

The image features a white background with four purple triangles in the corners, pointing towards the center. The word "ondia" is centered in a bold, lowercase, sans-serif font. The letters "o", "n", and "d" are a medium purple, while "i" and "a" are a darker blue-purple. The letter "d" has a decorative graphic element on its upper right side, consisting of a light blue semi-circle and a teal shape that overlaps the top of the letter.

ondia



# AWS CLI



# AGENDA



- ▶ **What is AWS CLI?**
- ▶ **Installing AWS CLI Locally**
  - Windows
  - Mac
  - Linux
- ▶ **Configuring AWS CLI**
- ▶ **Examples**



CLI

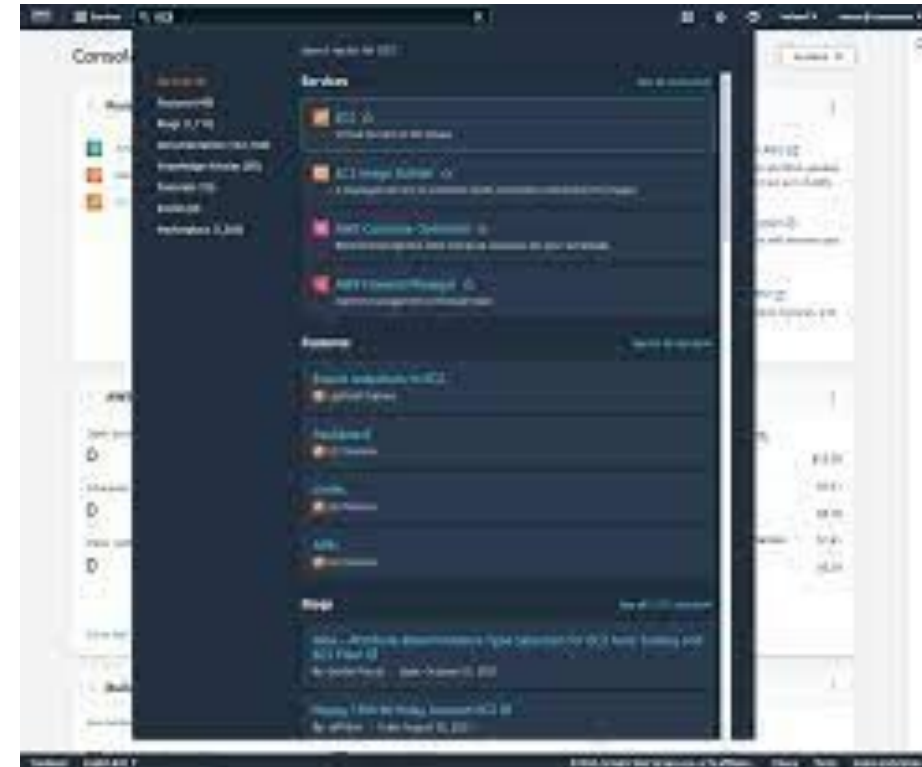
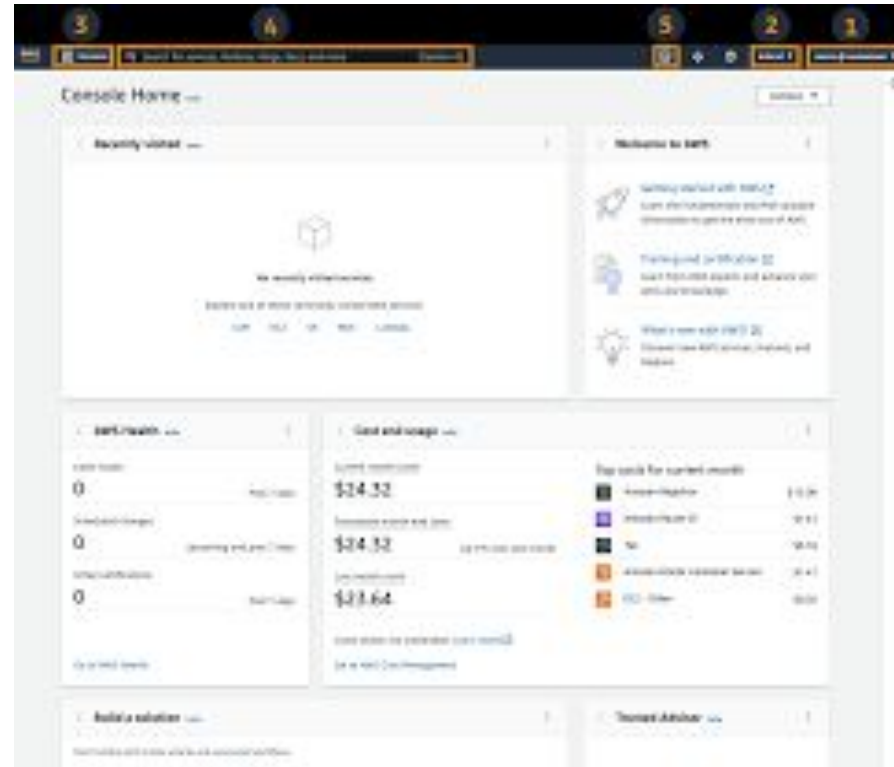


Ultimate Goal = Accessing AWS and Resources



## Option 1

## AWS Management Console - Graphical User Interface GUI





# CLI

## Option 2

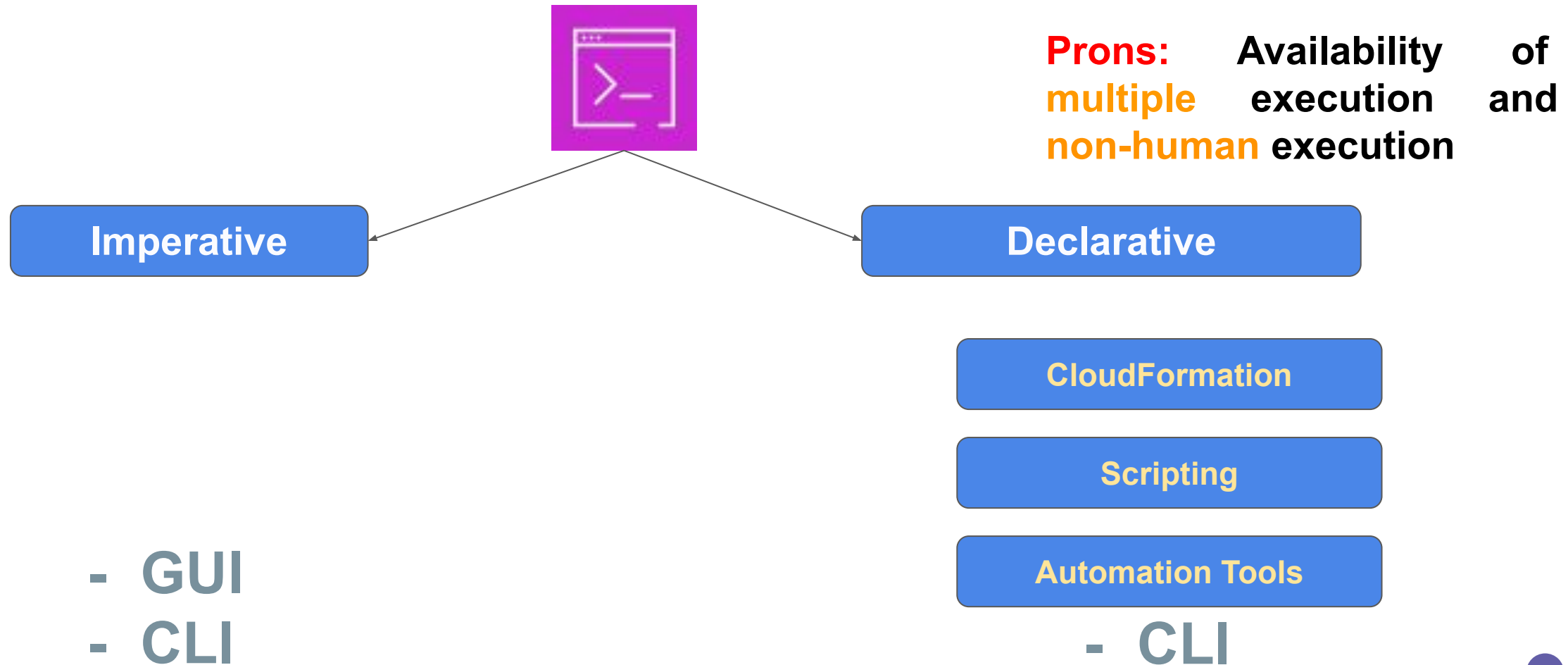
## AWS Command Line Interface CLI



```
guile@LAPTOP-O4O3C63R: ~  
guile@LAPTOP-O4O3C63R:~$ aws --version  
aws-cli/2.0.30 Python/3.7.3 Linux/4.19.104-microsoft-standard botocore/2.0.0dev34  
guile@LAPTOP-O4O3C63R:~$ aws sts get-caller-identity  
Account: '046402772087'  
Arn: arn:aws:iam::046402772087:user/guile  
UserId: AIDAQVTOSDR35UHZMWX33  
guile@LAPTOP-O4O3C63R:~$ aws s3 ls  
2022-06-27 15:45:06 adu-helm  
2022-08-10 23:26:01 aduncan-auto-tfvar-bucket-0  
2022-08-10 23:26:01 aduncan-auto-tfvar-bucket-1  
2022-08-10 23:33:32 aduncan-auto-tfvar-bucket-2  
2020-08-25 22:11:59 cf-templates-5mfgdye7649f-eu-central-1  
2022-02-18 17:06:58 cf-templates-5mfgdye7649f-eu-west-1  
2021-04-03 01:13:30 cf-templates-5mfgdye7649f-sa-east-1  
2020-06-20 16:44:01 cf-templates-5mfgdye7649f-us-east-1  
2020-06-20 15:52:29 cf-templates-5mfgdye7649f-us-east-2  
2022-08-30 02:08:59 cf-templates-5mfgdye7649f-us-west-1  
2020-10-14 12:24:44 cf-templates-5mfgdye7649f-us-west-2
```



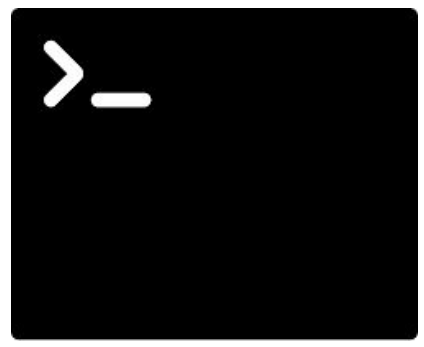
## Why do we need CLI







# CLI



Terminal



Install AWS CLI locally



Install AWS CLI on  
any server

CLI



Amazon  
EC2



SSH



Terminal

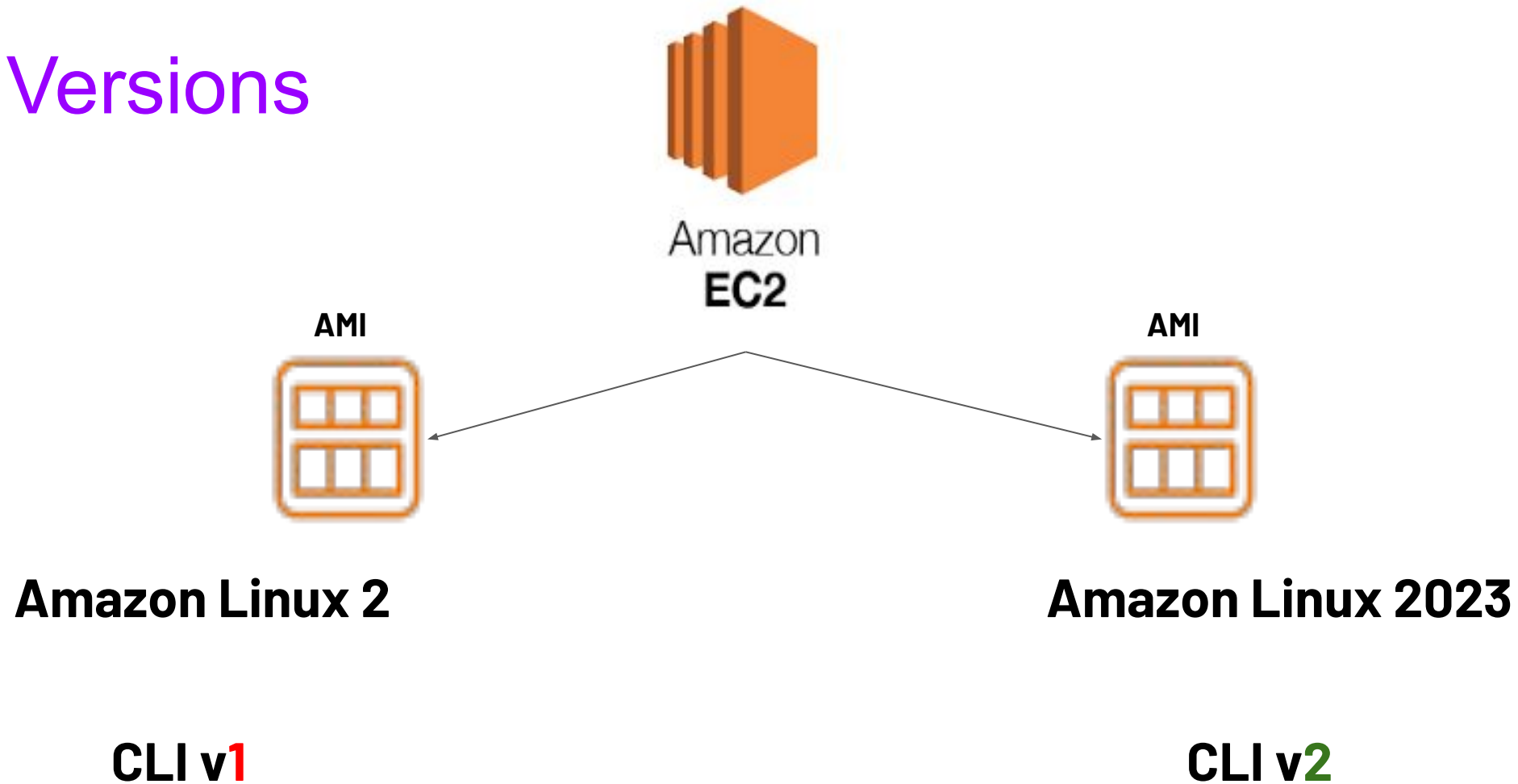


Win/Mac/Linux/WSL/VM

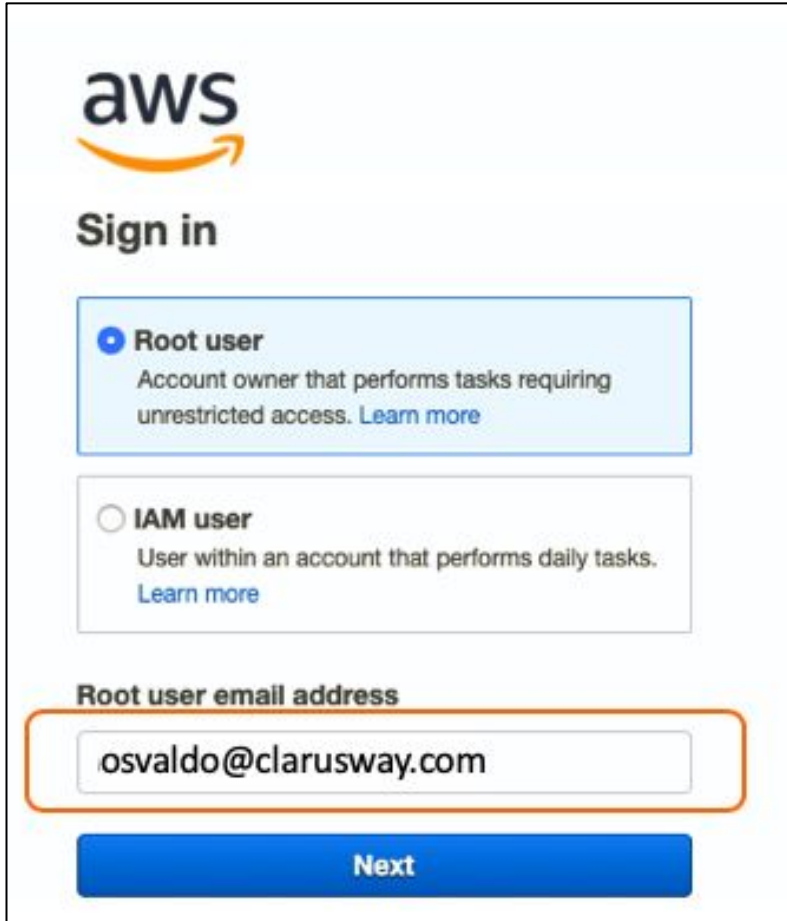


# CLI

## CLI Versions



# Sign in AWS Management Console Access



The AWS Sign in screen displays the AWS logo and the text "Sign in". Below this, there are two radio button options: "Root user" (selected) and "IAM user". The "Root user" option includes a description: "Account owner that performs tasks requiring unrestricted access. [Learn more](#)". The "IAM user" option includes a description: "User within an account that performs daily tasks. [Learn more](#)". Below these options, there is a label "Root user email address" and a text input field containing "osvaldo@clarusway.com". The input field is highlighted with an orange border. At the bottom, there is a blue "Next" button.

aws

Sign in

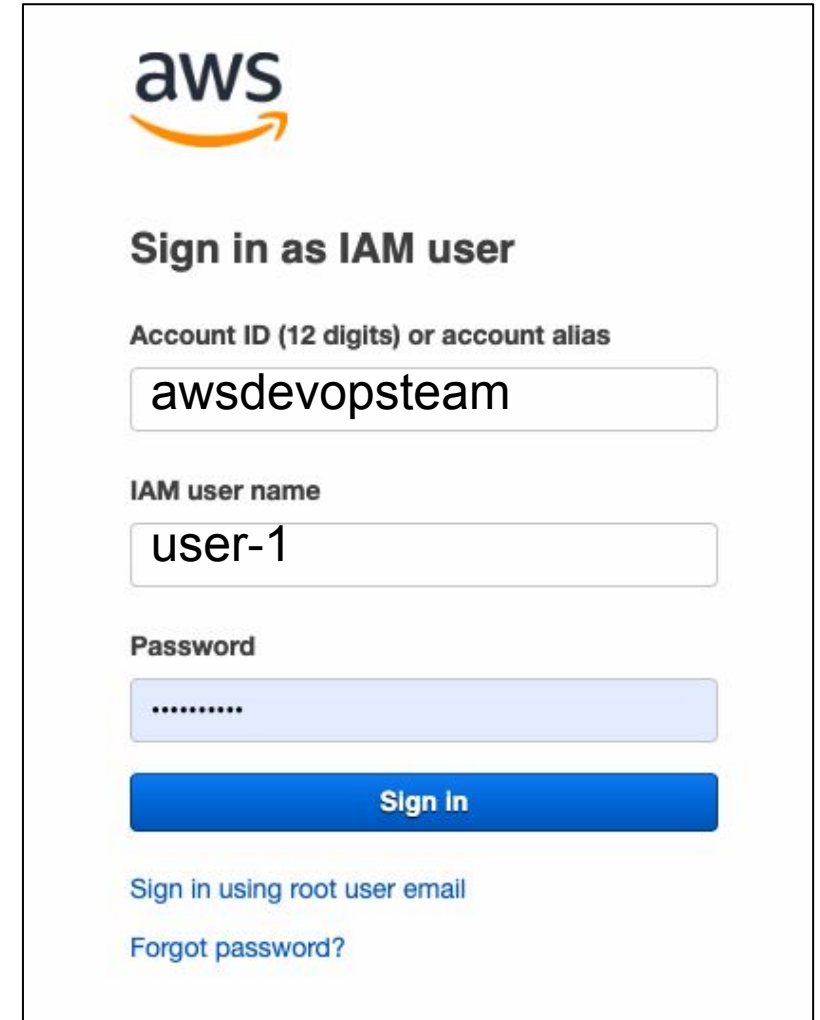
☒ **Root user**  
Account owner that performs tasks requiring unrestricted access. [Learn more](#)

☐ **IAM user**  
User within an account that performs daily tasks. [Learn more](#)

Root user email address

osvaldo@clarusway.com

Next



The "Sign in as IAM user" screen displays the AWS logo and the text "Sign in as IAM user". Below this, there is a label "Account ID (12 digits) or account alias" and a text input field containing "awsdevopsteam". Below that, there is a label "IAM user name" and a text input field containing "user-1". Below that, there is a label "Password" and a text input field with masked characters ".....". At the bottom, there is a blue "Sign In" button. Below the button, there are two links: "Sign in using root user email" and "Forgot password?".

aws

Sign in as IAM user

Account ID (12 digits) or account alias

awsdevopsteam

IAM user name

user-1

Password

.....

Sign In

[Sign in using root user email](#)

[Forgot password?](#)

# CLI



```
Last login: Wed Apr 22 18:08:03 on ttys000
Osman-MacBook-Air:~ ottoinlove$

Last login: Fri Apr 24 22:44:56 on ttys000
Clarusway-MacBook-Air:~ user$
```

**Access Key ID !!!!!**

**Secret Access Key !!!!!**

**\*\*ROOT USER**

**IAM USER.**

# CLI



**YOUR TERMINAL**



**SECRET ACCESS KEY  
ACCESS KEY ID**



**AWS CLI**

# CLI- Install CLI



## - Windows



### Using

- PowerShell,
- Command Prompt,
- Git Bash

## - Mac



### Using

- Terminal

## - Linux



**Amazon Linux  
2023**

### Using

- Terminal

\*If you want to use CLI on WSL environment you need to install CLI on WSL in addition to Windows

# CLI- Create Keys for Configuring CLI

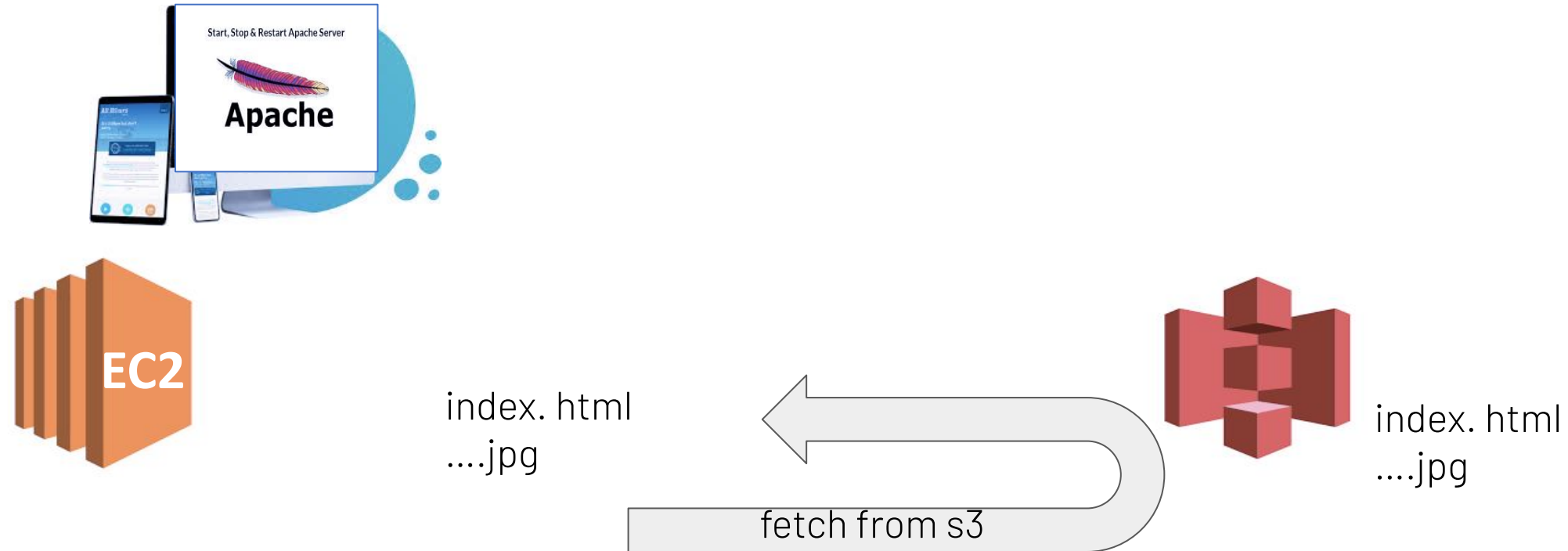


***Access Key ID !!!!!***

***Secret Access Key !!!!!***



# CLI - Role vs. CLI



# CLI - describe-instances command



## describe-instances

**--region <value>**

**--instance-ids <value>**

- region us-east-1

**Options**  
**--filter**

Name = **Defined in doc.**

Values = Specific to instance (**you define**)



Name = key-name

Values = osvaldo

**--query <value>**

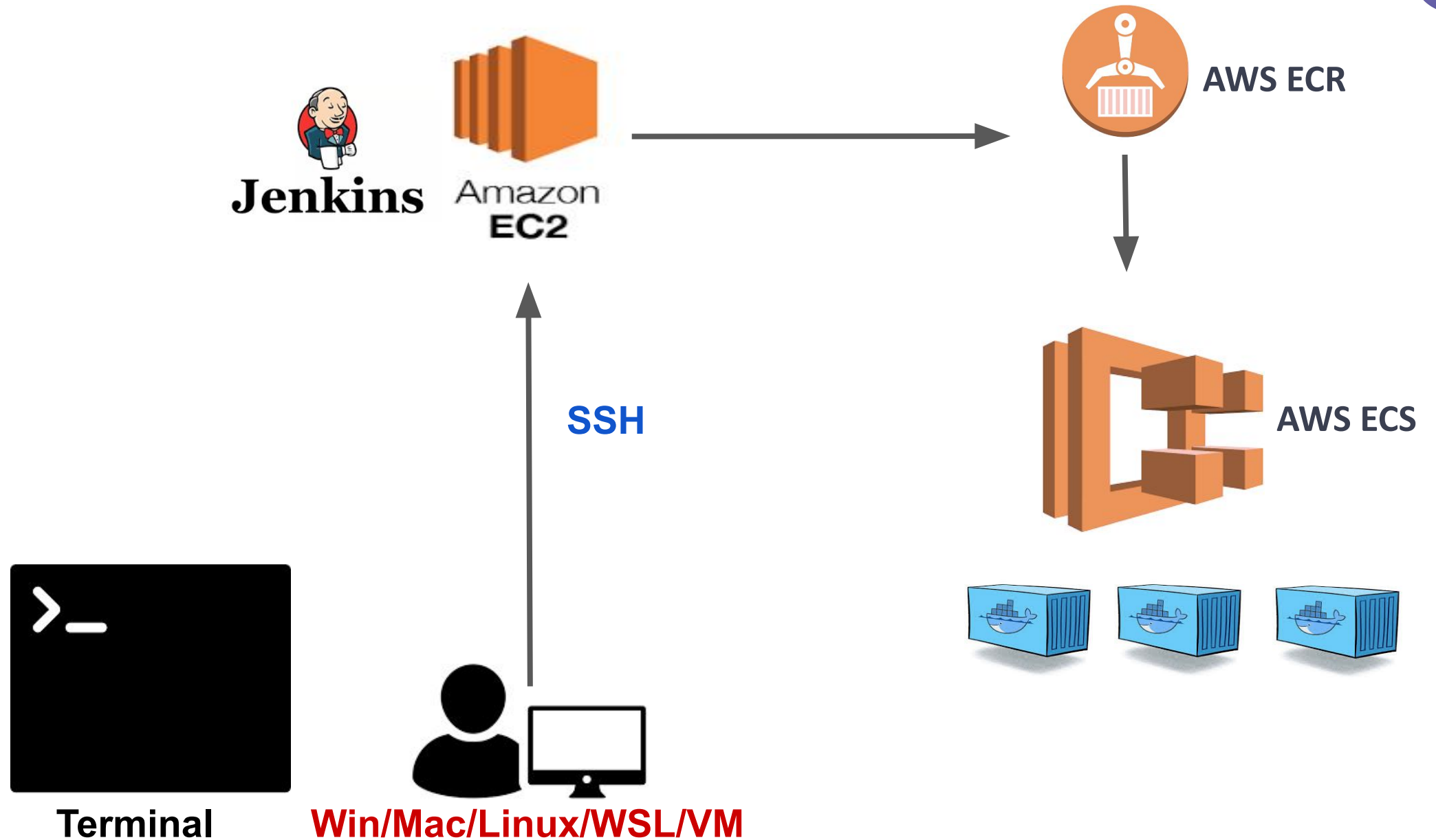
Hierarchy

Reservations[ ].

Instances[ ].

PublicIpAddress[ ]

# CLI- Example





# THANKS!

**Any questions?**

