What is Cloud Computing?

Tulip (Lale)

=

Tenancy

Shared tenancy	Dedicated Instance	Dedicated Host
Share your hardware.	Isolate your hardware.	Control your hardware.

D = potential compute available
$ = purchased compute
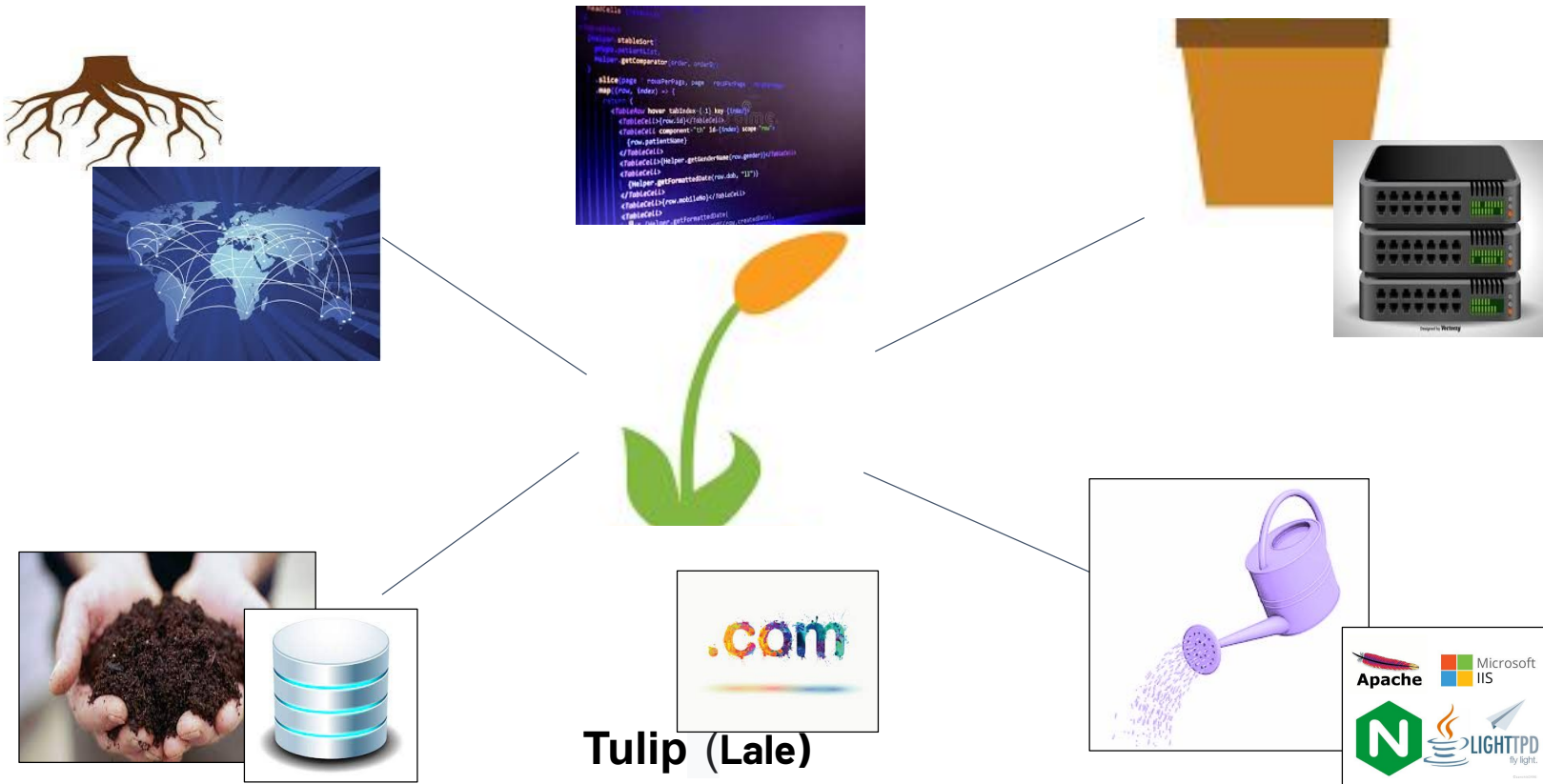
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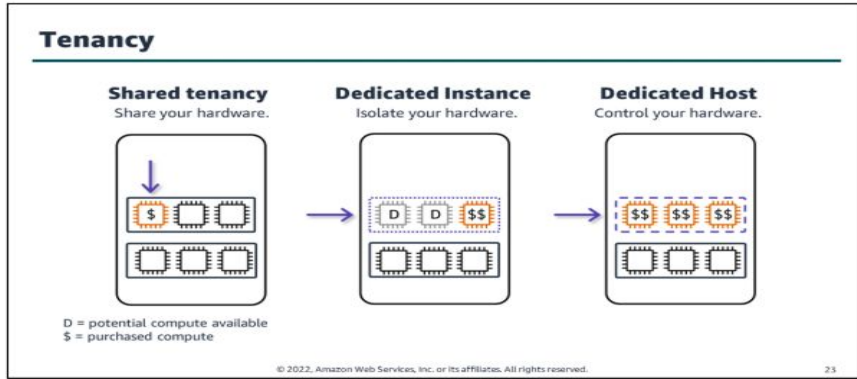**By default**, EC2 instances have *shared tenancy*, meaning multiple AWS accounts might share the same physical hardware.

Dedicated Instances are EC2 instances that are physically isolated at the host hardware level from instances that aren't dedicated and from instances that belong to other AWS accounts.
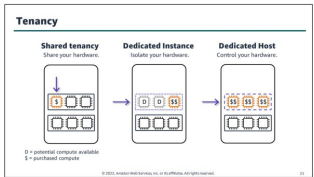
When you launch instances on a *Dedicated Host*, the instances run on a physical server with EC2 instance capacity fully dedicated to your use. You are provided an isolated server with configurations that you can control. With Dedicated Hosts, you have the option to allow AWS to automatically select a server to place your instance. Or you can manually select a dedicated server to place your instance.

This lets you deploy instances using configurations to address corporate compliance and regulatory requirements. Dedicated Hosts let you use your existing per-socket, per-core, or per-VM software licenses. These software licenses are bound to VMs, sockets, or physical cores, subject to your license terms, and include, among others:

- Microsoft Windows Server
- Microsoft SQL Server
- SUSE Linux Enterprise Server

Dedicated Host

Dedicated Instance

Bizim Instance

Amazon Machine Image + EBS Volumes + Instance Type + IP + Security Group = EC2

Red Hat Amazon Linux

Windows 10 O/S

512 GB SSD

(intel)

10th Gen Intel® Core™

IP
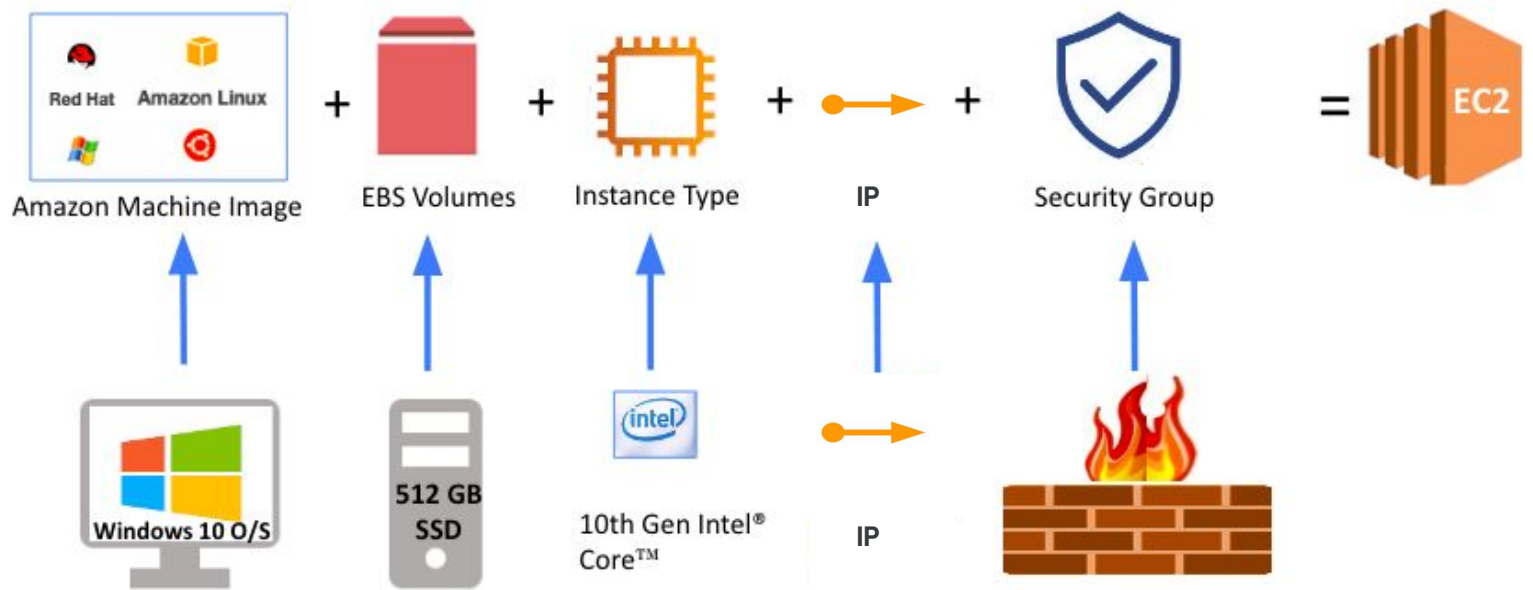
Region-Based & Reusable

Keypair + Security Group

The **KEY** of the instance is **VALUE**

Key	(128 characters maximum)	Value	(256 characters maximum)
Name		First EC2	
Department		Supply	
Type		Web	

The **NAME** of the instance is **FIRST EC2**
The **DEPARTMENT** of the instance is **SUPPLY**
The **TYPE** of the instance is **WEB**

EC2

GUEST LIST

SECURITY
GROUP

Stateful

AWS CLUB

SSH HTTP UDP

Inbound Rule

Outbound Rule

defines who can **join** the party

defines who can **leave** the party

TWO KEYS CREATED FOR SHH AFTER LAUNCHING

aws

PRİVATE KEY

PUBLIC KEY

SSH
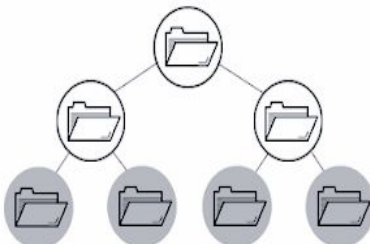
Downloads

PRIVATE KEY
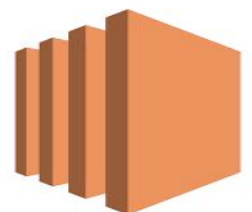
PUBLIC KEY

Go the directory of folder where your key.pem is located
Connect

Linux/Mac

cd Downloads
ls
firstkey.pem

Git Bash
Windows 10 Powershell

cd \Downloads\
ls
firstkey.pem

WSL

cd /mnt/c/Users/Osvaldo/Downloads
ls
firstkey.pem
cp firstkey.pem ~
cd (go to home directory)
ls
firstkey.pem

- -

chmod 400 firstkey.pem

---No chmod 400---

chmod 400 firstkey.pem

ssh -i firstkey.pem ec2-user@publicIP of Instance

cp firstkey.pem ~

Windows File System

mnt

WSL File System

C

Users

osvaldo

Downloads

firstkey.pem

~

soil = ?

APPLICATION

EC2

EC2

Start, Stop & Restart Apache Server

Apache

NGINX

Test Page

This page is used to test the proper operation of the Apache HTTP server after it has been installed. If you can read this page, it means that the Apache HTTP server installed at this site is working properly.

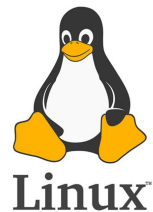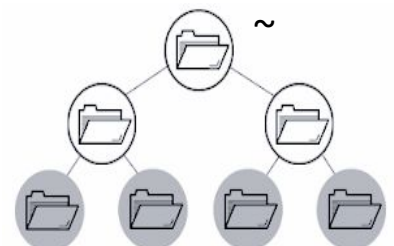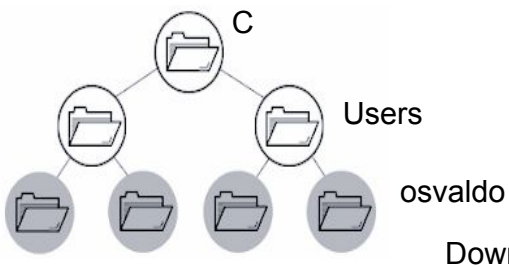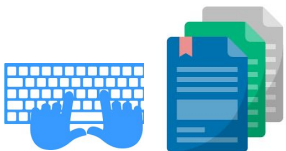**If you are a member of the general public:**

The fact that you are seeing this page indicates that the website you just visited is either experiencing problems, or is undergoing routine maintenance.

If you would like to let the administrators of this website know that you've seen this page instead of the page you expected, you should send them e-mail. In general, mail sent to the name "webmaster" and directed to the website's domain should reach the appropriate person.

For example, if you experienced problems while visiting www.example.com, you should send e-mail to "webmaster@example.com".

If you are the website administrator:

You may now add content to the directory /var/www/html/. Note that until you do so, people visiting your website will see this page, and not your content. To prevent this page from ever being used, follow the instructions in the file /etc/httpd/conf.d/welcome.conf.

You are free to use the image below on web sites powered by the Apache HTTP Server:

Powered by APACHE 2.4

Welcome to **nginx** on the Amazon Linux AMI!

This page is used to test the proper operation of the **nginx** HTTP server after it has been installed. If you can read this page, it means that the web server installed at this site is working properly.

Website Administrator

This is the default index.html page that is distributed with **nginx** on the Amazon Linux AMI. It is located in /usr/share/nginx/html.

You should now put your content in a location of your choice and edit the root configuration directive in the **nginx** configuration file /etc/nginx/nginx.conf.

NGINX NGINX

It works!

/etc/httpd/conf.d/

cd /var/www/html

------(NOTHING)

/usr/share/httpd/noindex

+ -------Index.html

CUSTOMIZED PAGE

CLARUSWAY

Online IT Bootcamp To Advance Your Career