



AWS Command Line Interface





Today's Takeaways

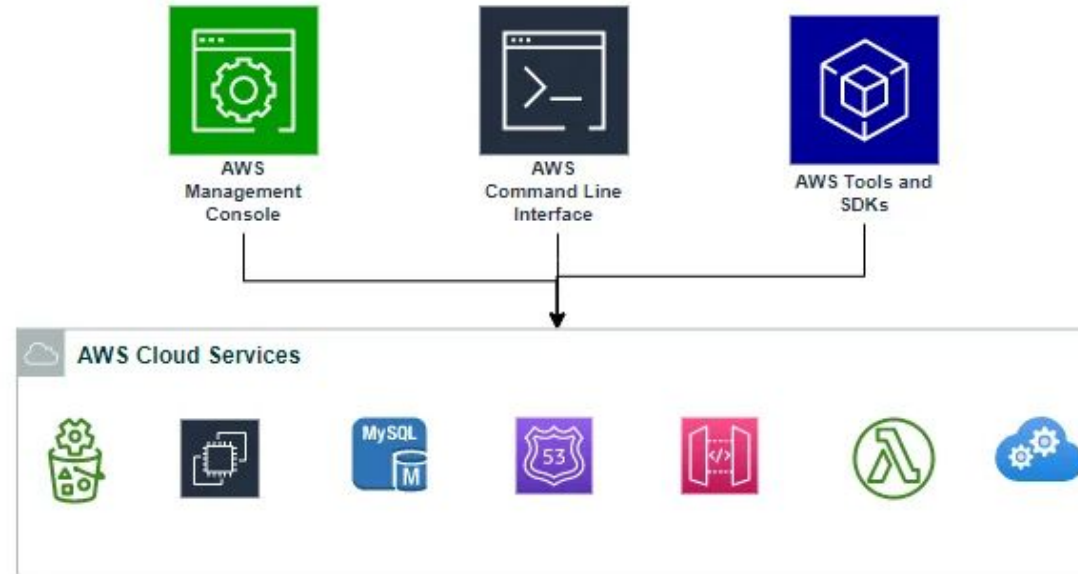
- ▶ Ways to Access AWS Resources
- ▶ AWS Command Line Interface (AWSCLI)



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AWS Command Line Interface (AWSCLI)

Three ways to access the AWS Resources



1. AWS Management Console

AWS Management Console provides a web-based user interface that you can use to create and manage your AWS resources

2. AWS CLI (Command Line Interface)

AWS Command Line Interface is a tool to manage your AWS resources. With just one tool to [install and configure](#), you can control multiple AWS services from the command line and automate them through scripts.

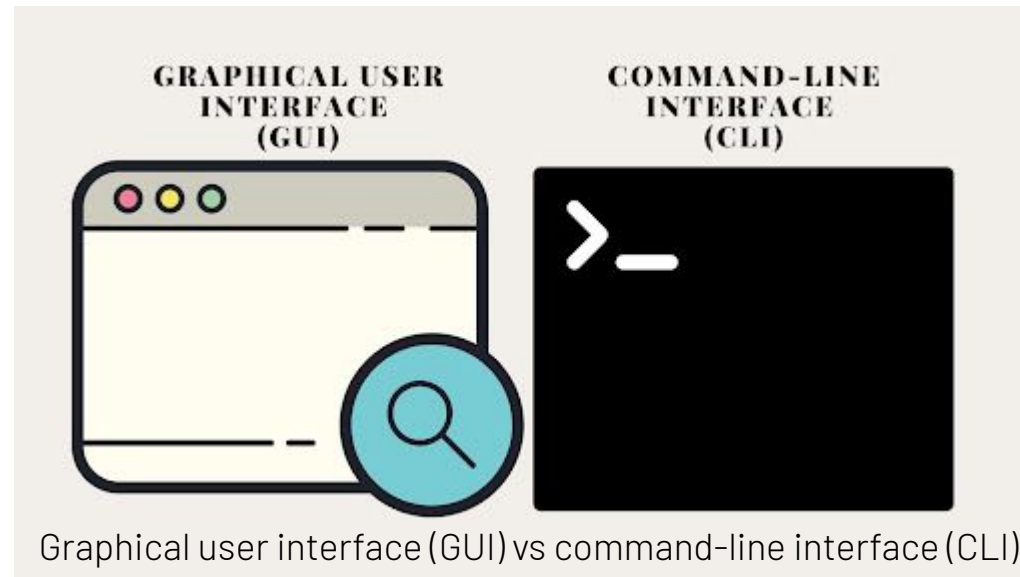
3. AWS SDKs

[AWS Software Development Kits](#) provides abstract APIs of AWS services. It allows developers for developing and managing applications on AWS services like [EC2](#), Amazon [S3](#), Amazon SNS, and more through SDK.

What Is a Command-Line Interface?



- Command line is an interface we use to interact with the computer operating system using the keyboard. With a command-line interface, you can enter text commands to navigate, run programs or configure your computer system. All operating systems, including Windows, Linux and macOS, provide a CLI in addition to the graphical user interface (GUI).
- The command-line interface (CLI) accepts commands by entering text on a keyboard. Different CLIs have different syntaxes, but they can all essentially perform the same operations.



AWS Command Line Interface (AWSCLI)



What is the AWS Command Line Interface?

- The AWS Command Line Interface (AWS CLI) is a unified tool to manage your AWS services. With just one tool to download and configure, you can control multiple AWS services from the command line and automate them through scripts
- The AWS Command Line Interface (AWS CLI) is an open source tool that enables you to interact with AWS services using commands in your command-line shell
- With minimal configuration, the AWS CLI enables you to start running commands that implement functionality equivalent to that provided by the browser-based AWS Management Console from the command prompt in your terminal program

AWS Command Line Interface (AWSCLI)



What is the AWS Command Line Interface?

Although most AWS services can be managed through the AWS Management Console or via the APIs, there is a third way that can be very useful: the Command Line Interface (AWS CLI).

AWS has made it possible for Linux, MacOS, and Windows users to manage the main AWS services from a local terminal sessions command line.

- **Linux shells** – Use common shell programs such as bash, zsh, and tcsh to run commands in Linux or macOS.
- **Windows command line** – On Windows, run commands at the Windows command prompt or in PowerShell.
- **Remotely** – Run commands on Amazon Elastic Compute Cloud (Amazon EC2) instances through a remote terminal program such as PuTTY or SSH, or with AWS Systems Manager.

Uses of AWS CLI

Listed below are a few reasons which are compelling enough to get you started with AWS Command Line Interface.

- Easy Installation
- Automates Processes
- Supports all Amazon Web Services

AWS Command Line Interface (AWSCLI)



What is the AWS Command Line Interface?

- All IaaS (infrastructure as a service) AWS administration, management, and access functions in the AWS Management Console are available in the AWS API and AWS CLI.
- New AWS IaaS features and services provide full AWS Management Console functionality through the API and CLI at launch or within 180 days of launch.
- The AWS CLI provides direct access to the public APIs of AWS services. You can explore a service's capabilities with the AWS CLI, and develop shell scripts to manage your resources.



Snapshot



Let's get our hands dirty!

- AWSCLI Commands
- Generate IAM Credentials



THANKS!

Any questions?

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