [Alt+S]
Command line error: no such option: --lts
[ec2-user@ip-172-31-59-34 ~]$ curl -o https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.3/install.sh | bash
% Total % Received % Xferd Average Speed Time Time Current
          Dload Upload Total Spent Left Speed
100 15916 100 15916    0     0  676k      0 --:--:--:--:--:-- 706k
=> Downloading nvm as script to '/home/ec2-user/.nvm'
=> Appending nvm source string to /home/ec2-user/.bashrc
=> Appending bash_completion source string to /home/ec2-user/.bashrc
=> Close and reopen your terminal to start using nvm or run the following to use it now:

export NVM_DIR="$HOME/.nvm"
[ -s "$NVM_DIR/nvm.sh" ] && . "$NVM_DIR/nvm.sh" # This loads nvm
[ -s "$NVM_DIR/bash_completion" ] && . "$NVM_DIR/bash_completion" # This loads nvm bash_completion
[ec2-user@ip-172-31-59-34 ~]$ ./.nvm/nvm.sh
[ec2-user@ip-172-31-59-34 ~]$ nvm install --lts
Installing latest LTS version.
Downloading and installing node v18.15.0...
Downloading https://nodejs.org/dist/v18.15.0/node-v18.15.0-linux-x64.tar.xz...
Computing checksum with sha256sum
Checksums matched!
Now using node v18.15.0 (npm v
```

i-056ce06b1d952b95a (React\_App)

PublicIPs: 54.236.49.205 PrivateIPs: 172.31.59.34



```
Connect to instance | EC2 Manager EC2 Instance Connect
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-056ce06b1d952b95a&osUser=ec2-user&sshP...
Problems - LeetCode Mail - 20A91A0512... aec CC CodeChef https://vlearn.hero... SWAYAM FutureSkills Prime git repo Docker (Basic) | Skill... pwn hack shell What Is DES (Data E...
aws Services Search [Alt+S]
=> Close and reopen your terminal to start using nvm or run the following to use it now:

export NVM_DIR="$HOME/.nvm"
[ -s "$NVM_DIR/nvm.sh" ] && . "$NVM_DIR/nvm.sh" # This loads nvm
[ -s "$NVM_DIR/bash_completion" ] && . "$NVM_DIR/bash_completion" # This loads nvm bash_completion
[ec2-user@ip-172-31-59-34 ~]$ ./.nvm/nvm.sh
[ec2-user@ip-172-31-59-34 ~]$ nvm install --lts
Installing latest LTS version.
Downloading and installing node v18.15.0...
Downloading https://nodejs.org/dist/v18.15.0/node-v18.15.0-linux-x64.tar.xz...
Computing checksum with sha256sum
Checksums matched!
Now using node v18.15.0 (npm v
[ec2-user@ip-172-31-59-34 ~]$ nvm install 16
[ec2-user@ip-172-31-59-34 ~]$ nvm install 16
Downloading and installing node v16.19.1...
Downloading https://nodejs.org/dist/v16.19.1/node-v16.19.1-linux-x64.tar.xz...
Computing checksum with sha256sum
Checksums matched!
Now using node v16.19.1 (npm v8.19.3)
[ec2-user@ip-172-31-59-34 ~]$
```

i-056ce06b1d952b95a (React\_App)

PublicIPs: 54.236.49.205 PrivateIPs: 172.31.59.34



```
[ec2-user@ip-172-31-59-34 ~]$ node --version
v16.19.1
[ec2-user@ip-172-31-59-34 ~]$ npx create-react-app my-app
Need to install the following packages:
  create-react-app@5.0.1
Ok to proceed? (y) y
npm WARN deprecated tar@2.2.2: This version of tar is no longer supported, and will not receive security updates. Please upgrade asap.
Creating a new React app in /home/ec2-user/my-app.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

added 1419 packages in 59s

231 packages are looking for funding
  run 'npm fund' for details
Git repo not initialized Error: Command failed: git --version
  at checkExecSyncError (node:child_process:861:11)
  at execSync (node:child_process:932:15)
  at tryGitInit (/home/ec2-user/my-app/node_modules/react-scripts/scripts/init.js:46:5)
  at module.exports (/home/ec2-user/my-app/node_modules/react-scripts/scripts/init.js:276:7)

i-056ce06b1d952b95a (React_App)
PublicIPs: 54.236.49.205 PrivateIPs: 172.31.59.34
```



```
stdout: null,
stderr: null
)

Installing template dependencies using npm...
added 62 packages, and changed 1 package in 8s

231 packages are looking for funding
  run 'npm fund' for details
Removing template package using npm...

removed 1 package, and audited 1481 packages in 4s
231 packages are looking for funding
  run 'npm fund' for details
6 high severity vulnerabilities
To address all issues (including breaking changes), run:
  npm audit fix --force

i-056ce06b1d952b95a (React_App)
PublicIPs: 54.236.49.205 PrivateIPs: 172.31.59.34
```



```
npm run build
  Bundles the app into static files for production.

npm test
  Starts the test runner.

npm run eject
  Removes this tool and copies build dependencies, configuration files
  and scripts into the app directory. If you do this, you can't go back!

We suggest that you begin by typing:

  cd my-app
  npm start

Happy hacking!
npm notice New major version of npm available! 8.19.3 => 9.6.2
npm notice Changelog: https://github.com/npm/cli/releases/tag/v9.6.2
npm notice Run npm install -g npm@9.6.2 to update!
npm notice
[ec2-user@ip-172-31-59-34 ~]$
```

```
i-056ce06b1d952b95a (React_App)
PublicIPs: 54.236.49.205 PrivateIPs: 172.31.59.34
```



```
[ec2-user@ip-172-31-59-34 ~]$ sudo yum install git
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
Resolving Dependencies
--> Running transaction check
--> Package git.x86_64 0:2.39.2-1.amzn2.0.1 will be installed
--> Package perl-Git = 2.39.2-1.amzn2.0.1 for package: git=2.39.2-1.amzn2.0.1.x86_64
--> Processing Dependency: git-core-doc = 2.39.2-1.amzn2.0.1 for package: git=2.39.2-1.amzn2.0.1.x86_64
--> Processing Dependency: git-core = 2.39.2-1.amzn2.0.1 for package: git=2.39.2-1.amzn2.0.1.x86_64
--> Processing Dependency: perl-TermReadKey for package: git=2.39.2-1.amzn2.0.1.x86_64
--> Processing Dependency: perl(Git::I18N) for package: git=2.39.2-1.amzn2.0.1.x86_64
--> Processing Dependency: perl(Git) for package: git=2.39.2-1.amzn2.0.1.x86_64
--> Running transaction check
--> Package git-core.x86_64 0:2.39.2-1.amzn2.0.1 will be installed
--> Package git-core-doc.noarch 0:2.39.2-1.amzn2.0.1 will be installed
--> Package perl-Git.noarch 0:2.39.2-1.amzn2.0.1 will be installed
--> Processing Dependency: perl(Error) for package: perl-Git=2.39.2-1.amzn2.0.1.noarch
--> Package perl-TermReadKey.x86_64 0:2.30-20.amzn2.0.2 will be installed
--> Running transaction check
--> Package perl-Error.noarch 1:0.17020-2.amzn2 will be installed
--> Finished Dependency Resolution
```

i-056ce06b1d952b95a (React\_App)

PublicIPs: 54.236.49.205 PrivateIPs: 172.31.59.34

```
Running transaction
Installing : git-core-2.39.2-1.amzn2.0.1.x86_64 1/6
Installing : git-core-doc-2.39.2-1.amzn2.0.1.noarch 2/6
Installing : perl-Error-0.17020-2.amzn2.noarch 3/6
Installing : perl-TermReadKey-2.30-20.amzn2.0.2.x86_64 4/6
Installing : perl-Git-2.39.2-1.amzn2.0.1.noarch 5/6
Installing : git-2.39.2-1.amzn2.0.1.x86_64 6/6
Verifying : perl-TermReadKey-2.30-20.amzn2.0.2.x86_64 1/6
Verifying : perl-Git-2.39.2-1.amzn2.0.1.noarch 2/6
Verifying : git-core-doc-2.39.2-1.amzn2.0.1.noarch 3/6
Verifying : git-core-2.39.2-1.amzn2.0.1.x86_64 4/6
Verifying : perl-Error-0.17020-2.amzn2.noarch 5/6
Verifying : git-2.39.2-1.amzn2.0.1.x86_64 6/6

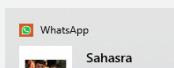
Installed:
git.x86_64 0:2.39.2-1.amzn2.0.1

Dependency Installed:
git.core.x86_64 0:2.39.2-1.amzn2.0.1           git.core-doc.noarch 0:2.39.2-1.amzn2.0.1           perl.Error.noarch 1:0.17020-2.amzn2
perl.Git.noarch 0:2.39.2-1.amzn2.0.1             perl.TermReadKey.x86_64 0:2.30-20.amzn2.0.2

Complete!
[ec2-user@ip-172-31-59-34 ~]$
```

i-056ce06b1d952b95a (React\_App)

PublicIPs: 54.236.49.205 PrivateIPs: 172.31.59.34



```
Verifying : perl-Git-2.39.2-1.amzn2.0.1.noarch 2/6
Verifying : git-core-doc-2.39.2-1.amzn2.0.1.noarch 3/6
Verifying : git-core-2.39.2-1.amzn2.0.1.x86_64 4/6
Verifying : perl-Error-0.17020-2.amzn2.noarch 5/6
Verifying : git-2.39.2-1.amzn2.0.1.x86_64 6/6

Installed:
git.x86_64 0:2.39.2-1.amzn2.0.1

Dependency Installed:
git.core.x86_64 0:2.39.2-1.amzn2.0.1           git.core-doc.noarch 0:2.39.2-1.amzn2.0.1           perl.Error.noarch 1:0.17020-2.amzn2
perl.Git.noarch 0:2.39.2-1.amzn2.0.1             perl.TermReadKey.x86_64 0:2.30-20.amzn2.0.2

Complete!
[ec2-user@ip-172-31-59-34 ~]$ git clone https://github.com/snehal-herovired/Devops_Batch_Aditya
Cloning into 'Devops_Batch_Aditya'...
remote: Enumerating objects: 5485, done.
remote: Total 5485 (delta 0), reused 0 (delta 0), pack-reused 5485
Receiving objects: 100% (5485/5485), 452.67 MiB | 30.29 MiB/s, done.
Resolving deltas: 100% (736/736), done.
[ec2-user@ip-172-31-59-34 ~]$ ls
Devops_Batch_Aditya my_app
[ec2-user@ip-172-31-59-34 ~]$
```

i-056ce06b1d952b95a (React\_App)

PublicIPs: 54.236.49.205 PrivateIPs: 172.31.59.34



```
Connect to instance | EC2 Manager EC2 Instance Connect
aws Services Search [Alt+S]
Installed:
git.x86_64 0:2.39.2-1.amzn2.0.1
Dependency Installed:
git-core.x86_64 0:2.39.2-1.amzn2.0.1
perl-Git.noarch 0:2.39.2-1.amzn2.0.1
Complete!
[ec2-user@ip-172-31-59-34 ~]$ git clone https://github.com/snehal-herovired/Devops_Batch_Aditya
Cloning into 'Devops_Batch_Aditya'...
remote: Enumerating objects: 5485, done.
remote: Total 5485 (delta 0), reused 0 (delta 0), pack-reused 5485
Resolving deltas: 100% (736/736), 452.67 MiB / 30.29 MiB/s, done.
Resolving deltas: 100% (736/736), done.
[ec2-user@ip-172-31-59-34 ~]$ ls
Devops Batch Aditya my-app
[ec2-user@ip-172-31-59-34 ~]$ cd Devops_Batch_Aditya
[ec2-user@ip-172-31-59-34 Devops_Batch_Aditya]$ ls
amazonreact Cloud introduction.txt Git and github.txt LearningGIT
Amazon static webpage DockerDesktop.png github.png linuxCommand.txt pythonflask virtualization_linux.txt
ci_cd bash_cron.png Docker.png Jenkins.png New Text Document.txt sample.py virtualization.png
cloud_computing.png Docker.txt learning.txt nodejs Untitled.png
[ec2-user@ip-172-31-59-34 Devops_Batch_Aditya]$ ls
amazonreact Cloud introduction.txt Git and github.txt LearningGIT
Amazon static webpage DockerDesktop.png github.png linuxCommand.txt pythonflask virtualization_linux.txt
ci_cd bash_cron.png Docker.png Jenkins.png New Text Document.txt sample.py virtualization.png
cloud_computing.png Docker.txt learning.txt nodejs Untitled.png
[ec2-user@ip-172-31-59-34 Devops_Batch_Aditya]$ i-056ce06b1d952b95a (React_App)
PublicIPs: 54.236.49.205 PrivateIPs: 172.31.59.34
```

```
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Type here to search 29°C 19:01 ENG 22-03-2023
Connect to instance | EC2 Manager EC2 Instance Connect
aws Services Search [Alt+S]
[ec2-user@ip-172-31-59-34 ~]$ cd Devops_Batch_Aditya
[ec2-user@ip-172-31-59-34 Devops_Batch_Aditya]$ ls
amazonreact Cloud introduction.txt Git and github.txt LearningGIT
Amazon static webpage DockerDesktop.png github.png linuxCommand.txt pythonflask virtualization_linux.txt
ci_cd bash_cron.png Docker.png Jenkins.png New Text Document.txt sample.py virtualization.png
cloud_computing.png Docker.txt learning.txt nodejs Untitled.png
[ec2-user@ip-172-31-59-34 Devops_Batch_Aditya]$ cd amazonreact
[ec2-user@ip-172-31-59-34 amazonreact]$ ls
package.json package-lock.json public README.md src
[ec2-user@ip-172-31-59-34 amazonreact]$ npm run build
> amazonreact@0.1.0 build
> react-scripts build

sh: react-scripts: command not found
[ec2-user@ip-172-31-59-34 amazonreact]$ npm install
npm WARN old lockfile The package-lock.json file was created with an old version of npm,
npm WARN old lockfile so supplemental metadata must be fetched from the registry.
npm WARN old lockfile This is a one-time fix-up, please be patient...
npm WARN old lockfile
(   ) ^ idealTree.inflate:@node_modules/@babel/eslint-parser/node_modules/eslint-visitor-keys: will inflate node_modules/@babel/eslint-visitor-keys

i-056ce06b1d952b95a (React_App)
PublicIPs: 54.236.49.205 PrivateIPs: 172.31.59.34
```

```
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Type here to search 29°C 19:02 ENG 22-03-2023
Connect to instance | EC2 Manager EC2 Instance Connect
aws Services Search [Alt+S]
[ec2-user@ip-172-31-59-34 Devops_Batch_Aditya]$ cd amazonreact
[ec2-user@ip-172-31-59-34 amazonreact]$ ls
package.json package-lock.json public README.md src
[ec2-user@ip-172-31-59-34 amazonreact]$ npm run build
> amazonreact@0.1.0 build
> react-scripts build

sh: react-scripts: command not found
[ec2-user@ip-172-31-59-34 amazonreact]$ npm install
npm WARN old lockfile The package-lock.json file was created with an old version of npm,
npm WARN old lockfile so supplemental metadata must be fetched from the registry.
npm WARN old lockfile This is a one-time fix-up, please be patient...
npm WARN old lockfile
npm WARN deprecated stable@0.1.8: Modern JS already guarantees Array#sort() is a stable sort, so this library is deprecated. See the compatibility table on MDN: https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/sort#browser_compatibility
npm WARN deprecated rollup-plugin-terser@7.0.2: This package has been deprecated and is no longer maintained. Please use @rollup/plugin-terser
npm WARN deprecated w3c-hr-time@1.0.2: Use your platform's native performance.now() and performance.timeOrigin.
npm WARN deprecated sourcemap-codec@1.4.8: Please use @jridgewell/sourcemap-codec instead
npm WARN deprecated svgo@1.3.2: This SVGO version is no longer supported. Upgrade to v2.x.x.
(   ) ^ reifyAutoprefixer: timing reifyNode:node_modules/istanbul-reports Completed in 16863ms

i-056ce06b1d952b95a (React_App)
PublicIPs: 54.236.49.205 PrivateIPs: 172.31.59.34
```

Connect to instance | EC2 Manager | EC2 Instance Connect

```

npm WARN deprecated sourcemap-codec@1.4.8: Please use @jridgewell/sourcemap-codec instead
npm WARN deprecated svgo@1.3.2: This SVGO version is no longer supported. Upgrade to v2.x.x.

added 1469 packages, and audited 1470 packages in 1m

226 packages are looking for funding
  run 'npm fund' for details

8 high severity vulnerabilities

To address issues that do not require attention, run:
  npm audit fix

To address all issues (including breaking changes), run:
  npm audit fix --force

Run 'npm audit' for details.
[ec2-user@ip-172-31-59-34 amazonreact]$ npm run build
> amazonreact@0.1.0 build
> react-scripts build

```

i-056ce06b1d952b95a (React\_App)

PublicIPs: 54.236.49.205 PrivateIPs: 172.31.59.34

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Connect to instance | EC2 Manager | EC2 Instance Connect

```

Compiled with warnings.

[eslint]
src/components/Subheader/Subheader.js
  Line 11:9:  'hoverstyle' is assigned a value but never used      no-unused-vars
  Line 15:11: 'handleHoverin' is assigned a value but never used  no-unused-vars
  Line 18:11: 'handleHoverout' is assigned a value but never used no-unused-vars

Search for the keywords to learn more about each warning.
To ignore, add // eslint-disable-next-line to the line before.

WARNING in [eslint]
src/components/Subheader/Subheader.js
  Line 11:9:  'hoverstyle' is assigned a value but never used      no-unused-vars
  Line 15:11: 'handleHoverin' is assigned a value but never used  no-unused-vars
  Line 18:11: 'handleHoverout' is assigned a value but never used no-unused-vars

webpack compiled with 1 warning
[]


```

i-056ce06b1d952b95a (React\_App)

PublicIPs: 54.236.49.205 PrivateIPs: 172.31.59.34

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Connect to instance | EC2 Manager | EC2 Instance Connect

Not secure | 54.236.49.205:3000

amazon Deliver to India

Today's Deals Customer Service Registry Gift Cards

iPhone 9	iPhone X	Samsung Universe 9	OPPO F19	Huawei P30	MacBook Pro
Samsung Galaxy Book	Microsoft Surface Laptop 4	Infinix INBOOK	HP Pavilion 15-DK1056WM	perfume Oil	Brown Perfume

Type here to search

# Cloud Monitoring:

The screenshot shows the AWS EC2 Management Console interface. On the left, there's a sidebar with various navigation options like EC2 Dashboard, Instances, and Monitoring. The main area displays a table of instances. One instance is selected, labeled 'React\_App' with Instance ID i-056ce06b1d952b95a. It is shown as 'Running' in the 'Instance state' column. The 'Monitoring' tab is selected in the instance details panel. The public IP address is listed as 54.236.49.205.

This screenshot shows the same EC2 instance details as the previous one, but with a focus on the 'Actions' dropdown menu. The 'Monitor and troubleshoot' option is highlighted, suggesting it is the active feature being used for monitoring the instance.

The screenshot shows the AWS EC2 Management Console with the 'Instances' page open. A modal dialog box titled 'Detailed monitoring' is displayed over the main content. The dialog contains the following text:  
After you enable detailed monitoring for an instance, monitoring data is available in 1-minute periods. [Learn more](#)  
Instance ID: i-056ce06b1d952b95a (React\_App)  
Detailed monitoring:  Enable  
A callout box highlights the message: After you enable detailed monitoring, the Amazon EC2 console displays monitoring graphs with a 1-minute period for the instance. Additional charges apply.

The screenshot shows the AWS EC2 Management Console with the 'Instances' page open. A green success message at the top states: Successfully enabled detailed monitoring for instance i-056ce06b1d952b95a. The main table now includes a new column for 'Status check' which shows '2/2 checks passed'. The 'Manage detailed monitoring' button is visible above the monitoring charts. The monitoring charts show data for CPU utilization (%) and status checks across four categories: any instance, individual instance, and system.