### **EC2 INSTANCE**

## What is AWS(Amazon Web Services)?

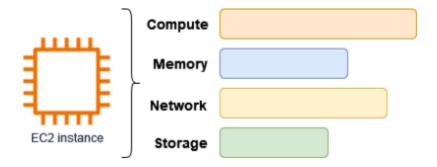
AWS is a comprehensive cloud platform offering a wide range of services such as storage, computing, databases, and networking. It enables businesses to build, deploy, and manage applications without the need for physical infrastructure.

# Features AWS provides are:

- Global Cloud Platform
- Used by around 80 percent of Fortune 500 Companies
- Infrastructure as Service
- Platform as Service
- Software as Service
- Cloud Storage Platform

#### What is Amazon EC2?

Amazon Elastic Compute Cloud (Amazon EC2) provides on-demand, scalable computing capacity in the Amazon Web Services (AWS) Cloud. Using Amazon EC2 reduces hardware costs so you can develop and deploy applications faster. You can use Amazon EC2 to launch as many or as few virtual servers as you need, configure security and networking, and manage storage. You can add capacity (scale up) to handle compute-heavy tasks, such as monthly or yearly processes, or spikes in website traffic. When usage decreases, you can reduce capacity (scale down) again. An EC2 instance is a virtual server in the AWS Cloud. When you launch an EC2 instance, the instance type that you specify determines the hardware available to your instance. Each instance type offers a different balance of compute, memory, network, and storage resources.

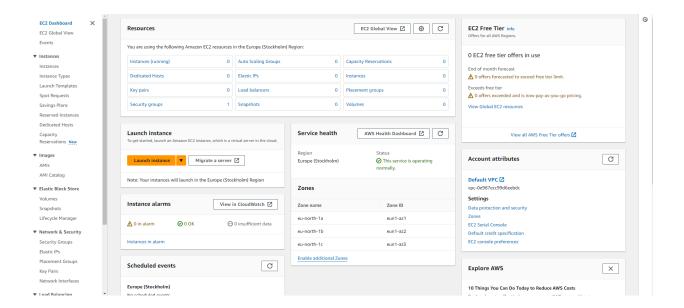


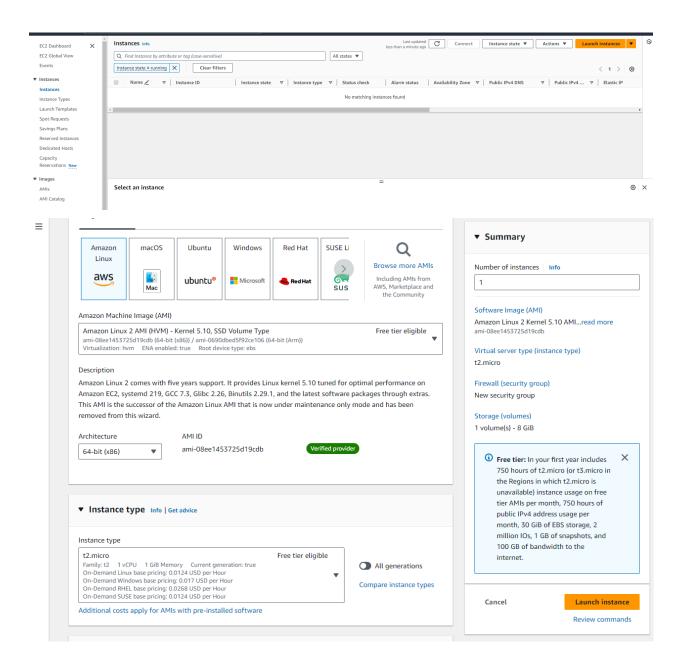
### **Features of Amazon EC2**

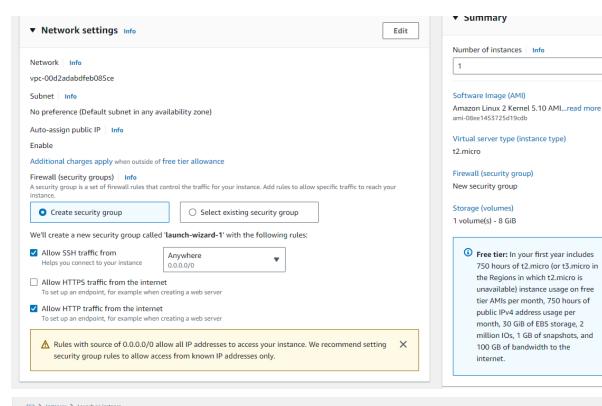
Amazon EC2 provides the following high-level features:

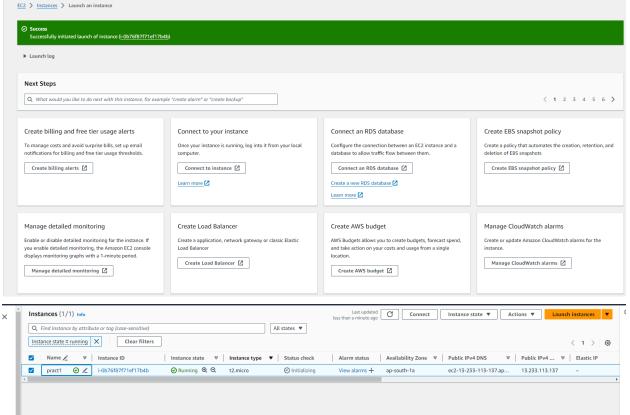
• Instances: Virtual servers.

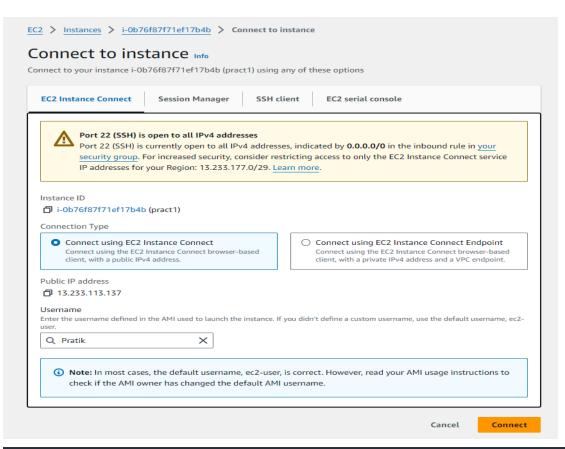
- Amazon Machine Images (AMIs): Preconfigured templates for your instances that package the components you need for your server (including the operating system and additional software).
- Instance types: Various configurations of CPU, memory, storage, networking capacity, and graphics hardware for your instances.
- Amazon EBS volumes: Persistent storage volumes for your data using Amazon Elastic Block Store (Amazon EBS).
- Instance store volumes: Storage volumes for temporary data that is deleted when you stop, hibernate, or terminate your instance.
- Key pairs: Secure login information for your instances. AWS stores the public key and you store the private key in a secure place.
- Security groups: A virtual firewall that allows you to specify the protocols, ports, and source IP ranges that can reach your instances, and the destination IP ranges to which your instances can connect.













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| FeeD teases | 1972-31-4-3-77 - 7-3 | python --version | Python 2.7-13 | pyth
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Installed:
httpd://doi.org/10.10.20.20

Dependency Installed:
apr-util.x86_64 0:1.6.3-1.amzn2.0.2 
Dependency Installed:
apr-util.x86_64 0:1.6.3-1.amzn2.0.1 apr-util-bdb.x86_64 0:1.6.3-1.amzn2.0.1 generic-logos-httpd.noarch 0:18.0.0-4.amzn2 httpd-filesystem.noarch 0:2.4.62-1.amzn2.0.2 
httpd-tools.x86_64 0:2.4.62-1.amzn2.0.2 amileap.noarch 0:2.4.42-2.amzn2 mod_http2.x86_64 0:1.15.19-1.amzn2.0.2

Complete
[con84p:172-31-43-7] ec2-user] # systemed start httpd
[con84p:172-31-43-7] ec2-user] # systemed start enable httpd
Railed to start enable.service: Unit not found.
[con84p:172-31-43-7] ec2-user] # systemed enable httpd
Created symlink from /etc/systemed/system/system/shitpd.service to /usr/lib/systems/system/httpd.service.
[con84p:172-31-43-7] ec2-user] # systemed: enable httpd
Created symlink from /etc/systems/system/system/system/system/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/systems/syst
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Conclusion: Amazon Web Services (AWS) is a leading cloud computing platform that offers a wide range of scalable and flexible services for businesses and developers. Key features include cost-effectiveness, robust security, and a comprehensive suite of tools. Among these services, EC2 (Elastic Compute Cloud) provides virtual server instances optimized for various workloads, allowing users to run everything from simple applications to complex data processing tasks. Together, AWS and EC2 enable organizations to leverage cloud technology for greater innovation and operational efficiency.