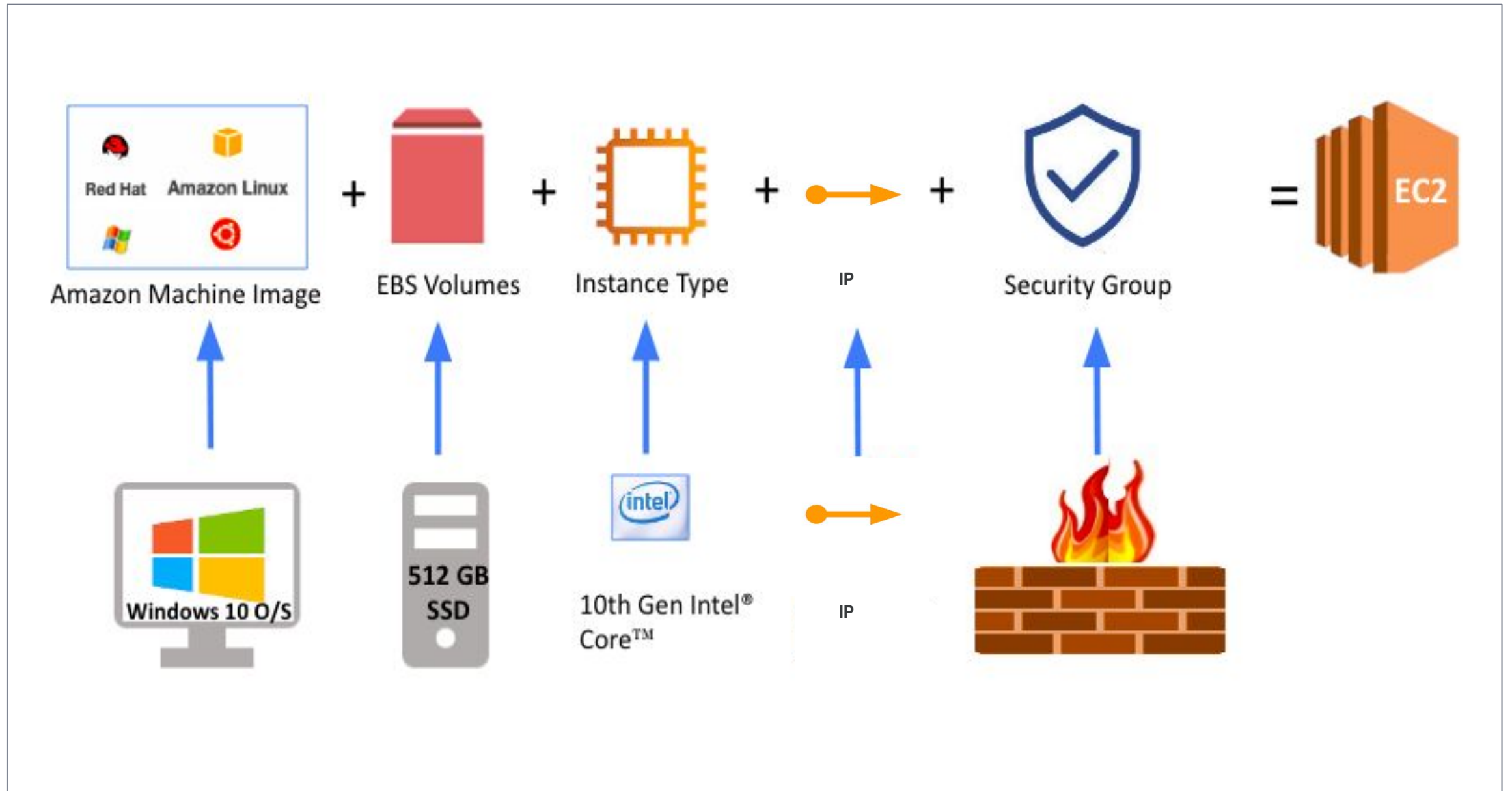


1

EC2 Linux Hands-On Lab

Connect to your EC2 Instance



[AWS Free Tier now includes 750 hours of free Public IPv4 addresses](#)

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**



**SECURITY
GROUP**



Inbound Rule



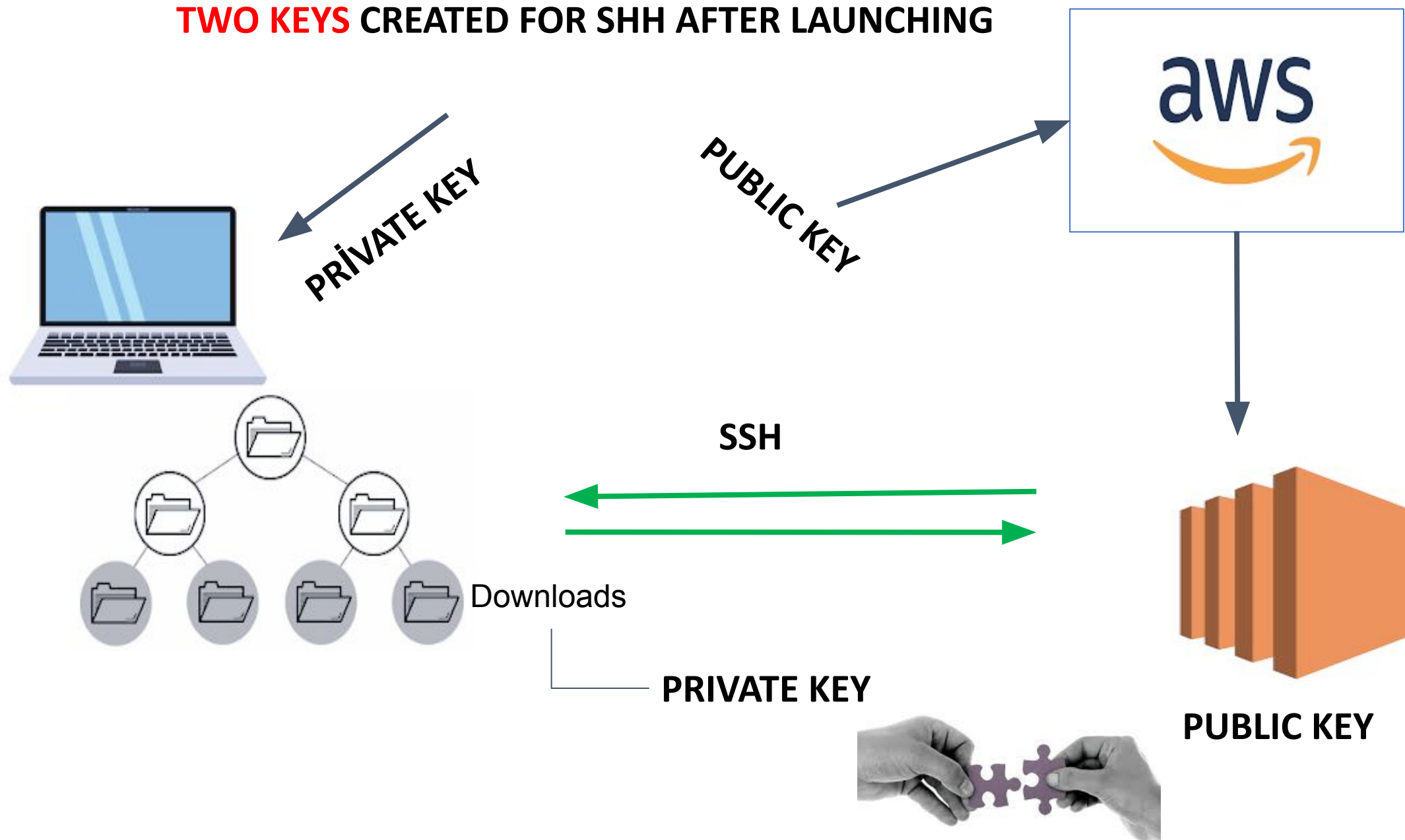
defines who can **join** the party

Outbound Rule



defines who can **leave** the party

TWO KEYS CREATED FOR SSH AFTER LAUNCHING



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

Connect

Linux/Mac

Git Bash
Windows 10 Powershell

WSL

```
cd Downloads  
ls  
firstkey.pem
```

```
cd \Downloads\  
ls  
firstkey.pem
```

```
cd /mnt/c/Users/paul/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
```

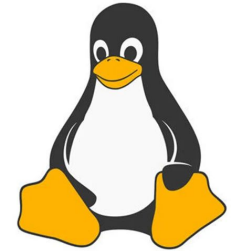
`cp firstkey.pem ~`



Windows File System

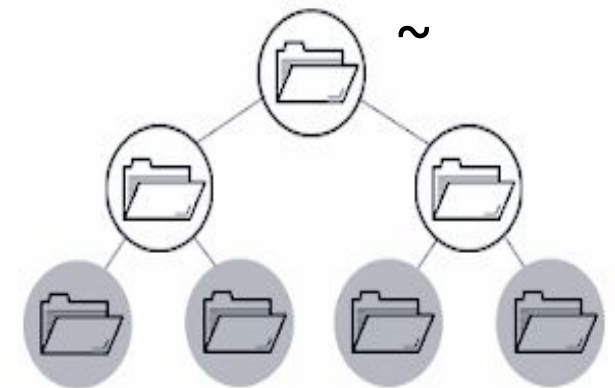
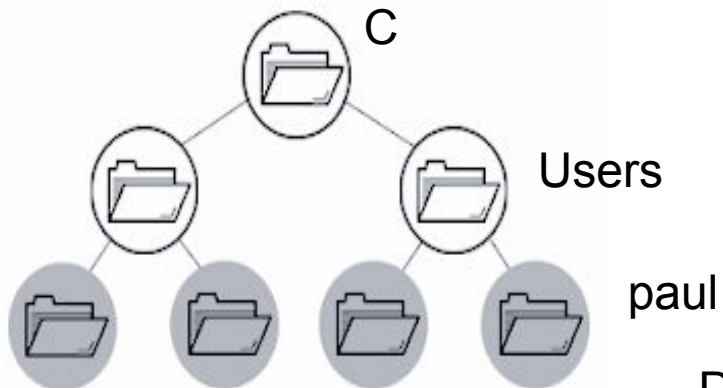


mnt

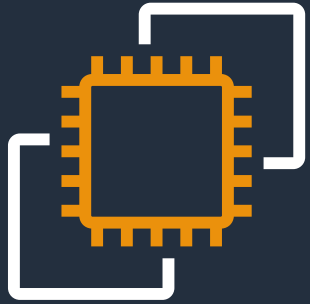


Linux

WSL File System



Amazon Elastic Compute Cloud (Amazon EC2)



AMAZON EC2

Linux | Windows | Mac

Arm and x86 architectures

General purpose and workload optimized

Packaged | Custom | Community AMIs

Instance Naming

Instance generation

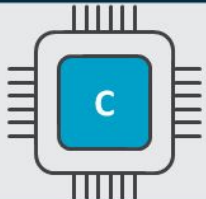
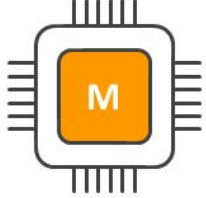
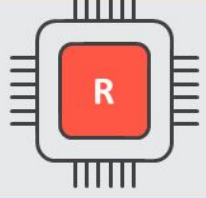

c6id.xlarge

Instance
family

Attribute(s)

Instance size

Instance Families

Family	Focus	Ratio (vCPU : Memory)
	Compute Optimized (c5/c5d) (c6id/c6gd)	1:2
	General Purpose (m5/m5d)	1:4
	Memory Intensive (r5/r5d)	1:8
	Graphics Optimized (g4dn)	1:4 + GPU NVIDIA T4 GPUs

Example - m5 Instance Sizes

.large is the
smallest size w/ 2
vCPUs



Instance Size	vCPU	Memory (GiB)
m5.large	2	8
m5.xlarge	4	16
m5.2xlarge	8	32
m5.4xlarge	16	64
m5.8xlarge	32	128
m5.12xlarge	48	192
m5.16xlarge	64	256
m5.24xlarge	96	384

m5 ratio 1:4



24xlarge is the
server size



<https://aws.amazon.com/ec2/instance-types/m5/>

Example – c6id Instance Sizes

.large is the
smallest size w/ 2
vCPUs



Instance Size	vCPU	Memory (GiB)
C6id.large	2	4
C6id.xlarge	4	8
C6id.2xlarge	8	16
C6id.4xlarge	16	32
C6id.8xlarge	32	64
C6id.16xlarge	64	128
C6id.32xlarge	128	256

C6id ratio 1:2



32xlarge is the
server size



<https://aws.amazon.com/ec2/instance-types/c6i/>

Instance Sizing

