



AWS Training on Data Analytics Services

[Chennai], [01.08.2024]

AGENDA



- ✓ **Introduction and Foundational Services**
- ✓ **Aws Identity and Access Management (IAM)**
- ✓ **Aws EC2 and VPC**
- ✓ **AWS Storage Services**
- ✓ **Data Ingestion and Storage**
- ✓ **Data Processing and Analytics**
- ✓ **AWS Glue and Data Catalog**
- ✓ **AWS Lambda and Serverless Data Processing**
- ✓ **Introduction to AWS Machine Learning Services**



WHY CLOUD COMPUTING?

Hi Naveen,I'm about to start a company. Can you list down the resources. I will need to setup on-premise infrastructure.



On-Premise



CONT. .



Hi Naveen,I,m about to start a company. Can you list down the resources. I will need to setup on-premise infrastructure.

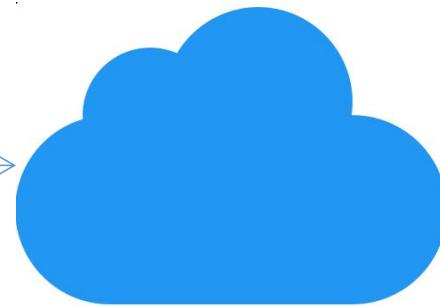
But why don't you set things up on the cloud?



On-Premise



Cloud computing



DIFFERENCE BETWEEN ON-PREMISES AND ON CLOUD



	On Premises	On Cloud
1.	Control of user is more.	Control of user is less as third parties are involved.
2.	Infrastructure is not easy to scale.	Infrastructure is easy to scale.
3.	Internet connectivity is not need all the time.	Internet is must for the services of the cloud.
4.	These services run within the enterprise only.	The services of cloud depends on the third parties so these are not only accessed within the enterprise.
5.	Lack of Flexibility	High Flexibility
6.	Not available on a subscription basis.	Services are available for purchase.
7.	For hardware and software updates, enterprise is responsible.	For hardware and software updates, third party is responsible.
8.	Cost is fixed.	Cost is not fixed, as additional services comes with additional charges.

CONT. .



	On Premises	On Cloud
9	Lack of Flexibility	High Flexibility
10	No Automatic Update	Automatic software Update
11	Less Collaboration	Teams can collaborate from widespread locations
12	Takes longer implementation time	Rapid Implementation
13	Data cannot be accessed remotely	Data can be accessed and shared anywhere over the internet.



Wow, Cloud Computing is better than on-premise



On-Premise



Cloud computing



Yes



WHAT IS CLOUD COMPUTING?

- Cloud computing is the delivery of on-demand computing services over the internet on a **pay-as you-go basis**.
- Rather than managing files on a local storage device, cloud computing makes it possible to save them over internet.



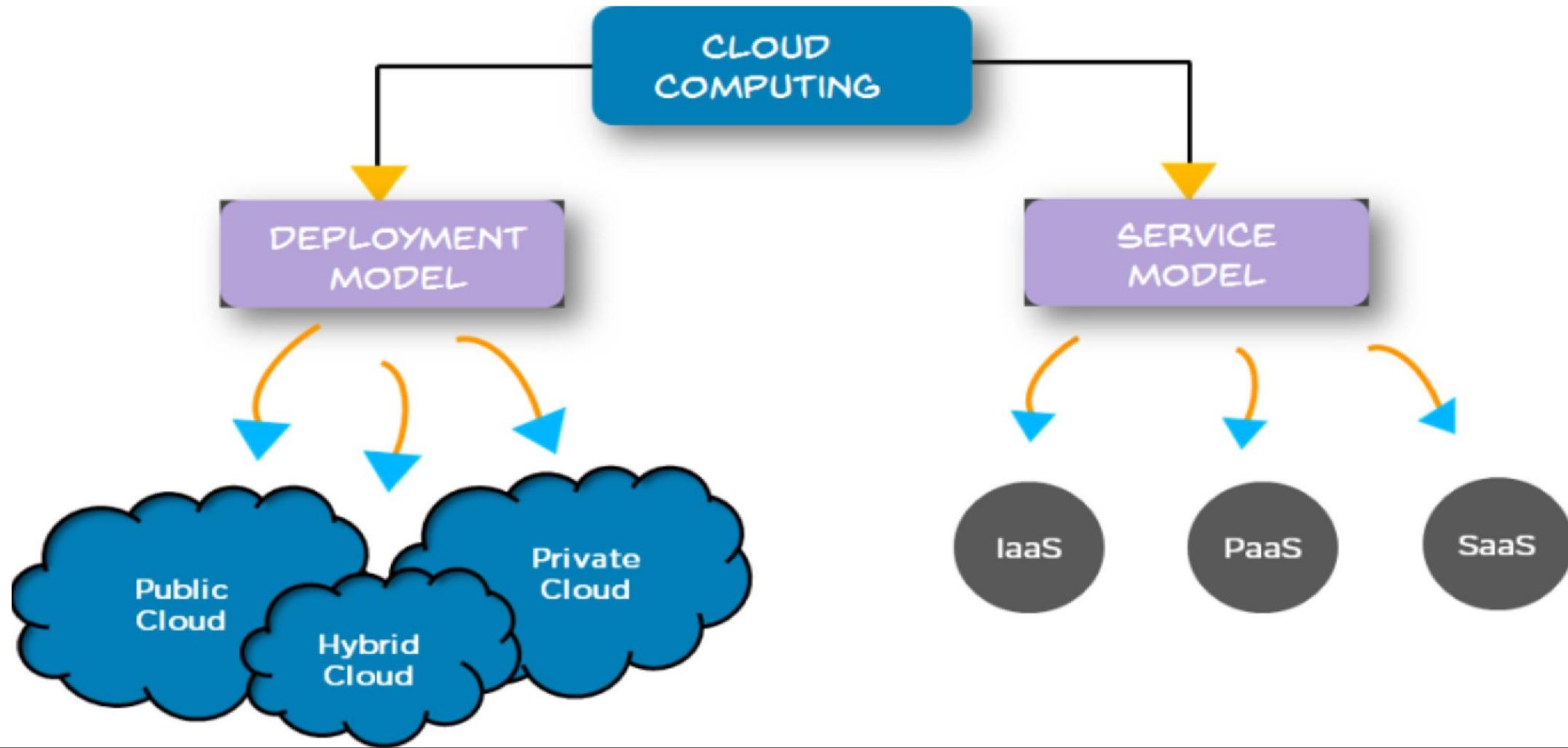


EXAMPLE: IOT CLOUD COMPUTING

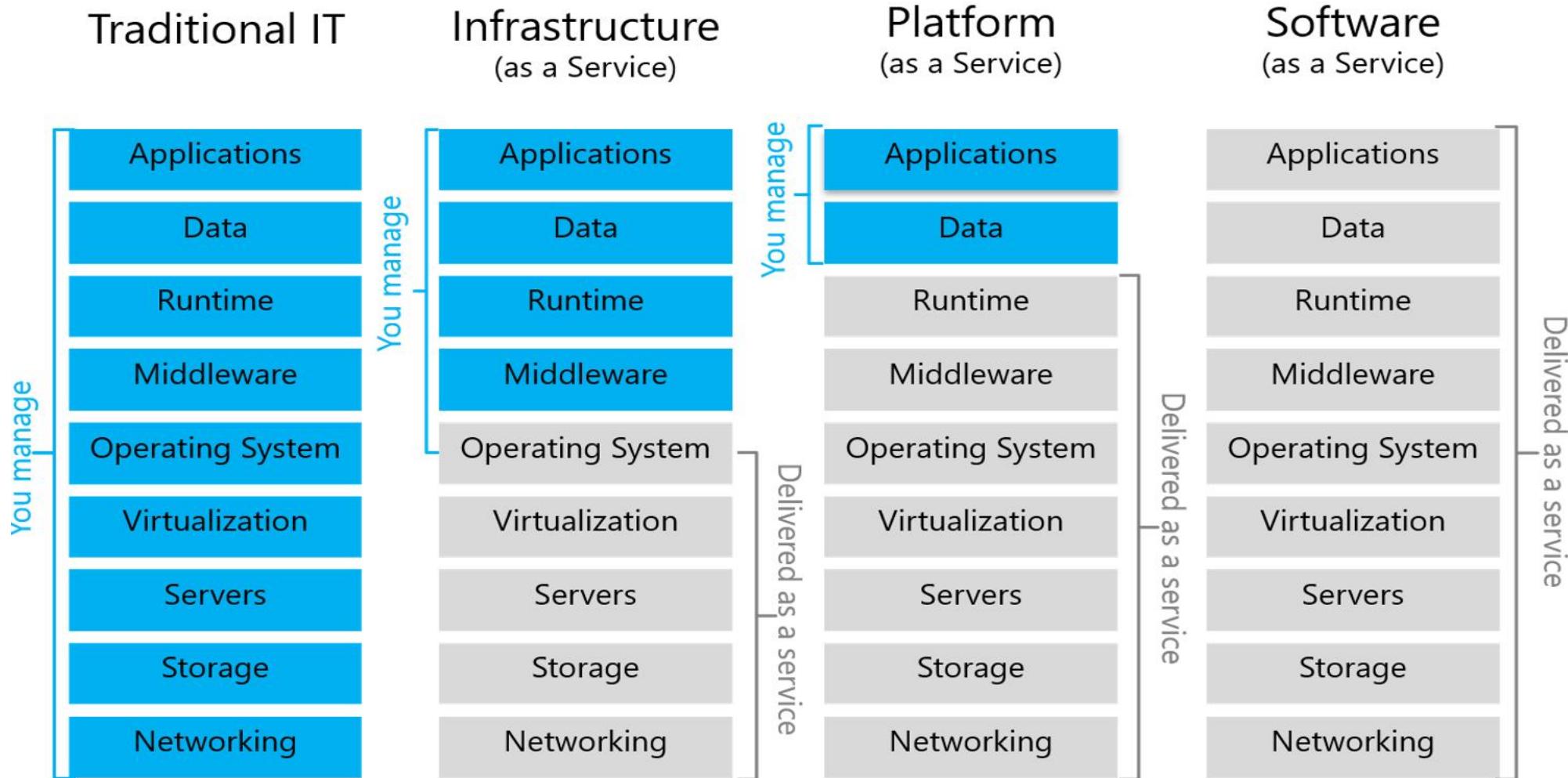




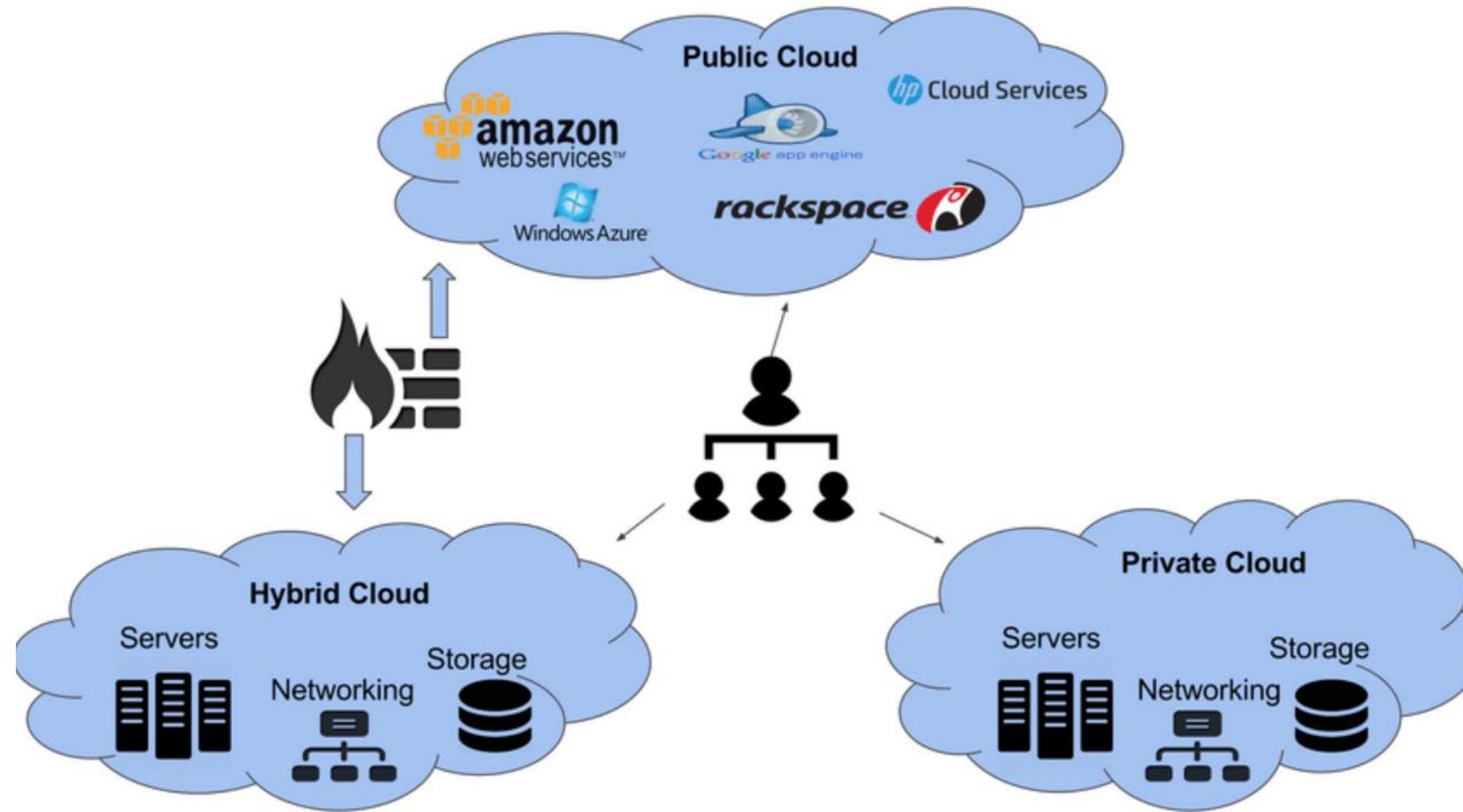
TYPES OF CLOUD COMPUTING



CLOUD SERVICE MODELS



CLOUD DEPLOYMENT MODELS



CLOUD PROVIDERS



ORACLE
CLOUD INFRASTRUCTURE



IBM Cloud



DigitalOcean

 **Alibaba Cloud**

 **salesforce**

 **Microsoft Azure**



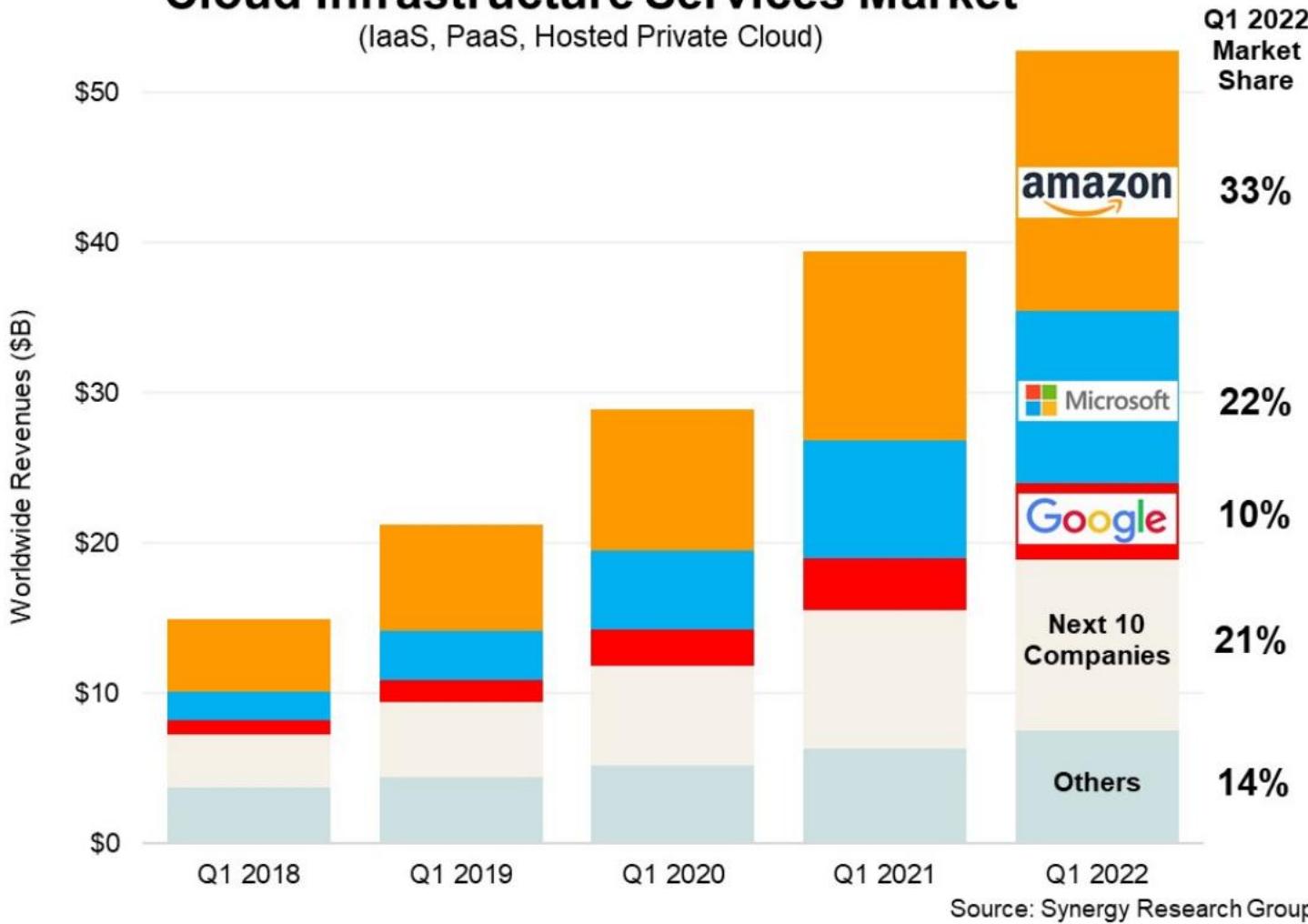
Google Cloud Platform

CLOUD PROVIDERS

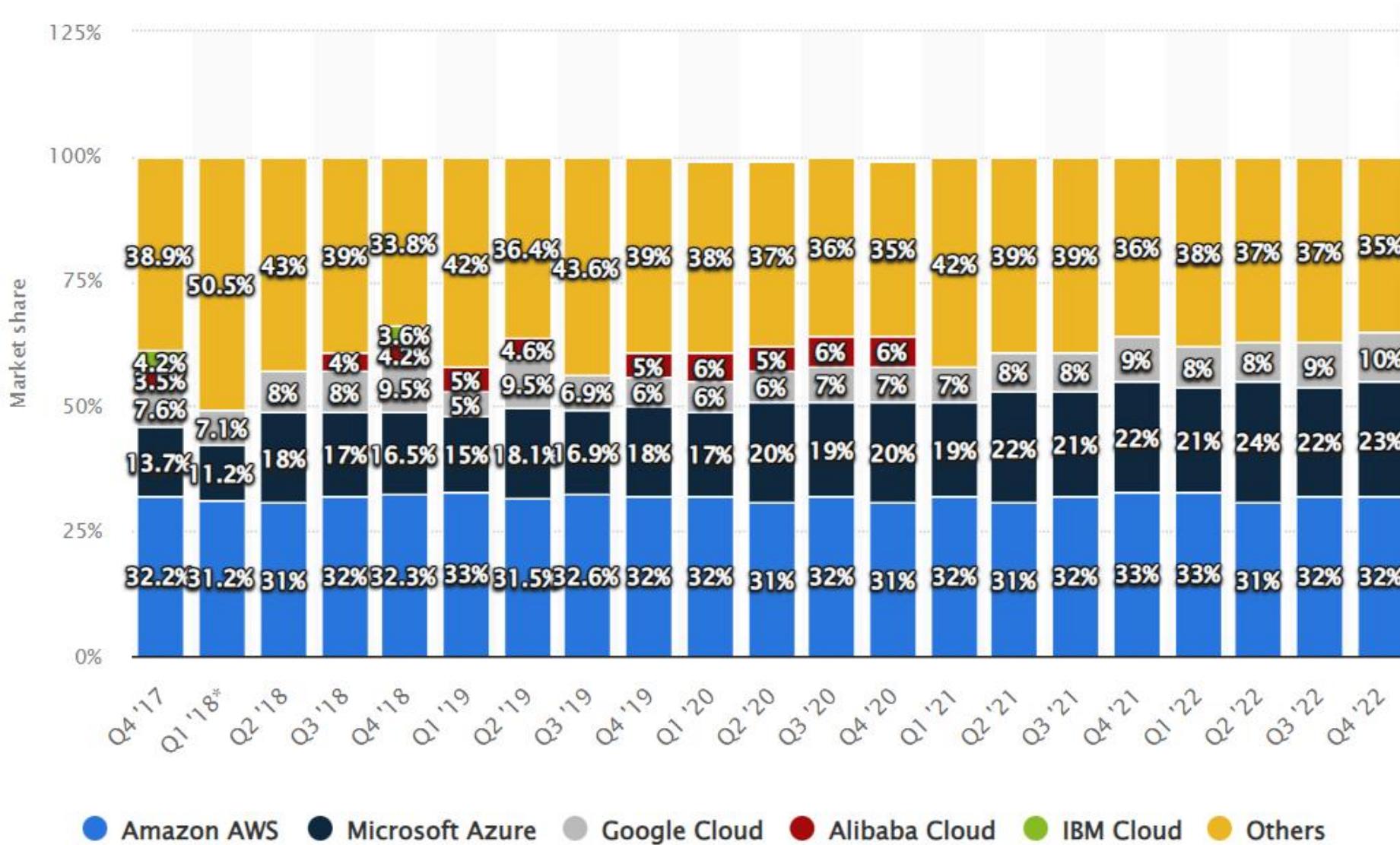


Cloud Infrastructure Services Market

(IaaS, PaaS, Hosted Private Cloud)



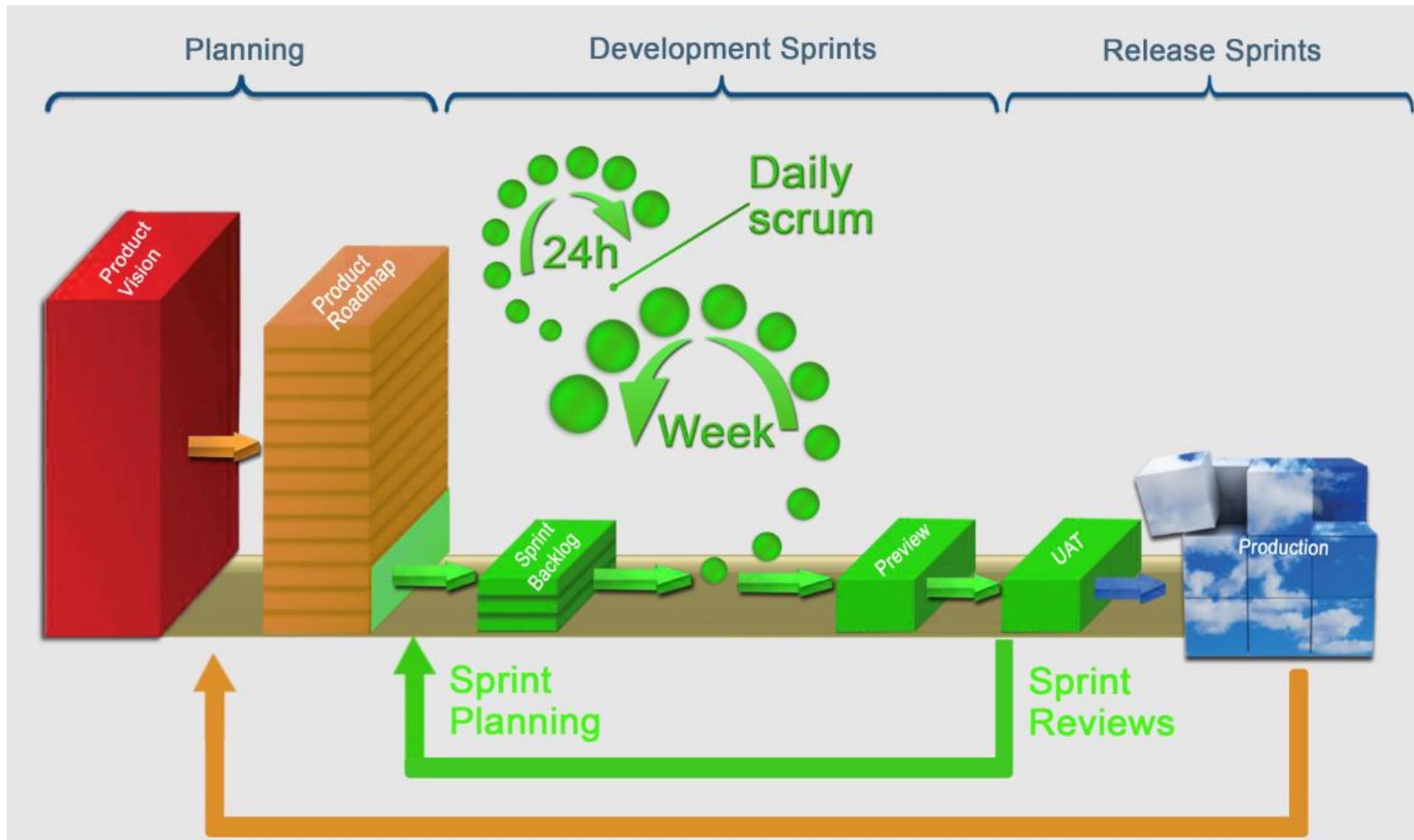
CLOUD PROVIDERS



- Amazon AWS
- Microsoft Azure
- Google Cloud
- Alibaba Cloud
- IBM Cloud
- Others



LIFE CYCLE OF A CLOUD COMPUTING SOLUTION





CLOUD COMPUTING WITH AWS

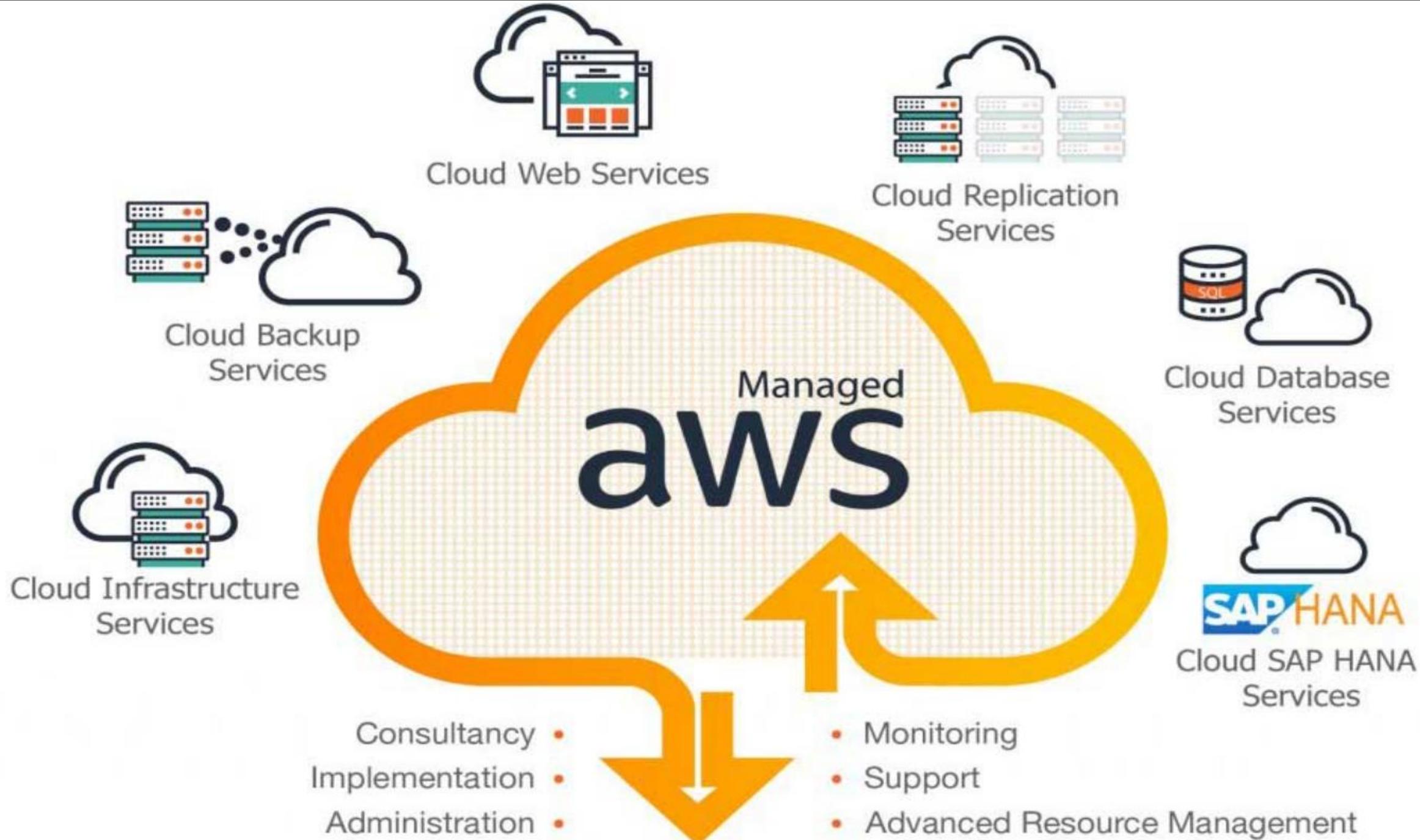


Overview of AWS



AWS, or Amazon Web Services, is a comprehensive cloud computing platform that offers a wide range of on-demand services. These services are available on a pay-as-you-go basis, with a 12-month free tier for new users. AWS provides over 200 fully featured and managed services, distributed across multiple global data centers. Holding a significant market share, AWS is trusted by more than 70% of the cloud market. Many government and private organizations leverage AWS to reduce costs, enhance agility, and drive innovation more rapidly.



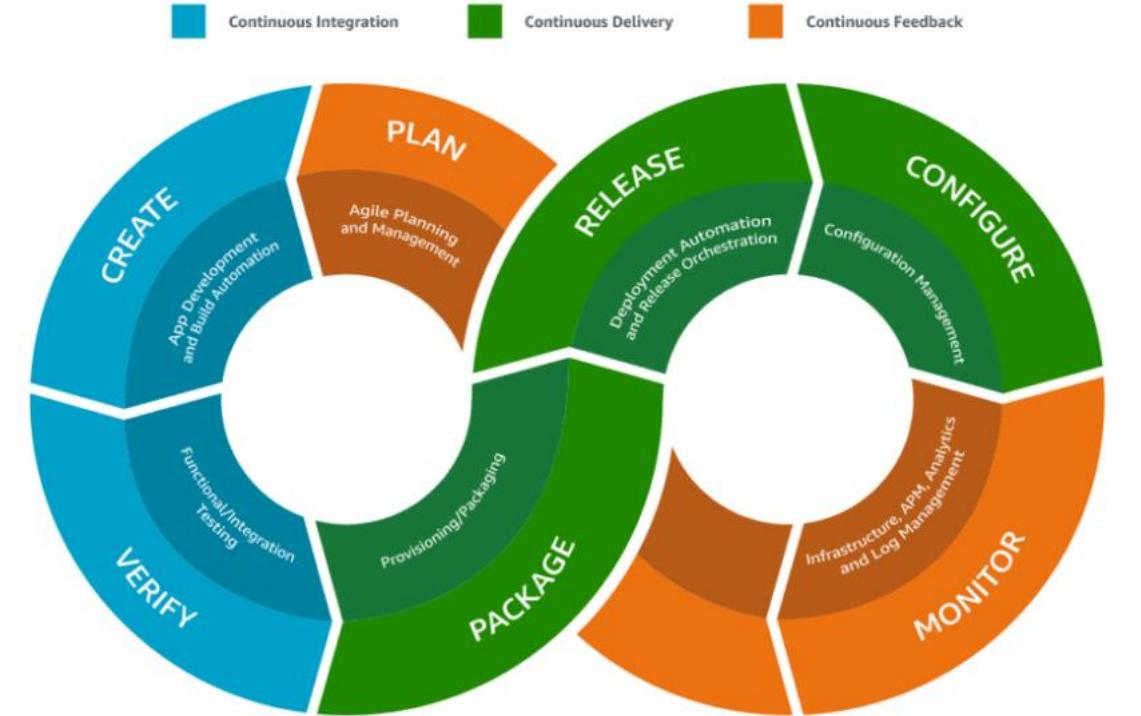




Why AWS Cloud Providers?

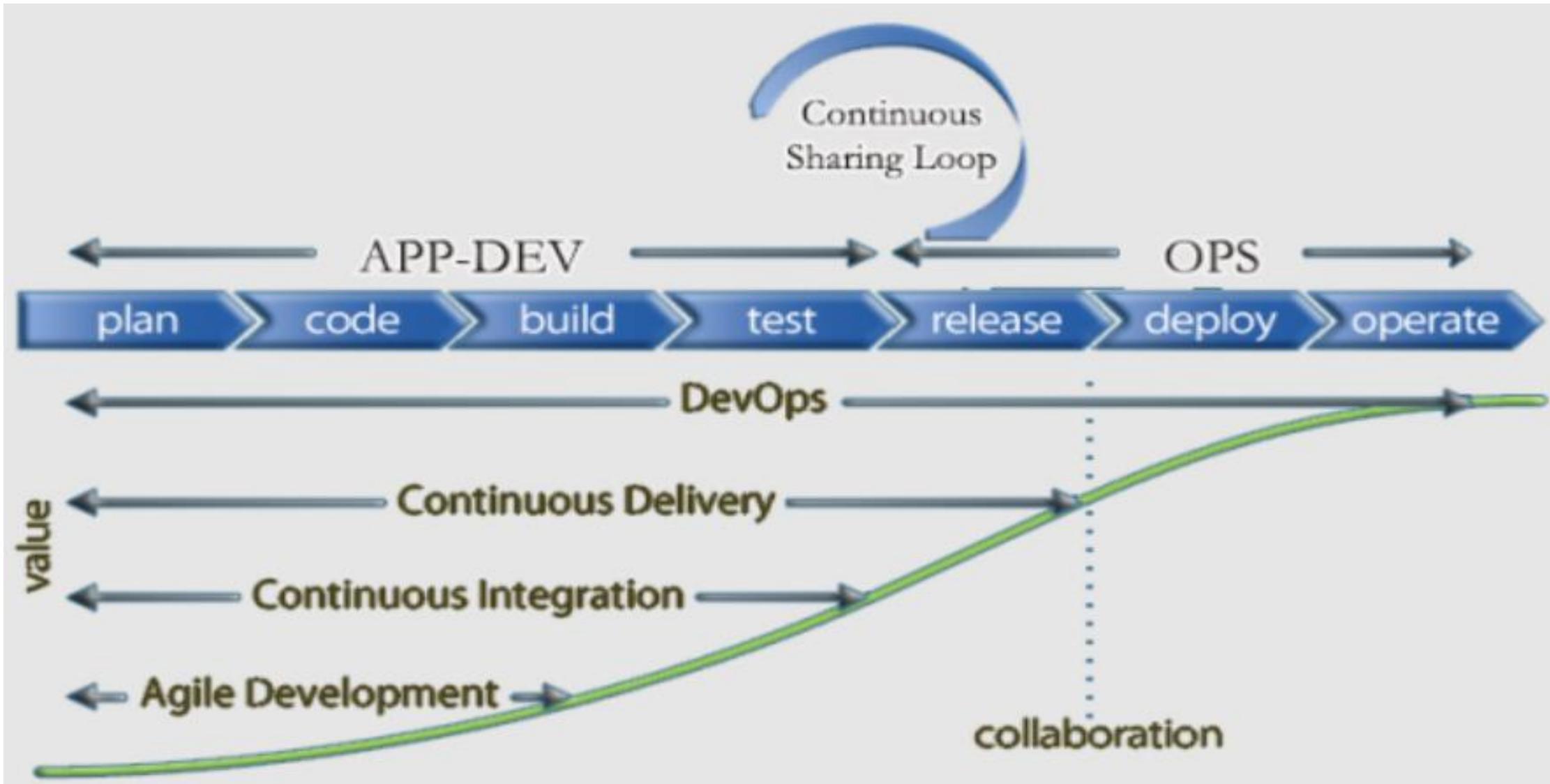
AWS provides a set of services that are designed to enable companies to build and deliver products quickly and reliably using AWS and DevOps practices.

These services simplify provisioning and managing infrastructure, deploying application code, automating software release processes, and monitoring your application and infrastructure performance.



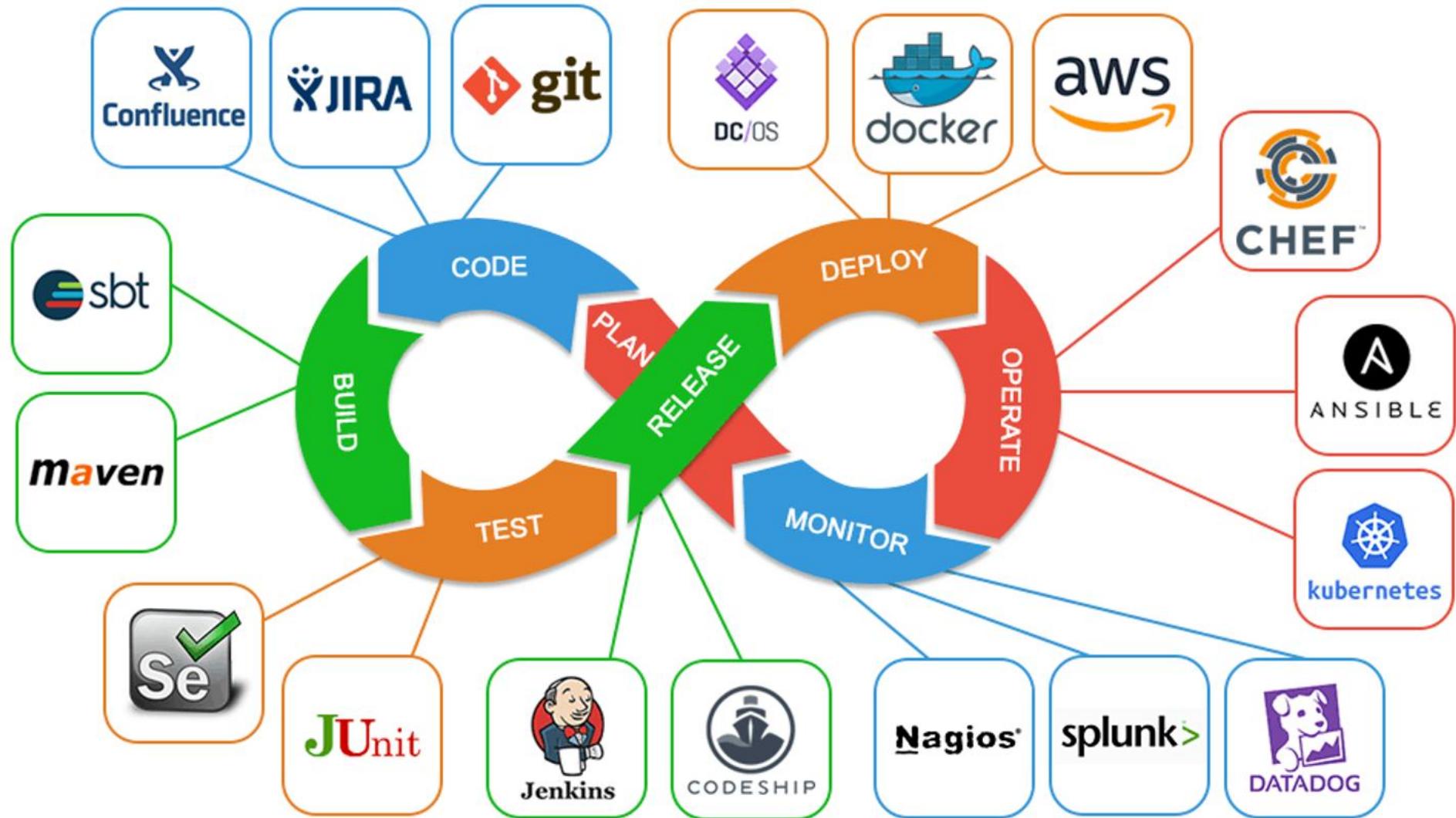


What is Devops?





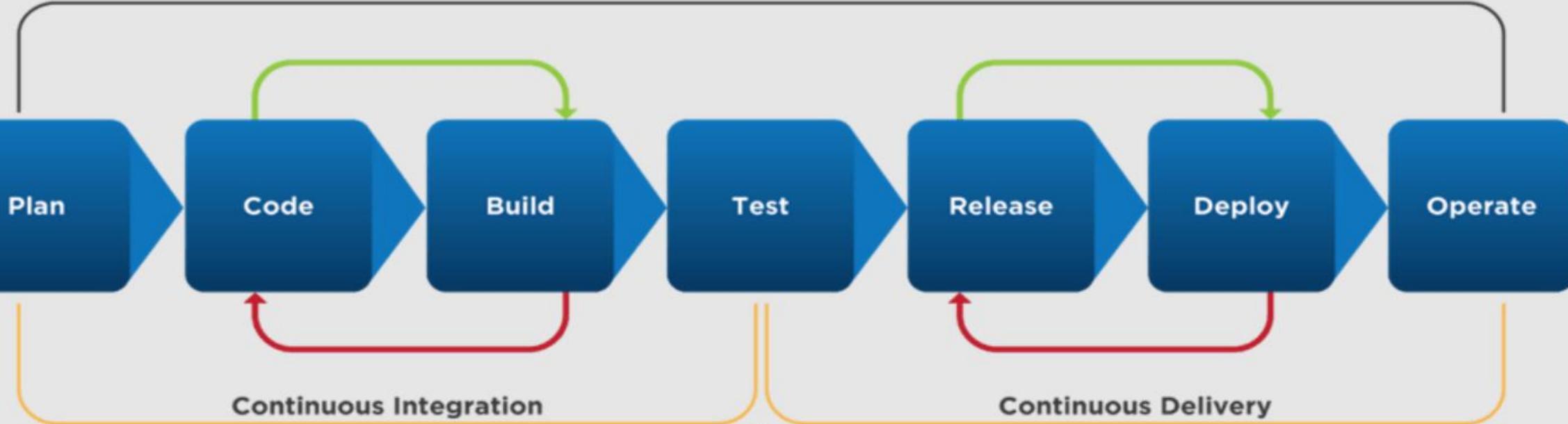
Overview of DevOps



AWS & DevOps



Continuous Deployment



AWS CodeCommit



AWS CodePipeline



Jenkins



AWS Elastic Beanstalk



AWS CodeDeploy



AWS Lambda



AWS X-Ray



AWS CloudTrail



git



Travis CI



CHEF



Terraform



AWS CloudFormation



AWS OpsWorks



AWS ECS



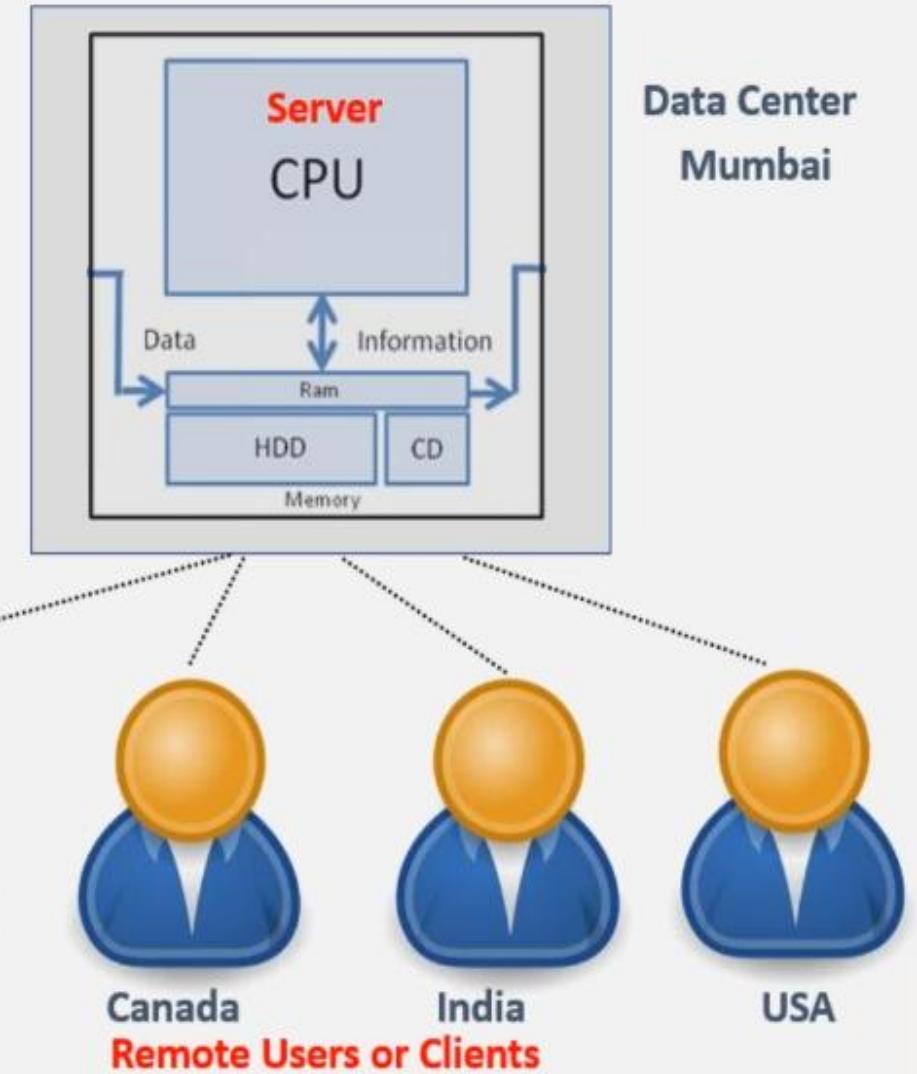
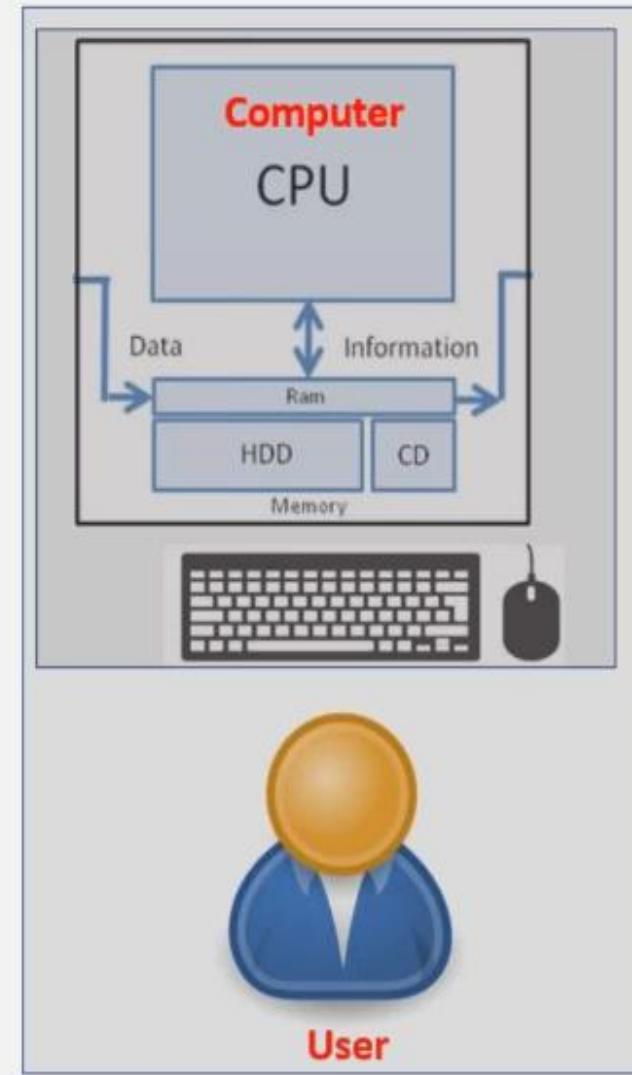
AWS Config



AWS CloudWatch



What is Server?



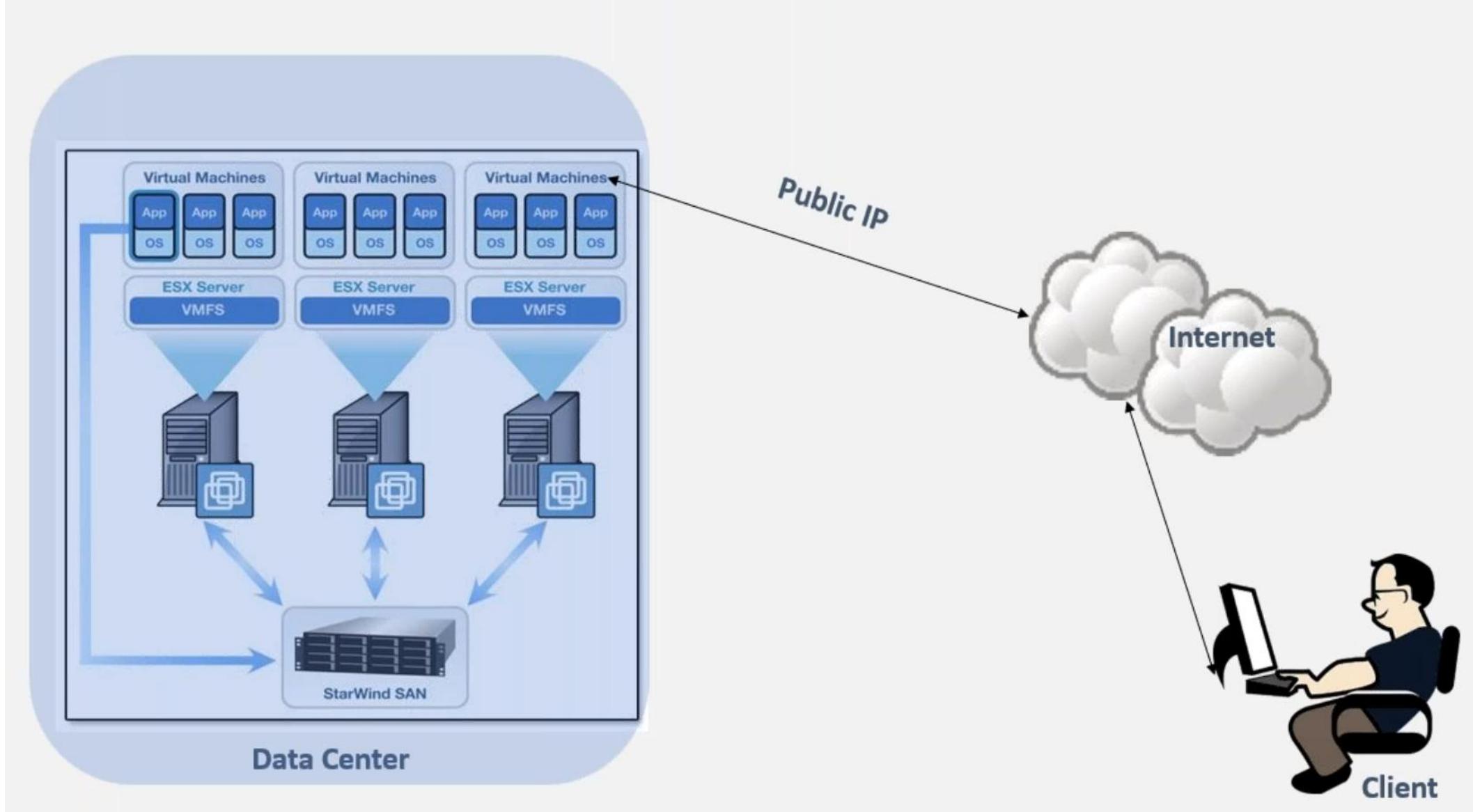


What is Data center?





What is Virtualization?





What is Infrastructure?

Infrastructure

Hardware
Processor
Memory
Networking
Storage

Data Center

Operating System

Linux
Red Hat,
Ubuntu,
Cent OS,
Amazon Linux
Windows
Mac OS

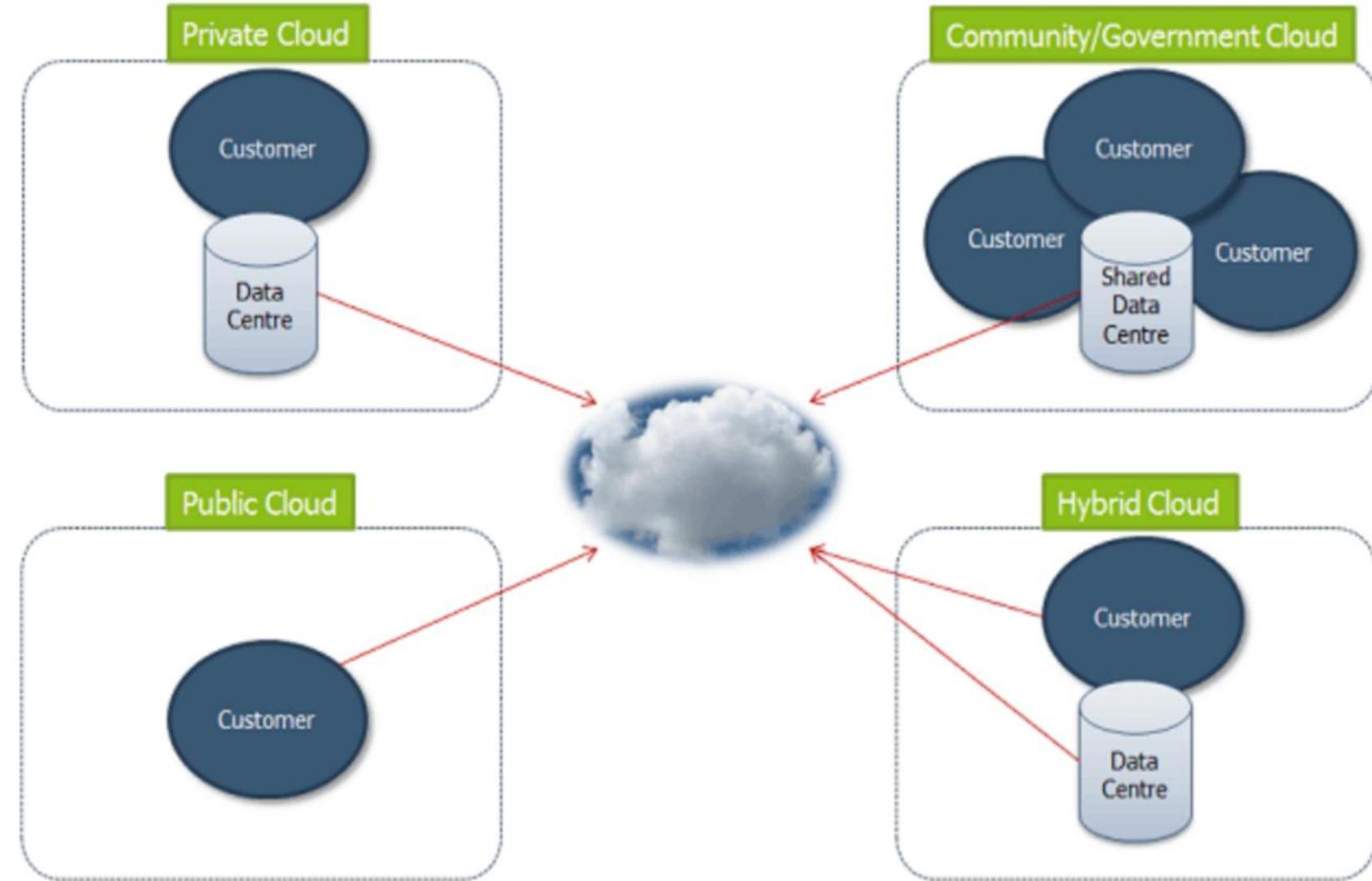
Application

Apache HTTP
Apache Tomcat
Jenkins
MS Office
VLC Media Player
Python
Java

Cloud Computing Deployment Models



1. Private cloud model
2. Public cloud model
3. Community cloud
4. Hybrid cloud model



Cloud Computing Deployment Models



1. Private cloud model:

In this system, the cloud infrastructure is set up on the premise for the exclusive use of an organization and its customers. In terms of cost-efficiency, this deployment model doesn't bring many benefits. However, many large enterprises choose it because of the security it offers.

2. Public cloud model:

Public cloud is hosted on the premise of the service provider. The service provider then provides cloud services to all of its customers. This deployment is generally adopted by many small to mid-sized organizations for their non-core and some of their core functions.

3. Community cloud:

The community cloud model is a cloud infrastructure shared by a group of organizations of similar industries and backgrounds with similar requirements i.e. mission, security, compliance, and IT policies. It may exist on or off-premise and can be managed by a community of these organizations.

4. Hybrid cloud model:

Hybrid cloud is a combination of two or more models, private cloud, public cloud or community cloud. Though these models maintain their separate entities they are amalgamated through a standard technology that enables the portability of data and applications.

AWS Global Infrastructure

33 Launched Regions

105 Availability Zones

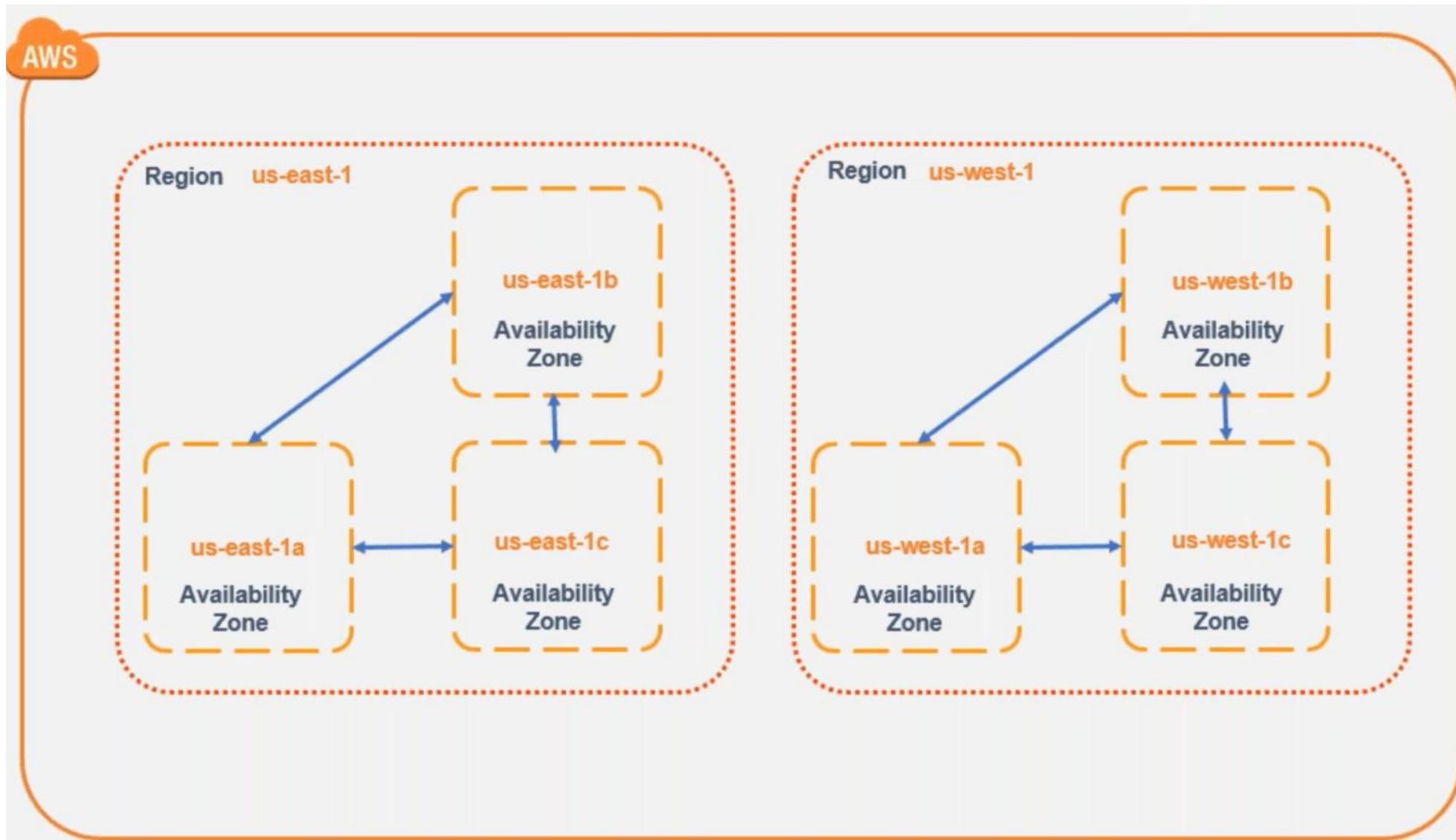
410+ Points of Presence

400+ Edge Locations and
13 Regional Edge Caches





Availability Zones





ELASTIC CLOUD COMPUTE (EC2)

A QUICK INTRODUCTION





Services

Search

[Alt+S]



N. Virginia ▾

naveen.subramaniam @ 3155-4034-4553 ▾



Recently visited

Favorites

All services

Analytics

Application Integration

Blockchain

Business Applications

Cloud Financial Management

Compute

Containers

Customer Enablement

Database



Recently visited

Console Home

View resource insights, service shortcuts, and feature updates

EC2

Virtual Servers in the Cloud

Billing and Cost Management

View and pay bills, analyze and govern your spending, and optimize your costs

S3

Scalable Storage in the Cloud

DynamoDB

Managed NoSQL Database

IAM

Manage access to AWS resources

+ Add widgets

Create application



Applications

< 1 >

Region ▾ | Origin



Create an EC2 instance and install a web server

Launch an EC2 instance

First, you create an Amazon EC2 instance in the public subnet of your VPC.

- To launch an EC2 instance
- Sign in to the AWS Management Console and open the Amazon EC2 console at <https://console.aws.amazon.com/ec2/>.
- Choose EC2 Dashboard, and then choose Launch instance, as shown following.

*attention.
always.*



Services

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Mumbai ▾

Naveenkumar Subramaniam

New EC2 Experience



EC2 Dashboard

EC2 Global View

Events

Tags

Limits

Instances

Instances New

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances New

Dedicated Hosts

Capacity Reservations

Images

attention.
always.

Resources

EC2 Global view



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

Instances (running)	0	Dedicated Hosts	0
Elastic IPs	0	Instances	0
Key pairs	0	Load balancers	0
Placement groups	0	Security groups	1
Snapshots	0	Volumes	0

Easily size, configure, and deploy Microsoft SQL Server Always On availability groups on AWS using the AWS Launch Wizard for SQL Server. X

[Learn more](#)

Launch instance

Service health

Account attributes

Supported platforms

- VPC

Default VPC

vpc-03cb891ee5ed38bc0

Settings

EBS encryption

Zones

EC2 Serial Console

Default credit specification

Console experiments

Explore AWS

Save Up to 45% on ML Inference

Instances | EC2 Management Con + ...

console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:instanceState=running:sort=instanceId

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New EC2 Experience X

Launch Instance Connect Actions [Alt+S]

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

Instance State: Running Add filter ?

1 to 1 of 1 ?

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Stat
Jenkins Server	i-0171ce78c63bb497c	t2.micro	us-east-1d	running	2/2 checks passed	None

Instance: i-0171ce78c63bb497c (Jenkins Server) Public DNS: ec2-3-87-61-165.compute-1.amazonaws.com

Description Status Checks Monitoring Tags

Instance ID	i-0171ce78c63bb497c	Public DNS (IPv4)	ec2-3-87-61-165.compute-1.amazonaws.com
Instance state	running	IPv4 Public IP	3.87.61.165
Instance type	t2.micro	IPv6 IPs	-
Finding	Opt-in to AWS Compute Optimizer for recommendations.	Elastic IPs	
	Learn more		

36



This launch experience will soon be reaching end of life

We've introduced a new launch experience with new and updated features. You can opt in now by choosing **Opt in to the new experience**.

Currently, you can opt out to the old experience at any time. Please send us your feedback about the new experience so that we can continue to improve it.

[Opt in to the new experience](#)

1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Add Tags

6. Configure Security Group

7. Review

Step 1: Choose an Amazon Machine Image (AMI)

[Cancel and Exit](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.

Search for an AMI by entering a search term e.g. "Windows"

[Search by Systems Manager parameter](#)

Quick Start

K < 1 to 46 of 46 AMIs > >

My AMIs



Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type - ami-08df646e18b182346 (64-bit x86) / ami-0e0aaaf29e73155b91 (64-bit Arm)

[Select](#)

AWS Marketplace

Amazon Linux

Free tier eligible

Amazon Linux 2 comes with five years support. It provides Linux kernel 5.10 tuned for optimal performance on Amazon EC2,

customized 2.10.0-7.3-0.1.0-2.26.0-2.20.1, and the latest software packages through extras. This AMI is the successor

- 64-bit (x86)
 64-bit (Arm)



Services

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1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Add Tags

6. Configure Security Group

7. Review

Step 1: Choose an Amazon Machine Image (AMI)

[Cancel and Exit](#)

Quick Start

My AMIs

AWS Marketplace

Community AMIs



Find and buy software that runs in the AWS Cloud, software from trusted vendors like SAP, Zend, Microsoft, as well as many open source offerings. You can now find and launch software directly within EC2 for all AWS Marketplace AMI products. View Marketplace products you are currently subscribed to by visiting [Your Software](#) in the AWS Marketplace.

Featured Software



Barracuda

[Barracuda CloudGen Firewall for AWS -...](#)

Rating ★★★★☆

By Barracuda Networks

Starting from \$0.60/hr or from \$4,599.00/yr (13% savings) for



JUNIPER NETWORKS

[vSRX Next Generation Firewall](#)

By Juniper Networks

Starting from \$0.65/hr or from \$1,993.00/yr (up to 65% savings) for software



TREND MICRO™

[Trend Micro Deep Security](#)

Rating ★★★★☆

By Trend Micro

Starting from \$0.01 per host/hr for software usage

[N2WS Backup & Recovery for AWS Advanced...](#)

Rating ★★★★★

By N2W Software



1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Add Tags

6. Configure Security Group

7. Review

Step 1: Choose an Amazon Machine Image (AMI)

[Cancel and Exit](#)

Quick Start

K < 1 to 50 of 92,900 AMIs > K

My AMIs

AWS Marketplace

Community AMIs

▼ Operating system

 Amazon Linux Cent OS Debian Fedora Gentoo openSUSE Other Linux Red Hat**amzn2-ami-kernel-5.10-hvm-2.0.20220606.1-x86_64-gp2 - ami-08df646e18b182346****Select**

64-bit (x86)

Amazon Linux 2 Kernel 5.10 AMI 2.0.20220606.1 x86_64 HVM gp2

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

amzn2-ami-hvm-2.0.20220606.1-x86_64-gp2 - ami-09de362f44ba0a166**Select**

64-bit (x86)

Amazon Linux 2 AMI 2.0.20220606.1 x86_64 HVM gp2

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

RHEL-8.6.0_HVM-20220503-x86_64-2-Hourly2-GP2 - ami-05c8ca4485f8b138a**Select**

64-bit (x86)

Provided by Red Hat, Inc.

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

RHEL_HA-8.5_HVM-20220127-x86_64-3-Hourly2-GP2 - ami-05102cba58d91b74a**Select**



Services

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1. Choose AMI
2. Choose Instance Type
3. Configure Instance
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7. Review

Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: All instance families ▾ Current generation ▾ Show/Hide Columns

Currently selected: t2.micro (- ECUs, 1 vCPUs, 2.5 GHz, -, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input type="checkbox"/>	t2	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	t2	t2.micro <small>Free tier eligible</small>	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.medium	2	4	EBS only	-	Low to Moderate	Yes

[Cancel](#)[Previous](#)[Review and Launch](#)[Next: Configure Instance Details](#)

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances  1 [Launch into Auto Scaling Group](#) 

Purchasing option  Request Spot instances

Network  vpc-03cb891ee5ed38bc0 (default)   Create new VPC

Subnet  No preference (default subnet in any Availability Zone)   Create new subnet

Auto-assign Public IP  Use subnet setting (Enable) 

Hostname type  Use subnet setting (IP name) 

DNS Hostname  Enable IP name IPv4 (A record) DNS requests
 Enable resource-based IPv4 (A record) DNS requests
 Enable resource-based IPv6 (AAAA record) DNS requests

Cancel

Previous

Review and Launch

Next: Add Storage



1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

Volume Type <small>i</small>	Device <small>i</small>	Snapshot <small>i</small>	Size (GiB) <small>i</small>	Volume Type <small>i</small>	IOPS <small>i</small>	Throughput (MB/s) <small>i</small>	Delete on Termination <small>i</small>	Encryption <small>i</small>
Root	/dev/xvda	snap-08bbaef4a42ffdca4	8	General Purpose SSD (gp2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

Add New Volume

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

Cancel

Previous

Review and Launch

Next: Add Tags

Launch instance wizard | EC2 Ma X +

https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:

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1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 5: Add Tags

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver.

A copy of a tag can be applied to volumes, instances or both.

Tags will be applied to all instances and volumes. [Learn more](#) about tagging your Amazon EC2 resources.

Key	(128 characters maximum)	Value	(256 characters maximum)	Instances	Volumes	Network Interfaces
Aspire Training Bay		Device Owner		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Created By		Naveenkumar Subramaniam		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Add another tag (Up to 50 tags maximum)

Cancel Previous **Review and Launch** Next: Configure Security Group

Feedback Looking for language selection? Find it in the new [Unified Settings](#)

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Type here to search

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1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Add Tags

6. Configure Security Group

7. Review

Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group: Create a **new** security group

Select an **existing** security group

Security group name:

launch-wizard-1

Description:

launch-wizard-1 created 2022-07-07T16:26:09.297+05:30

Type

SSH

Protocol

TCP

Port Range

22

Source

Custom 0.0.0.0/0

Description

e.g. SSH for Admin Desktop



Add Rule



Warning

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.

Cancel

Previous

Review and Launch



1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review

Step 7: Review Instance Launch

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

Improve your instances' security. Your security group, launch-wizard-1, is open to the world.

Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only.

You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

AMI Details

[Edit AMI](#)

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type - ami-08df646e18b182346

Free tier eligible

Amazon Linux 2 comes with five years support. It provides Linux kernel 5.10 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is n...

Root Device Type: ebs Virtualization type: hvm

Instance Type

[Edit instance type](#)

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
---------------	------	-------	--------------	-----------------------	-------------------------	---------------------

[Cancel](#)[Previous](#)[Launch](#)

Launch instance wizard | EC2 Ma X +

https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:

Services Search for services, features, blogs, docs, and more [Alt+S] Mumbai Naveenkumar Subramaniam

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 7: Review Instance

Please review your instance launch details.

Improve your instances' security

Your instances may be accessible from the Internet. You can also open additional ports.

AMI Details

Amazon Linux 2 AMI (HVM, SSD Volume Type)

Free tier eligible Amazon Linux 2 comes with free usage of 2.29.1, and the latest software. Root Device Type: ebs Virtualization Type: HVM

Instance Type

Instance Type ECUs

Select an existing key pair or create a new key pair

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance. Amazon EC2 supports ED25519 and RSA key pair types.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).

Choose an existing key pair

Choose an existing key pair Create a new key pair Proceed without a key pair

No key pairs found

You don't have any key pairs. Please create a new key pair by selecting the [Create a new key pair](#) option above to continue.

Cancel Launch Instances

te the launch process.

addresses only.

ervers. [Edit security groups](#)

Edit AMI

ibc 2.26, Binutils

Edit instance type

Network Performance

Cancel Previous Launch

Feedback Looking for language selection? Find it in the new [Unified Settings](#)

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Create key pair

*a t t e n t i o n .
a l w a y s .*

EC2 > Key pairs > Create key pair

Create key pair Info

Key pair

A key pair, consisting of a private key and a public key, is a set of security credentials that you use to prove your identity when connecting to an instance.

Name _____

AspireTB-key

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type [Info](#)

- RSA
○ ED25519

Private key file format

- .pem
For use with OpenSSH
 - .ppk
For use with PuTTY

EC2 Management Console x +

https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#Instances:

A star star star star star ... User Icon

aws Services Search for services, features, blogs, docs, and more [Alt+S] Exit Connect Instance state Actions Launch instances ▼

New EC2 Experience Tell us what you think X

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

Instances (1/1) Info C Connect Instance state Actions Launch instances ▼

Search

Name Instance ID Instance state Instance type Status check Alarm status

Aspire_Trai... i-0268a8e4379318112 Running t2.micro Initializing No alarms + a

Instance: i-0268a8e4379318112 gear X

Details Security Networking Storage Status checks Monitoring Tags

Instance summary Info

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0268a8e4379318112	172.17.0.2	127.0.0.1

Feedback Looking for language selection? Find it in the new Unified Settings link © 2022, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences 49

EC2 Management Console

https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#Instances:

New EC2 Experience Tell us what you think

EC2 Dashboard

EC2 Global View

Events

Tags

Limits

Instances

Instances New

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances New

Dedicated Hosts

Capacity Reservations

Images

Feedback Looking for language selection? Find it in the new Unified Settings

Search for services, features, blogs, docs, and more [Alt+S]

Mumbai Naveenkumar Subramaniam

Instances (1/1) Info

C Connect Instance state Actions Launch instances

Search

Name Instance ID Instance state Instance type Status check Alarm status

Aspire_Trainin... i-0268a8e4379318112 Running t2.micro Initializing No alarms + a

Instance: i-0268a8e4379318112

Details Security Networking Storage Status checks Monitoring Tags

Instance summary Info

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0268a8e4379318112	13.232.239.190 open address	172.31.44.179
IPv6 address	Instance state	Public IPv4 DNS
-	Running	ec2-13-232-239-190.ap-south-1.compute.amazonaws.com open address
Hostname type	Private IP DNS name (IPv4 only)	

50



PuTTY

Terminal emulator

[Download](#)[Ratings](#)[Features](#)[Documentation](#)[System requirements](#)

Putty

Simon Tatham

<https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>[Go to download](#)

Download PuTTY - a free SSH and telnet client for Windows

<https://putty.org> ▾

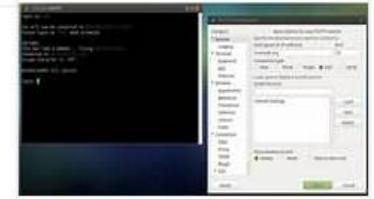
Download PuTTY - a free SSH and telnet client for Windows Below suggestions are independent of the authors of PuTTY. They are not to be seen as endorsements by the PuTTY project. Bitvise SSH Client Bitvise SSH Client is an SSH and SFTP client for Windows. It is developed and supported professionally by Bitvise.

Download Putty (0.77) for Windows, Linux and Mac



PuTTY

Terminal emulator



PuTTY (/ˈpʌti/) is a free and open-source terminal emulator, serial console and network file transfer application. It supports several network protocols, including SCP, SSH, Telnet, rlogin, and raw so...

W

chiark.greenend.org.uk**Developer(s)** Simon Tatham**Initial release** January 8, 1999**Stable release** 0.77 / 27 May 2022**Repository** <git.tartarus.org?p=simon%2Fputty.git>**Written in** C

Download PuTTY: latest release (0.77)



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Download: [Stable](#) · [Snapshot](#) | [Docs](#) | [Changes](#) | [Wishlist](#)

This page contains download links for the latest released version of PuTTY. Currently this is 0.77, released on 2022-05-27.

When new releases come out, this page will update to contain the latest, so this is a good page to bookmark or link to. Alternatively, here is a [permanent link to the 0.77 release](#).

Release versions of PuTTY are versions we think are reasonably likely to work well. However, they are often not the most up-to-date version of the code available. If you have a problem with this release, then it might be worth trying out the [development snapshots](#), to see if the problem has already been fixed in those versions.

Package files

You probably want one of these. They include versions of all the PuTTY utilities (except the new and slightly experimental Windows pterm).

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

MSI ('Windows Installer')

64-bit x86:	putty-64bit-0.77-installer.msi	(signature)
64-bit Arm:	putty-arm64-0.77-installer.msi	(signature)
32-bit x86:	putty-0.77-installer.msi	(signature)

Unix source archive

.tar.gz:	putty-0.77.tar.gz	(signature)
----------	-----------------------------------	-----------------------------



Alternative binary files

The installer packages above will provide versions of all of these (except PuTTYtel and pterm), but you can download standalone binaries one by one if you prefer.

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

putty.exe (the SSH and Telnet client itself)

64-bit x86: [putty.exe](#) ([signature](#))

64-bit Arm: [putty.exe](#) ([signature](#))

32-bit x86: [putty.exe](#) ([signature](#))

pscp.exe (an SCP client, i.e. command-line secure file copy)

64-bit x86: [pscp.exe](#) ([signature](#))

64-bit Arm: [pscp.exe](#) ([signature](#))

32-bit x86: [pscp.exe](#) ([signature](#))

psftp.exe (an SFTP client, i.e. general file transfer sessions much like FTP)

64-bit x86: [psftp.exe](#) ([signature](#))

64-bit Arm: [psftp.exe](#) ([signature](#))

32-bit x86: [psftp.exe](#) ([signature](#))

puttytel.exe (a Telnet-only client)

64-bit x86: [puttytel.exe](#) ([signature](#))

64-bit Arm: [puttytel.exe](#) ([signature](#))

32-bit x86: [puttytel.exe](#) ([signature](#))

Alternative binary files

The installer packages above will provide versions of all the following:

(Not sure whether you want the 32-bit or the 64-bit version? Choose one binaries one by one if you prefer.

putty.exe (the SSH and Telnet client itself)

64-bit x86: [putty.exe](#)

64-bit Arm: [putty.exe](#)

32-bit x86: [putty.exe](#)

pscp.exe (an SCP client, i.e. command-line secure file copy)

64-bit x86: [pscp.exe](#)

64-bit Arm: [pscp.exe](#)

32-bit x86: [pscp.exe](#)

psftp.exe (an SFTP client, i.e. general file transfer service)

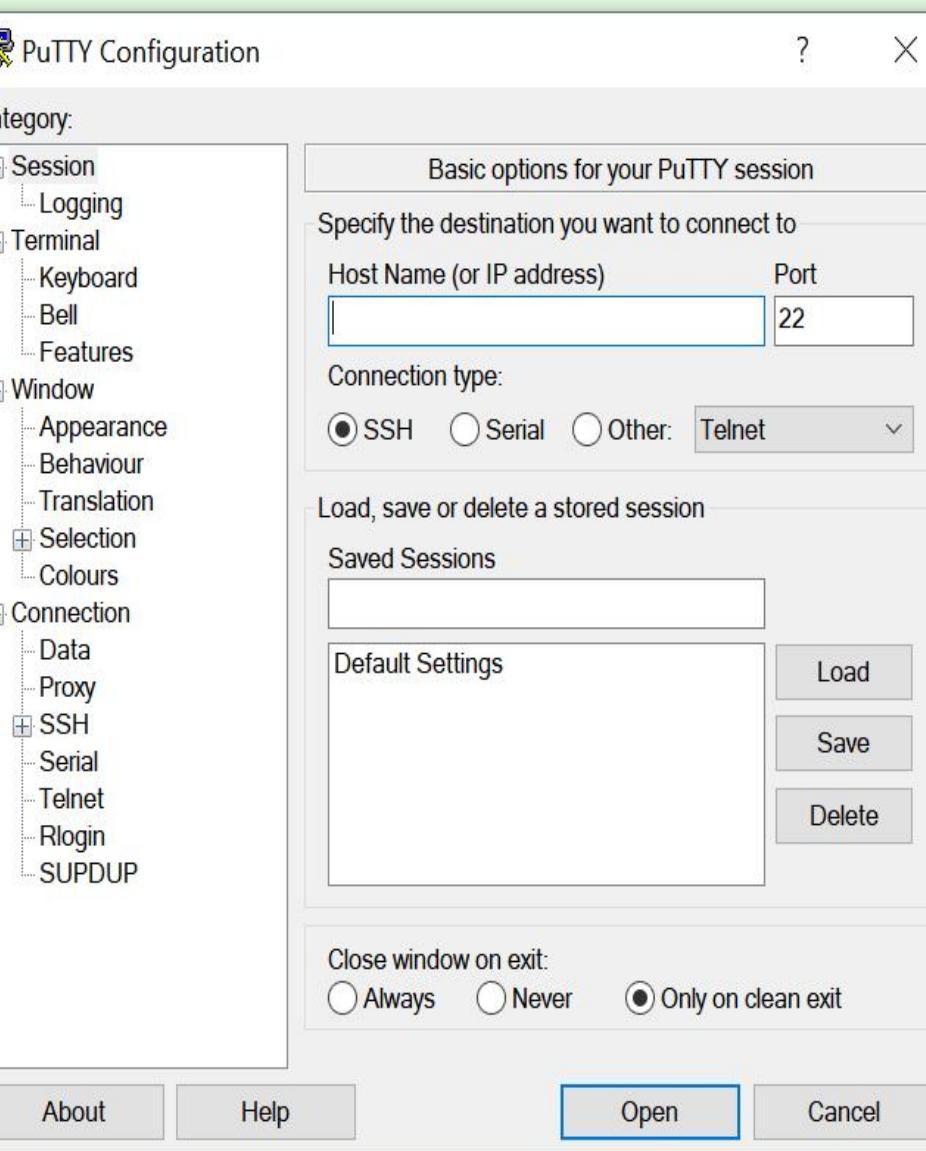
64-bit x86: [psftp.exe](#)

64-bit Arm: [psftp.exe](#)

32-bit x86: [psftp.exe](#)

puttytel.exe (a Telnet-only client)

64-bit x86: [puttytel.exe](#)



(signature)

(signature)

(signature)

Launch Instance Connect Actions

Filter by tags and a

PuTTY Configuration

Category:

- Name
- Jenkins Server
- demo-server**

Instance: i-0c49e5b

Description Start

Options controlling SSH authentication

- Display pre-authentication banner (SSH-2 only)
- Bypass authentication entirely (SSH-2 only)
- Disconnect if authentication succeeds trivially

Authentication methods

- Attempt authentication using Pageant
- Attempt TIS or CryptoCard auth (SSH-1)
- Attempt "keyboard-interactive" auth (SSH-2)

Authentication parameters

- Allow agent forwarding
- Allow attempted changes of username in SSH-2

Private key file for authentication:

About Help Open Cancel

?

?

K <

Name	Instance State	Status Checks
mpute-1.amazonaws.com	running	2/2 checks pa
mpute-1.amazonaws.com	running	2/2 checks pa

Public DNS (IPv4) ec2-54-173-114-16.com
1.amazonaws.com

IPv4 Public IP 54.173.114.16

IPv6 IPs -

Elastic IPs

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ec2-user@ip-172-31-44-179:~

[*] login as: ec2-user
[*] Authenticating with public key "AspireTB-key"
Last login: Thu Jul 7 14:07:44 2022 from 42.110.178.237

__| | (__|_ /) Amazon Linux 2 AMI
__| __|_|_ |

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-44-179 ~]\$ █



Instance lifecycle

▶ Launch

▼ Connect

Prerequisites for connecting

Connect using SSH

▼ Connect using EC2 Instance Connect

Set up EC2 Instance Connect

Connect using EC2 Instance Connect

Uninstall EC2 Instance Connect

Connect using PuTTY

Connect using WSL

Connect using Session Manager

user account or the default user name for the AMI that you used to launch your instance.

- **Get the user name for your user account.**

For more information about how to create a user account, see [Manage user accounts on your Amazon Linux instance](#).

- **Get the default user name for the AMI that you used to launch your instance:**

- For Amazon Linux 2 or the Amazon Linux AMI, the user name is `ec2-user`.
- For a CentOS AMI, the user name is `centos` or `ec2-user`.
- For a Debian AMI, the user name is `admin`.
- For a Fedora AMI, the user name is `fedora` or `ec2-user`.
- For a RHEL AMI, the user name is `ec2-user` or `root`.
- For a SUSE AMI, the user name is `ec2-user` or `root`.
- For an Ubuntu AMI, the user name is `ubuntu`.
- For an Oracle AMI, the user name is `ec2-user`.
- For a Bitnami AMI, the user name is `bitnami`.
- Otherwise, check with the AMI provider.

On this page

[Get information about your instance](#)

Enable inbound traffic to your instance

Locate the private key and set the permissions

(Optional) Get the instance fingerprint

ubuntu@ip-172-31-7-54: ~

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

Get cloud support with Ubuntu Advantage Cloud Guest:
<http://www.ubuntu.com/business/services/cloud>

0 packages can be updated.
0 updates are security updates.

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-172-31-7-54: ~

attention.
always.

[Launch Instance](#)[Connect](#)[Actions](#)

Filter by tags and attributes or search by keyword



1 to 2 of 2

[Name](#)

	Name	IP Address	Check Status	Alarm Status	Public DNS (IPv4)
<input type="checkbox"/>	i-		None		
<input checked="" type="checkbox"/>	i-		None		ec2-13-211-188-210.ap-southeast-1.compute.amazonaws.com

Stop Instances



Are you sure you want to stop these instances?

i-0e0b322e96983234a



Note that when your instances are stopped:

Any data on the ephemeral storage of your instances will be lost.

[Cancel](#)[Yes, Stop](#)

Instance: i-0e0b322e96983234a

[Description](#)[Status Checks](#)[Monitoring](#)[Tags](#)

Instance ID i-0e0b322e96983234a

Public DNS (IPv4) ec2-13-211-188-210.ap-southeast-



Billing and Storage in AWS

*a t t e n t i o n .
a l w a y s .*



AWS Free Tier

Overview

FAQs

Terms and Conditions

- Containers
- Customer Engagement
- Database
- Developer tools
- End User Computing
- Front-End Web & Mobile
- Game Tech
- Internet of Things
- Machine Learning
- Management & Governance
- Media Services
- Migration & Transfer
- Networking & Content Delivery
- Robotics
- Security, Identity, & Compliance
- Serverless
- Storage

STORAGE	STORAGE	STORAGE
Free Tier 12 MONTHS FREE Amazon Elastic Block Storage 30 GB any combination of General Purpose (SSD) or Magnetic Persistent, durable, low-latency block-level storage volumes for EC2 instances. 30 GB of Amazon EBS: any combination of General Purpose (SSD) or Magnetic 2,000,000 I/Os (with EBS Magnetic) 1 GB of snapshot storage	Free Tier ALWAYS FREE AWS Storage Gateway 100 GB free per account Hybrid cloud storage with seamless local integration and optimized data transfer.	NEW Free Tier FREE TRIAL Amazon ECS Anywhere 2200 Hours per month Easily run and manage containers on any customer-managed infrastructure 2200 instance hours per month

12-Months Free: These free tier offers are only available to new AWS customers. Once you exceed the tiers, you simply pay standard, pay-as-you-go rates.

These free tier offers are only available to new AWS customers following your AWS sign-up date. When your 12 month free usage term expires or if your application usage exceeds the tiers, you simply pay standard, pay-as-you-go rates. Restrictions apply; see offer terms for more details.

Always Free: These free tier offers do not automatically expire.

but are available to both existing and new AWS customers indefinitely.

Instances | EC2 Management Con X +

https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#Instances:sort=desc:monitoring

aws Services Search for services, features, blogs, docs, and more [Alt+S]

Mumbai Naveenkumar Subramaniam

New EC2 Experience Tell us what you think

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EC2 Global View

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Instance Types

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Savings Plans

Reserved Instances New

Dedicated Hosts

Capacity Reservations

Images

Instances (1/1) Info

Connect Instance state ▾

Search

Name Instance ID

Aspire_Trainin... i-0268a8e4379318112

Action

Get system log

Get instance screenshot

Manage detailed monitoring

Manage CloudWatch alarms

EC2 Serial Console

Replace root volume

Fleet Manager

Account ID: 5287-4372-3773

Account

Organization

Instances

Service Quotas

Network

Security

Images

Security credentials

Monitoring

Sign out

Details Security Networking Storage Status checks Monitoring Tags

Tags

Key Value

Created_by Naveenkumar_Subramaniam

Name Aspire_Trainingbay

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Home

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Bills

Orders and invoices

Credits

Purchase orders

Cost & Usage

Reports

Cost Categories

Cost allocation tags

Free Tier

Cost Management

Cost Explorer

Budgets

Cost by service

January 2022 total spent compared to previous 3 month average.

Service	Average	Janua...	Trend
Elastic Compute Cloud	USD 5.93	USD 11.85	↑ 100.2%
Elastic Container Servic...	USD 0.80	USD 0.80	↓ 0.0%
Route 53	USD 0.60	USD 0.60	↑ 1.7%
Data Transfer	USD 0.04	USD 0.08	↑ 100.0%
Simple Storage Service	USD 0.03	USD 0.05	↑ 66.7%

[View your bill](#)Account cost trend Info

Viewing data over a period of 3 months.

Line ▾

Last 3 months by account ▾





Creating Windows Server

*a t t e n t i o n .
a l w a y s .*



You've been invited to try an early, beta iteration of the new launch instance wizard. We will continue to improve the experience over the next few months. We're asking customers for their feedback on this early release. To exit the new launch instance wizard at any time, choose the **Cancel** button.

X
Try it now!

1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Add Tags

6. Configure Security Group

7. Review

Step 1: Choose an Amazon Machine Image (AMI)

[Cancel and Exit](#)

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes



Microsoft Windows Server 2019 Base - ami-0c19f80dba70861db

Select

Windows

Free tier eligible

Microsoft Windows 2019 Datacenter edition. [English]

64-bit (x86)

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes



Deep Learning AMI (Ubuntu 18.04) Version 56.1 - ami-09ac68f361e5f4a13

Select

MXNet-1.8, TensorFlow-2.7, PyTorch-1.10, Neuron, & others. NVIDIA CUDA, cuDNN, NCCL, Intel MKL-DNN, Docker,

NVIDIA Docker & EFA support. For fully managed experience, check: <https://aws.amazon.com/sagemaker>

64-bit (x86)



1. Choose AMI

2. Choose Instance Type

3. Configure Instances

4. Add Storage

5. Add Tags

6. Configure Security Group

7. Review

Step 7: Review Instance

Please review your instance launch details.



Improve your instances

Your instances may be accessible from the internet.

You can also open additional ports.

AMI Details



Microsoft Windows Server 2019 Datacenter

Free tier

eligible

Microsoft Windows 2019 Datacenter

Root Device Type: ebs Virtual

If you plan to use this AMI for an application, consider using a managed service.

Instance Type

Edit instance type

Cancel

Previous

Launch

Select an existing key pair or create a new key pair



A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance. Amazon EC2 supports ED25519 and RSA key pair types.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).

Choose an existing key pair

Select a key pair

dt-linux-key | RSA

demo | RSA

dpt3-l3 | RSA

dpt3-new | RSA

dpt3-off | RSA

dpt3-us-east-1 | RSA

dpt4 | RSA

dt-linux-key | RSA

lete the launch process.

P addresses only.
servers. Edit security groups

Edit AMI

Edit instance type



A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance. Amazon EC2 supports ED25519 and RSA key pair types.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).

Create a new key pair

Key pair type

RSA ED25519

Key pair name

windows-key

Download Key Pair



You have to download the **private key file** (*.pem file) before you can continue. [Store it in a secure and accessible location](#). You will not be able to download the file again after it's created.

Cancel

Launch Instances

EC2 Dashboard

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Filter by tags and attributes or search by keyword

?

K

<

1 to 3 of 3

>

?

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Stat
Jenkins Server	i-0171ce78c63bb497c	t2.micro	us-east-1d	running	2/2 checks passed	None
Windows	i-0645f464d96610801	t2.micro	us-east-1a	pending	Initializing	None
demo-server	i-0c49e5bcf33de8ec2	t2.micro	us-east-1a	running	2/2 checks passed	None

Instance: i-0645f464d96610801 (Windows) Public DNS: ec2-54-224-222-136.compute-1.amazonaws.com



Description

Status Checks

Monitoring

Tags

Instance ID i-0645f464d96610801

Public DNS (IPv4) ec2-54-224-222-136.compute-1.amazonaws.com

Instance state pending

IPv4 Public IP 54.224.222.136

Instance type t2.micro

IPv6 IPs -

Finding Opt-in to AWS Compute

Elastic IPs



EC2 Dashboard

EC2 Global View

Programs (2)

Remote Desktop ConnectionWindows Remote Assistance

Use your computer to connect to a computer that is located elsewhere and run programs or access files.

RemoteApp and Desktop ConnectionsAllow remote access to your computerAllow Remote Assistance invitations to be sent from this comp...

Documents (9)

ChatLog dpt03class 2021_12_17 08_57ChatLog DPT_02 2021_09_07 08_57ChatLog DPT_02 2021_09_01 08_51

Files (186)

remote-wslms-vscode-remote.remote-wsl-recommenderremote-infrastructureSee more resultsremote

Filter by tags and attributes or search by keyword

?

1 to 3 of 3

><

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Stat
------	-------------	---------------	-------------------	----------------	---------------	------------

i-0171ce78c63bb497c	t2.micro	us-east-1d	running	2/2 checks passed	None
---------------------	----------	------------	----------------------	--------------------------------	------

i-0645f464d96610801	t2.micro	us-east-1a	running	Initializing	None
---------------------	----------	------------	----------------------	---------------------------	------

Dc49e5bcf33de8ec2	t2.micro	us-east-1a	running	2/2 checks passed	None
-------------------	----------	------------	----------------------	--------------------------------	------

i-0645f464d96610801 (Windows) Public DNS: ec2-54-224-222-136.compute-1.amazonaws.com

Status Checks Monitoring Tags

Instance ID: i-0645f464d96610801

Public DNS (IPv4): ec2-54-224-222-136.compute-1.amazonaws.com

Instance state: running

IPv4 Public IP: 54.224.222.136

Instance type: t2.micro

IPv6 IPs: -

Finding: Opt-in to AWS Compute

Elastic IPs:



Launch Instance

Filter by tags and attributes

 Name Jenkins Server Windows demo-server

Zone	Instance State	Status
	running	2/2
	running	In Progress
	running	2/2

Instance: i-0645f464d96610801 (Windows)

Public DNS: ec2-54-224-222-136.compute-1.amazonaws.com

Description

Status Checks

Monitoring

Tags

Instance ID: i-0645f464d96610801

Public DNS (IPv4): ec2-54-224-222-136.compute-1.amazonaws.com

Instance state: running

IPv4 Public IP: 54.224.222.136

Instance type: t2.micro

IPv6 IPs: -

Finding: Opt-in to AWS Compute

Elastic IPs: -

← → C https://console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:sort=instanceId

Services Search for services, features, blogs

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EC2 Dashboard

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Dedicated Hosts

Launch Instance ▾

Filter by tags and attributes

Name: Kloudways

Jenkins Server

Windows

demo-server

Windows Security

Enter your credentials
These credentials will be used to connect to 54.224.222.136.

Administrator

Password

Domain: iwayQ-PC

Remember my credentials

OK Cancel

Instance: i-0645f464d96610801 (Windows) Public DNS: ec2-54-224-222-136.compute-1.amazonaws.com

Description Status Checks Monitoring Tags

Instance ID	i-0645f464d96610801	Public DNS (IPv4)	ec2-54-224-222-136.compute-1.amazonaws.com
Instance state	running	IPv4 Public IP	54.224.222.136
Instance type	t2.micro	IPv6 IPs	-
Finding	Opt-in to AWS Compute	Elastic IPs	

1 to 3 of 3

Instance State Status Checks Alarm State

running	2/2 checks passed	None
running	Initializing	Loading
running	2/2 checks passed	None

Feedback English (US) ▾

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▼ Instances**Instances**

Instance Types

Launch Templates

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Launch Instance

Connect

Actions

Connect

Get Windows Password

Create Template From Instance

Launch More Like This

Instance State

Instance Settings

Image

Networking

CloudWatch Monitoring

Instance: i-0645f464d96610801 (Windows) Public DNS: ec2-54-224-222-136.compute-1.amazonaws.com

Description

Status Checks

Monitoring

Tags

Instance ID i-0645f464d96610801

Public DNS (IPv4) ec2-54-224-222-136.amazonaws.com

Instance state running

IPv4 Public IP 54.224.222.136

Instance type t2.micro

IPv6 IPs -

Finding Opt-in to AWS Compute

Elastic IPs



For linux -No password option Required

The screenshot shows the AWS EC2 Instances page. On the left, there's a sidebar with various navigation options like EC2 Dashboard, EC2 Global View, Events, Tags, Limits, and Instances. Under Instances, there are sub-options for Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, and Dedicated Hosts. The main content area displays a list of instances. One instance, named "demo-server" with ID i-0c49e5bcf33de8ec2, is selected and highlighted with a blue border. Above this instance, the "Actions" button is clicked, opening a dropdown menu. The menu items are: Connect, Get Windows Password, Create Template From Instance, Launch More Like This, Instance State, Instance Settings, Image, Networking, and CloudWatch Monitoring. The "Connect" item is the first item in the list. Below the instance list, there's a summary section for the selected instance, showing its Description, Status Checks, Monitoring, and Tags tabs. The Description tab is active, displaying details such as Instance ID (i-0c49e5bcf33de8ec2), Public DNS (IPv4) (ec2-54-173-114-16.compute-1.amazonaws.com), Instance state (running), Instance type (t2.micro), and Finding (Opt-in to AWS Compute). The status checks, monitoring, and tags tabs are also visible but not active.

aws Services Search for services, features, blogs, docs, and more [Alt+S] X ?

New EC2 Experience Learn more

EC2 Dashboard

EC2 Global View

Events

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Launch Instance Connect Actions

Filter by tags and attributes or search

Availability Zone Instance State Status

us-east-1d running 2/

us-east-1a running 1/

us-east-1a running 2/

Instance: i-0c49e5bcf33de8ec2 (demo-server) Public DNS: ec2-54-173-114-16.compute-1.amazonaws.com

Description Status Checks Monitoring Tags

Instance ID: i-0c49e5bcf33de8ec2 Public DNS (IPv4): ec2-54-173-114-16.compute-1.amazonaws.com

Instance state: running IPv4 Public IP: 54.173.114.1

Instance type: t2.micro IPv6 IPs: -

Finding: Opt-in to AWS Compute Elastic IPs:

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Retrieve Default Windows Administrator Password



Password not available yet.

Please wait at least 4 minutes after launching an instance before trying to retrieve the auto-generated password.

Note: Passwords are generated during the launch of Amazon Windows AMIs or custom AMIs that have been configured to enable this feature. Instances launched from a custom AMI without this feature enabled use the username and password of the AMI's parent instance.

Try again

Cancel

Decrypt Password

Instance type

Version

Finding

Opt-in to AWS Compute

Elastic IPs



Launch Insta



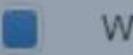
Filter by ta



Name



Jenkins



Window



demo-se

Instance: i-

Description

Retrieve Default Windows Administrator Password



To access this instance remotely (e.g. Remote Desktop Connection), you will need your Windows Administrator password. A default password was created when the instance was launched and is available encrypted in the system log.

To decrypt your password, you will need your key pair for this instance. Browse to your key pair, or copy and paste the contents of your private key file into the text area below, then click Decrypt Password.

The following Key Pair was associated with this instance when it was created.

Key Name windows-key

In order to retrieve your password you will need to specify the path of this Key Pair on your local machine:

Key Pair Path No file chosen

Or you can copy and paste the contents of the Key Pair below:

Paste contents of private key file here



Password Generated for Windows server



Password Decryption Successful

The password for instance i-0645f464d96610801 (Windows) was successfully decrypted.



Password change recommended

We recommend that you change your default password. Note: If a default password is changed, it cannot be retrieved through this tool. It's important that you change your password to one that you will remember.

You can connect remotely using this information:

Public DNS ec2-54-224-222-136.compute-1.amazonaws.com

User name Administrator

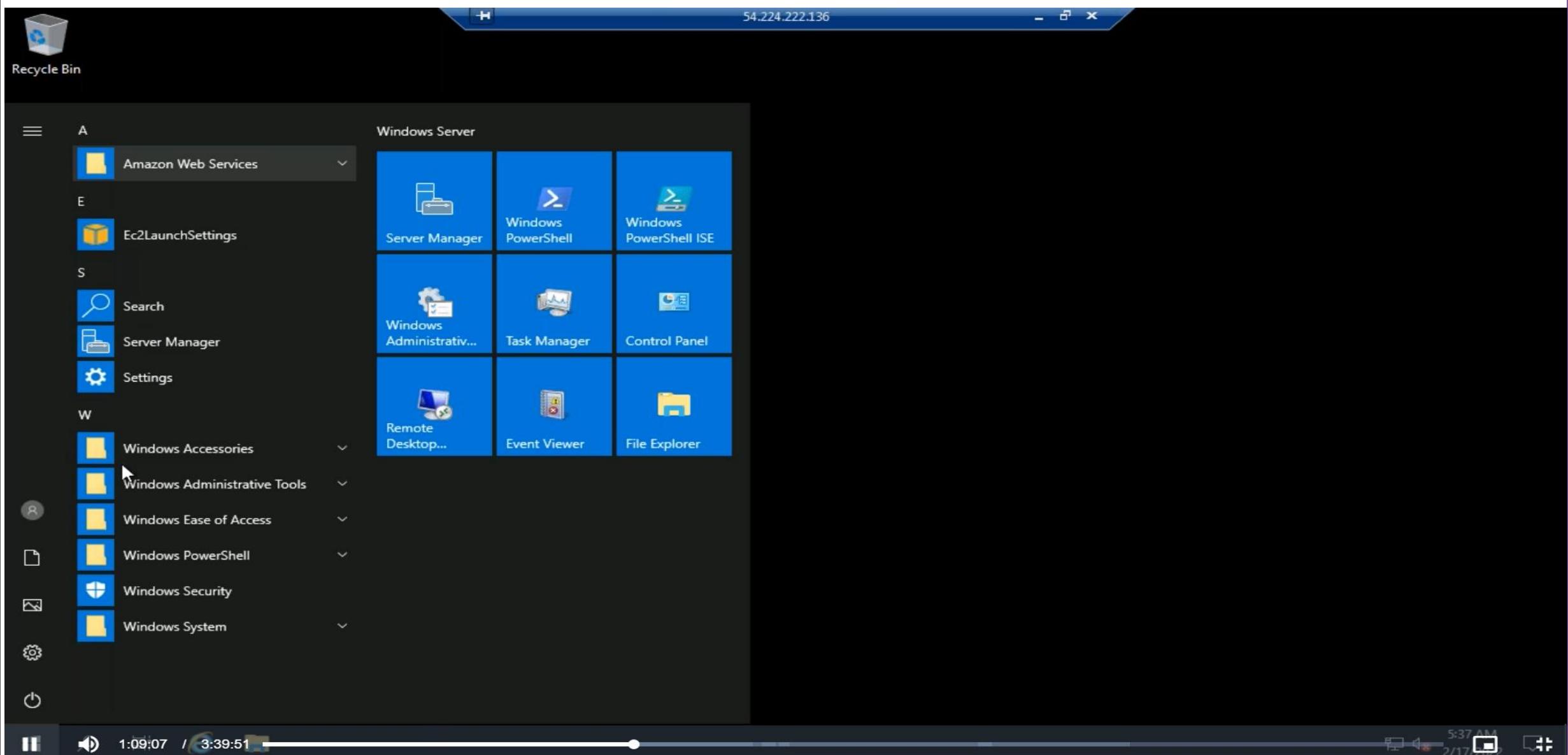
Password pT4DWgT9OohLImk;w.p%o;r6H)EZ!=ob 

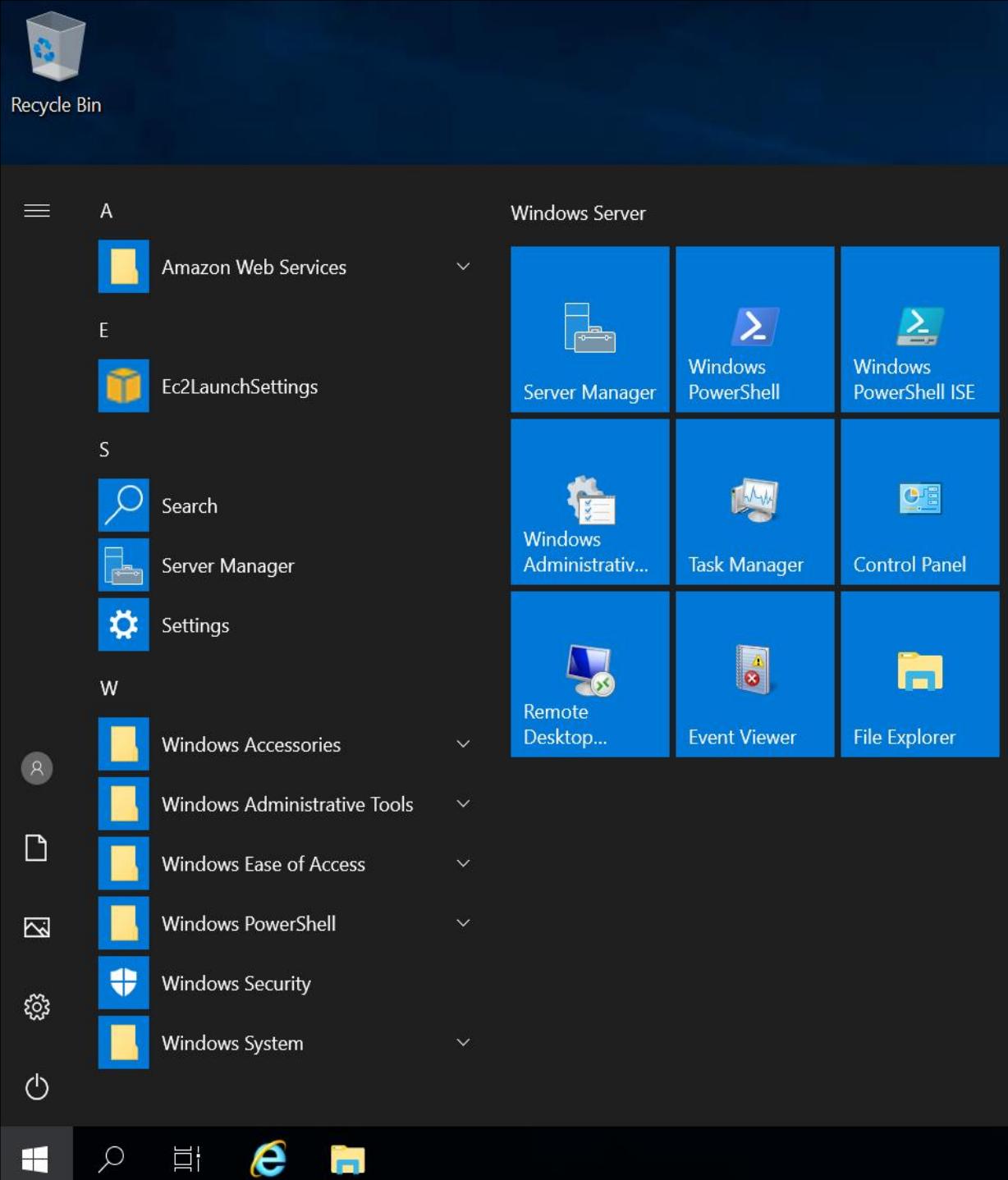


Close



Windows server Running on AWS





Hostname: EC2AMAZ-B3HNA3I
Instance ID: i-01cc1b362432074ff
Public IPv4 Address: 13.233.207.62
Private IPv4 Address: 172.31.47.249
Instance Size: t2.micro
Availability Zone: ap-south-1a
Architecture: AMD64
Total Memory: 1024 MB
Network Performance: Low to Moderate



Allocate IP address to Virtual Address

- When we stop the Server. The Public ip address of the server will also deactivated.
- When we Restart the Server different Public ip address will be generated.

*attention.
always.*



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.

No tags associated with the resource.

[Add new tag](#)

You can add up to 50 more tag

Cancel

Allocate

EC2 Management Console

https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#Addresses:public-ip=43.205.16.62

New EC2 Experience [Tell us what you think](#)

Elastic IP address allocated successfully.
Elastic IP address 43.205.16.62

Associate this Elastic IP address

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- Savings Plans
- Reserved Instances [New](#)
- Dedicated Hosts
- Capacity Reservations

Images

Elastic IP addresses (1/1)

Filter Elastic IP addresses

Public IPv4 address: 43.205.16.62 [X](#) [Clear filters](#)

<input checked="" type="checkbox"/>	Name	Allocated IPv4 add...	Type	Allocation ID	R
<input checked="" type="checkbox"/>	-	43.205.16.62	Public IP	eipalloc-0e6c23600199973f0	-

43.205.16.62

[Summary](#) [Tags](#)

Summary

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▼ Images

Elastic IP addresses (1/1)



Actions ▾

Allocate Elastic IP address

Filter Elastic IP addresses

Public IPv4 address: 43.205.16.62 X

Clear filters

<input checked="" type="checkbox"/>	Name	Allocated IPv4 add...	Type	
<input checked="" type="checkbox"/>	-	43.205.16.62	Public IP	ipalloc-e6e02300000199973f0 -

43.205.16.62

Summary

Tags

Summary

Allocated IPv4 address

Type

Allocation ID

Reverse DNS record

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Instance State: Running Add filter ? < 1 to 3 of 3 >

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status
Jenkins Server	i-0171ce78c63bb497c	t2.micro	us-east-1d	running	2/2 checks passed	None
Windows	i-0645f464d96610801	t2.micro	us-east-1a	running	2/2 checks passed	None
demo-server	i-0c49e5bcf33de8ec2	t2.micro	us-east-1a	running	Initializing	None

Instance: i-0c49e5bcf33de8ec2 (demo-server) Elastic IP: 52.1.59.10

Description Status Checks Monitoring Tags

Instance ID	i-0c49e5bcf33de8ec2	Public DNS (IPv4)	ec2-52-1-59-10.compute-1.amazonaws.com
Instance state	running	IPv4 Public IP	52.1.59.10
Instance type	t2.micro	IPv6 IPs	-
Finding	Opt-in to AWS Compute	Elastic IPs	52.1.59.10*

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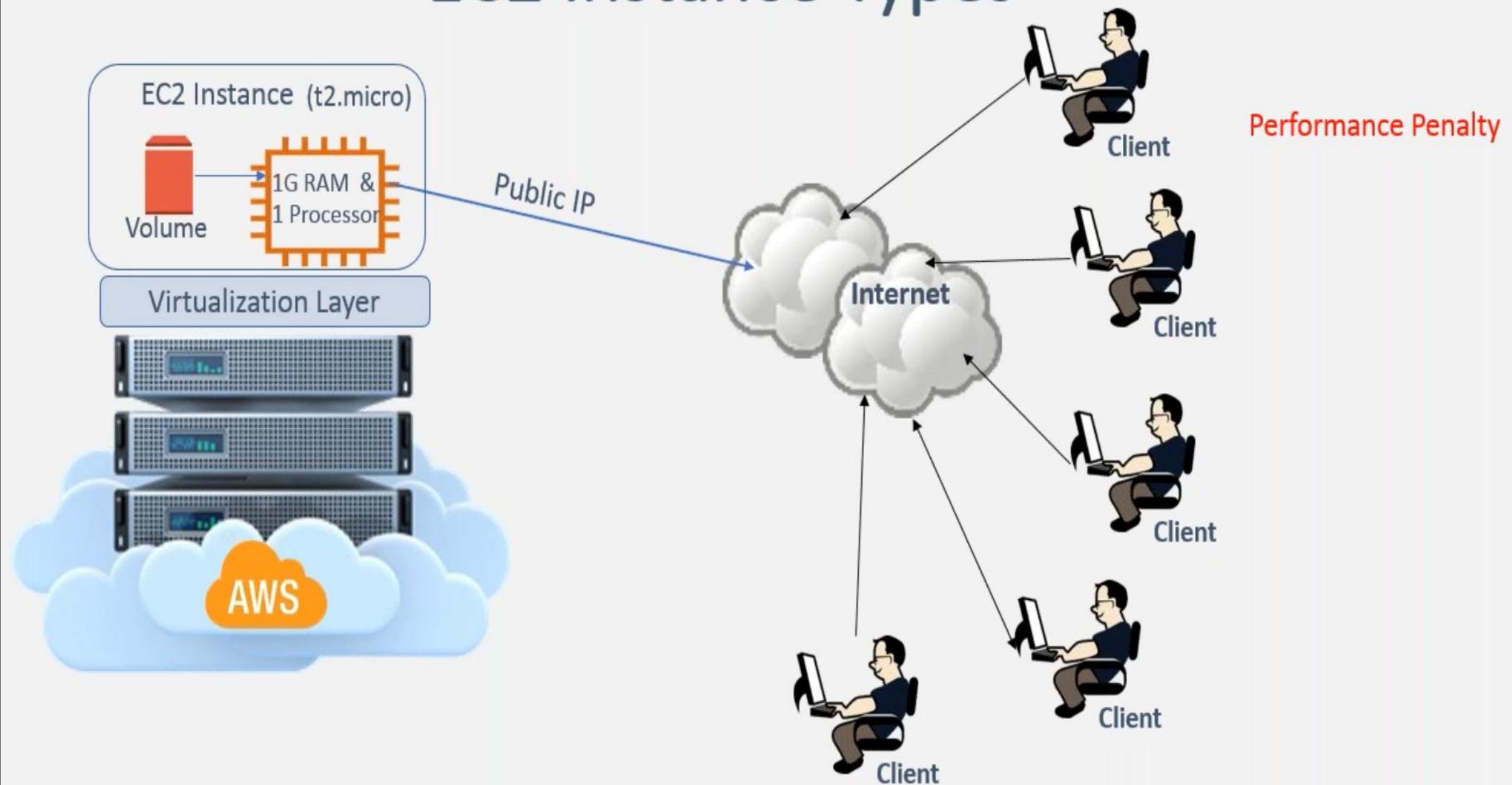
Vertical Scaling

Vertical - If we are changing the Capacity for same server
Scaling - Changing the computer Resources capacity

*attention.
always.*



EC2 Instance Types



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Filter by tags and attributes or search

Name Instance ID

- Jenkins Server i-01710
- Windows i-0645f
- demo-server i-0c49e

Availability Zone Instance State Status Checks Alarm S

us-east-1d	running	2/2 checks passed	None
		2/2 checks passed	None
			None

Instance: i-0c49e5bcf33de8ec2 (demo-server) Elastic IP: 52.1.59.

Description Status Checks Monitoring Tags

Instance ID: i-0c49e5bcf33de8ec2

Instance state: stopped

Instance type: t2.micro

Finding: Opt-in to AWS Compute

Actions

- Connect
- Get Windows Password
- Create Template From Instance
- Launch More Like This
- Instance State
- Instance Settings
- Image
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- CloudWatch Monitoring
- Change Instance Type
- Change Termination Protection
- View/Change User Data
- Change Shutdown Behavior
- Change T2/T3 Unlimited
- Change Nitro Enclaves
- Get System Log
- Get Instance Screenshot
- Modify Instance Placement
- Modify Capacity Reservation Settings

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Instances (1/3)



Connect

Instance state ▾

Actions ▾

Launch instances



< 1 >



Search

-	Name	Instance ID	Instance state	Instance type	Status check	Alarm status
<input checked="" type="checkbox"/>	Aspire_Trainingbay	i-0268a8e4379318112	Terminated	t2.micro	-	No alarms
<input type="checkbox"/>	Asp_window	i-01cc1b362432074ff	Terminated	t2.micro	-	No alarms
<input type="checkbox"/>	AspireIAS	i-0e7346fe174c4866b	Terminated	t2.micro	-	No alarms

Instance: i-0268a8e4379318112 (Aspire_Trainingbay)

Security

Networking

Storage

Status checks

Monitoring

Tags

▼ Instance summary

Instance ID

 i-0268a8e4379318112
(Aspire_Trainingbay)

Public IPv4 address

-

Private IPv4 addresses

-

IPv6 address

Instance state

Public IPv4 DNS

-

Terminated

-

Questions?



Thank you
naveen.subramaniam@aspiresys.com

