AWS-DEVOPS

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LESSON	:	AWS
SUBJECT	:	CLI
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TECHPRO EDUCATION

Introduction to AWS CLI

Introduction to AWS CLI

What is AWS CLI?

AWS Command Line Interface (AWS CLI) is an open-source tool that allows you to interact with AWS services using commands in your command-line shell.

Introduction to AWS CLI

What is AWS CLI?

- AWS CLI allows you to control AWS resources independently or from a terminal session on any device. This enables you to manage, monitor, and configure multiple AWS services.

Introduction to AWS CLI

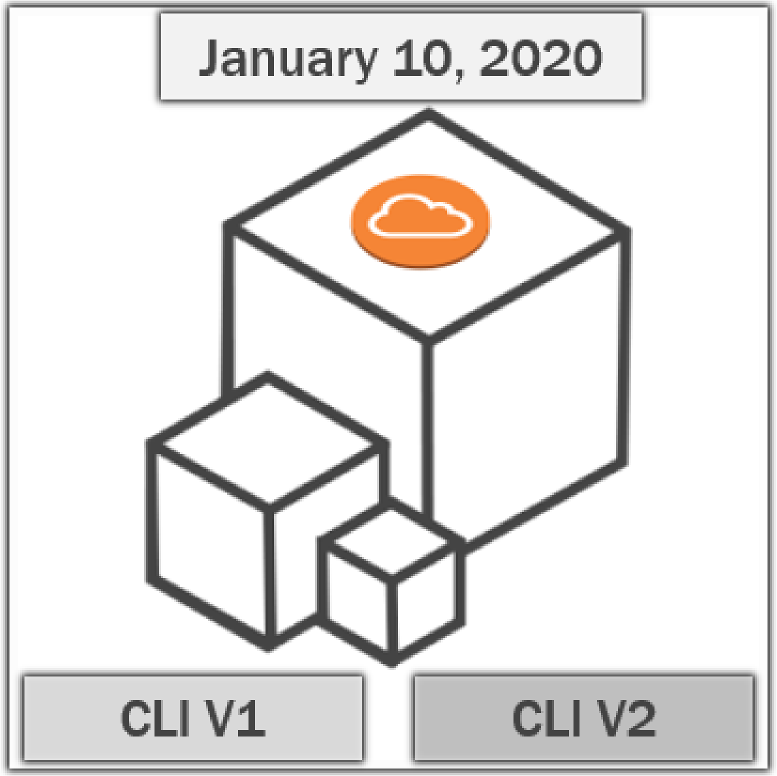
What is AWS CLI?

- AWS CLI allows you to run commands with minimal configuration from the command prompt in your favorite terminal program (Linux, Mac, or Windows). It provides functionality similar to the browser-based AWS Management Console.

Introduction to AWS CLI

AWS CLI - Versions

There are two versions of AWS CLI (v1 and v2), with version 2 being the latest major release that supports all the newest features. AWS CLI version 2 can only be installed using the bundled installer. AWS recommends installing AWS CLI only from the official AWS distribution points, which will be covered in the next section.



January 10, 2020

CLI V1

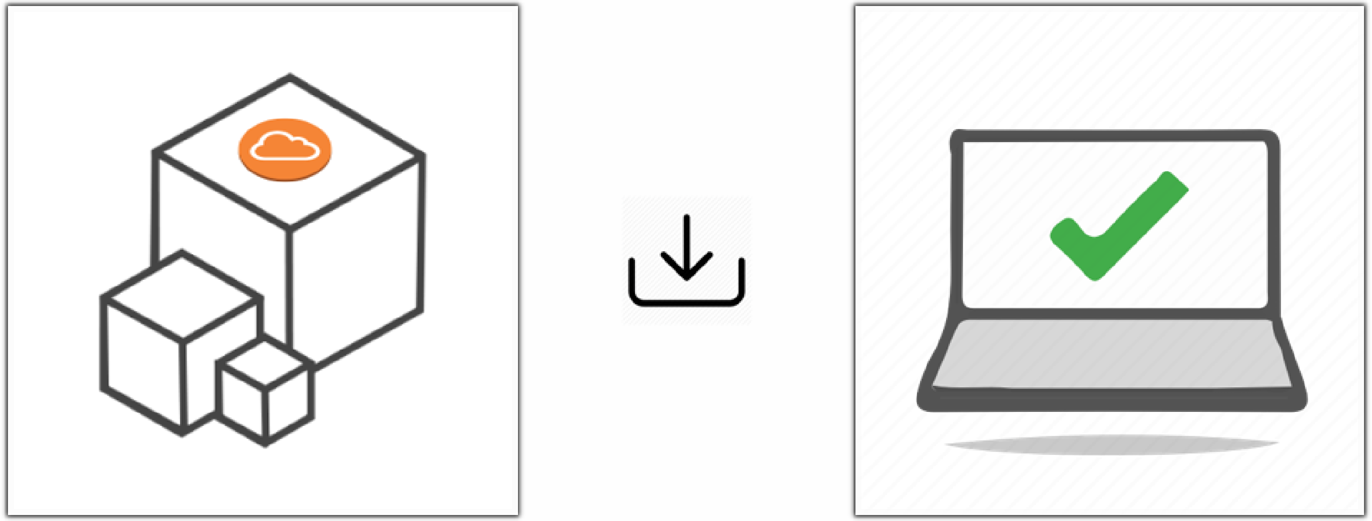
CLI V2

Introduction to AWS CLI

AWS CLI - Installation

You can install AWS CLI on different operating systems.

- Windows
- MacOS
- Linux



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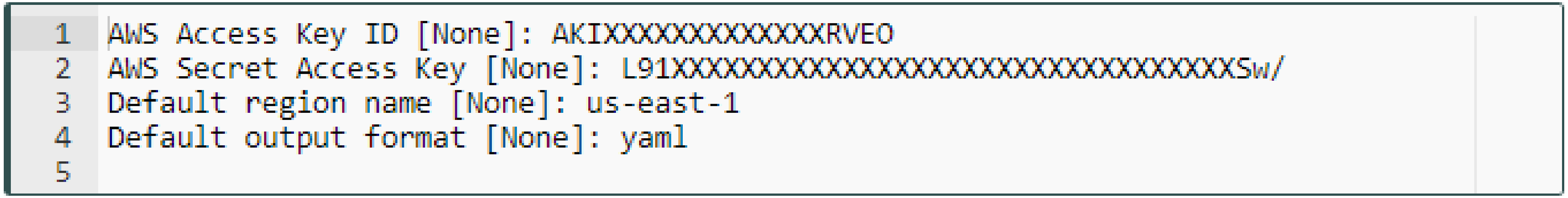
AWS CLI - Configuration

1. Open the terminal or command prompt.
2. Run the command aws --version to ensure AWS CLI is installed. If it is not installed, you may need to install AWS CLI.
3. Obtain your Access Key ID and Secret Access Key for your AWS account. You can find this information in the IAM Users section of the AWS Management Console.
4. Run the following command in the terminal to start the AWS CLI configuration process:
5. **aws configure**



```
AWS Access Key ID [None]: AKIXXXXXXXXXXXXXRVEO
AWS Secret Access Key [None]: L91XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXSw/
Default region name [None]: us-east-1
Default output format [None]: yaml

```

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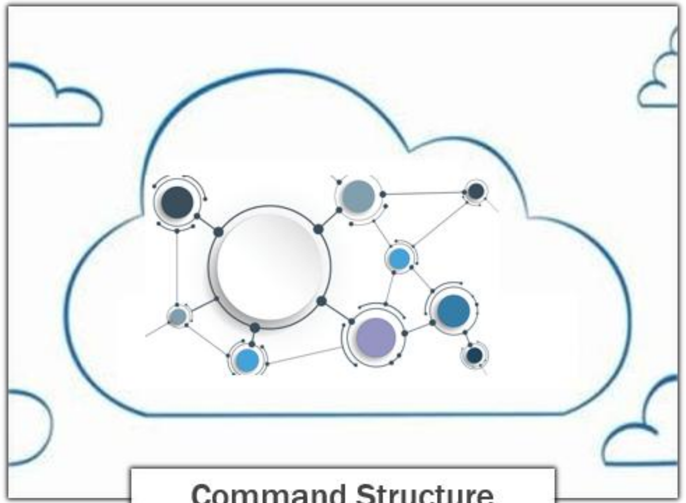
AWS CLI - Command Structure



Command Structure

1. **AWS Program Call** – The command starts with aws, which invokes the AWS CLI program.
2. **Top-Level Commands** – These correspond to AWS services supported by AWS CLI (e.g., s3, ec2, lambda).
3. **Subcommands** – Specify the operation to be performed within a service (e.g., ls, describe-instances, invoke).
4. **Options/Parameters** – General CLI options or parameters required for the operation. You can specify them in any order as long as they follow the first three components. If a parameter is specified multiple times, only the last value is applied.

```
aws <command> <subcommand> [options and parameters]
 1       2           3                 4
```

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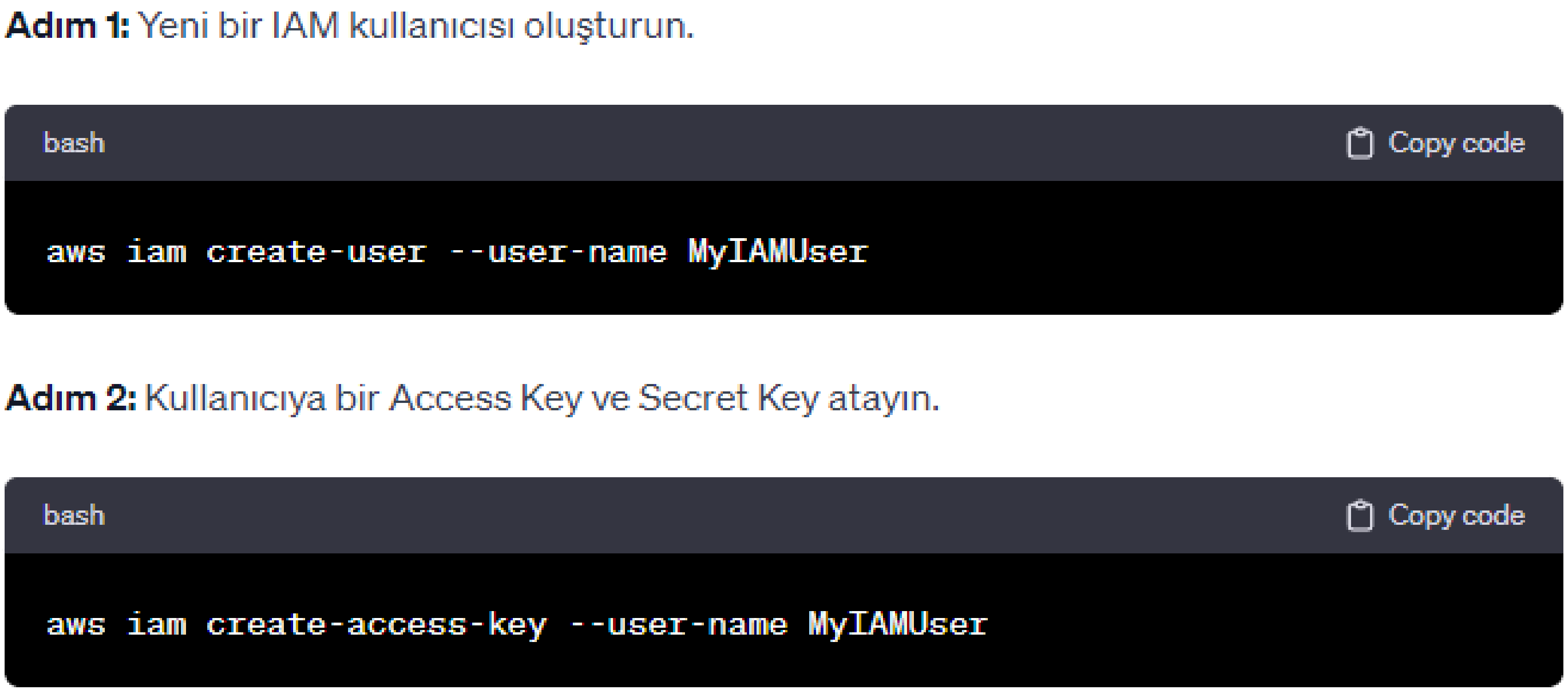
AWS CLI - Example

1. IAM Kullanıcı Oluşturma



Adım 1: Yeni bir IAM kullanıcısı oluşturun.

```bash
aws iam create-user --user-name MyIAMUser
```

Adım 2: Kullanıcıya bir Access Key ve Secret Key atayın.

```bash
aws iam create-access-key --user-name MyIAMUser
```

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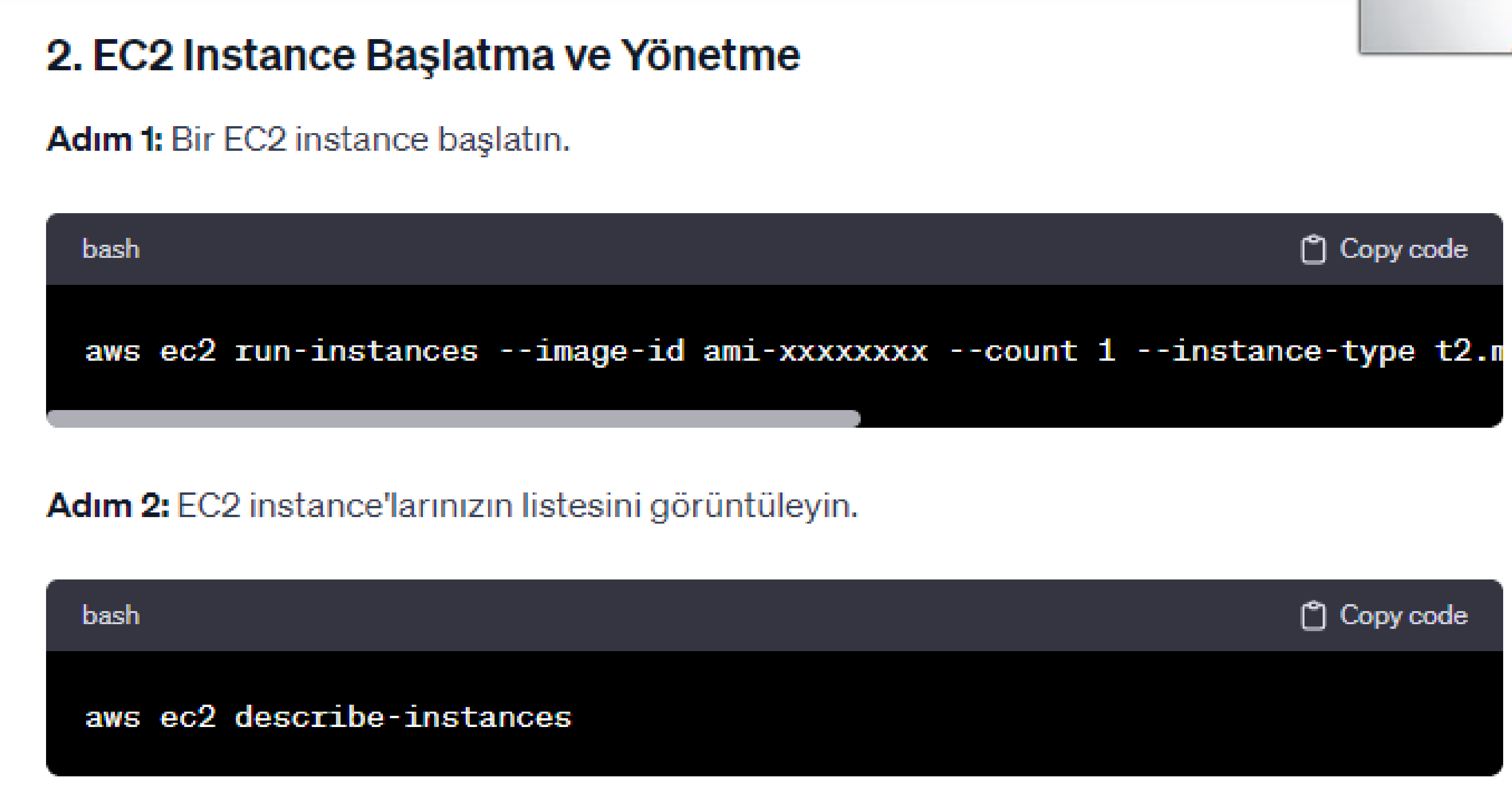
AWS CLI - Example



2. EC2 Instance Başlatma ve Yönetme

Adım 1: Bir EC2 instance başlatın.

bash Copy code

```bash
aws ec2 run-instances --image-id ami-xxxxxxxx --count 1 --instance-type t2.m
```

Adım 2: EC2 instance'larınızın listesini görüntüleyin.

bash Copy code

```bash
aws ec2 describe-instances
```

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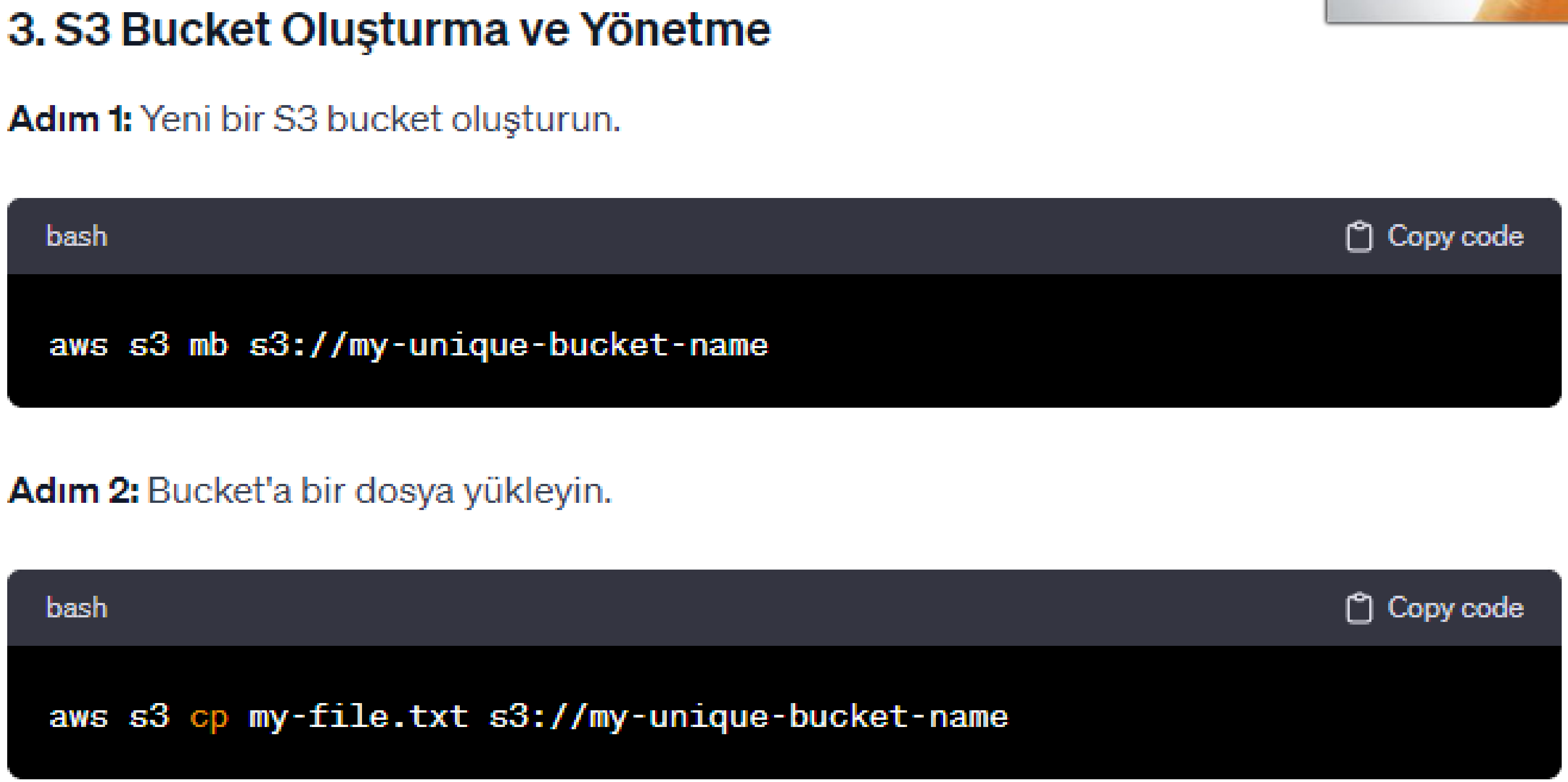
AWS CLI - Example



3. S3 Bucket Oluşturma ve Yönetme

Adım 1: Yeni bir S3 bucket oluşturun.

```bash
aws s3 mb s3://my-unique-bucket-name
```

Adım 2: Bucket'a bir dosya yükleyin.

```bash
aws s3 cp my-file.txt s3://my-unique-bucket-name
```

AWS CloudShell

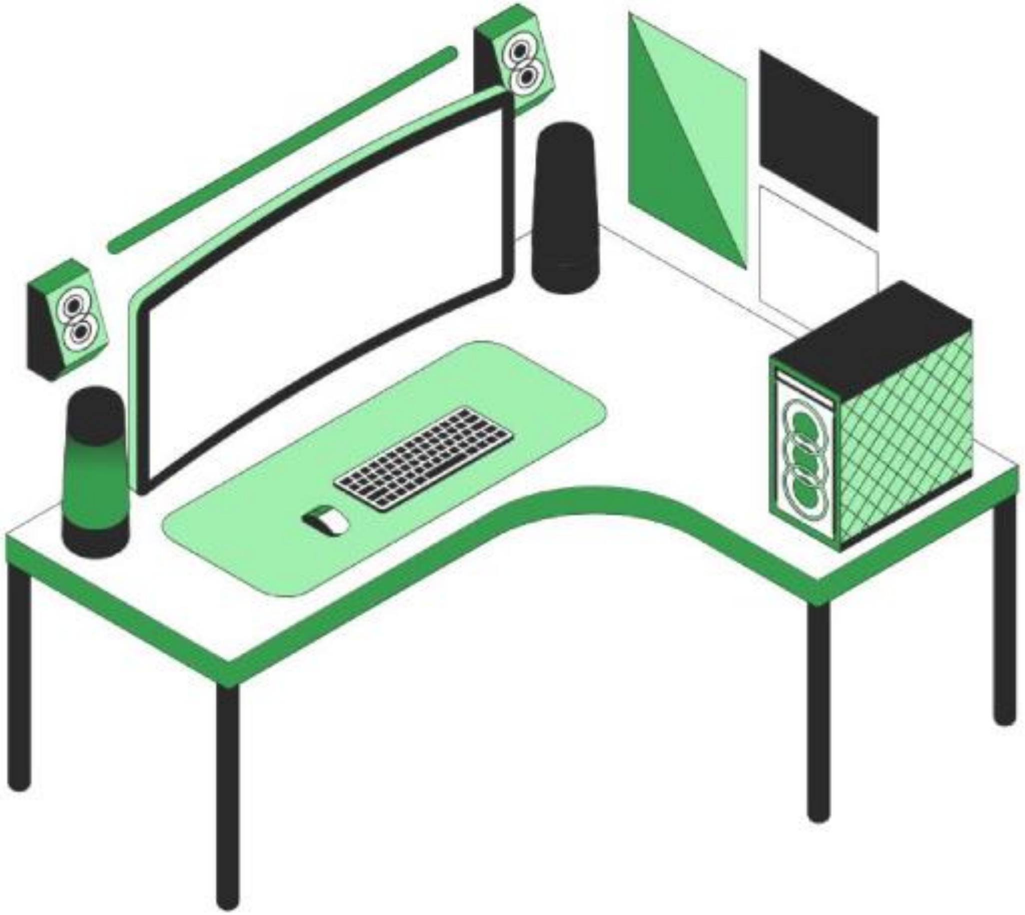
AWS CloudShell

AWS CloudShell is a browser-based command-line environment provided by Amazon Web Services (AWS). This service can be used to manage and interact with AWS resources.

AWS CloudShell

Features

- **AWS CloudShell Features**
- **Accessibility** – Easily accessible via a web browser.
- **Pre-installed Tools** – Comes with AWS CLI and other essential tools pre-installed.
- **Automatic Authentication** – Automatically authenticates with your AWS credentials.
- **File Storage** – Provides persistent storage for files.
- **Free Usage** – Available at no additional cost for AWS users.
- **Easy Interaction with Cloud Resources** – Seamlessly interacts with AWS services.



Do you have any questions?

Send it to us! We hope you learned something new.