



# Cloud-based Data Management AWS Interfaces

# Objective

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Objective

Explain AWS  
programming  
interfaces

# AWS Command Line Interface



- | A unified tool for managing AWS services

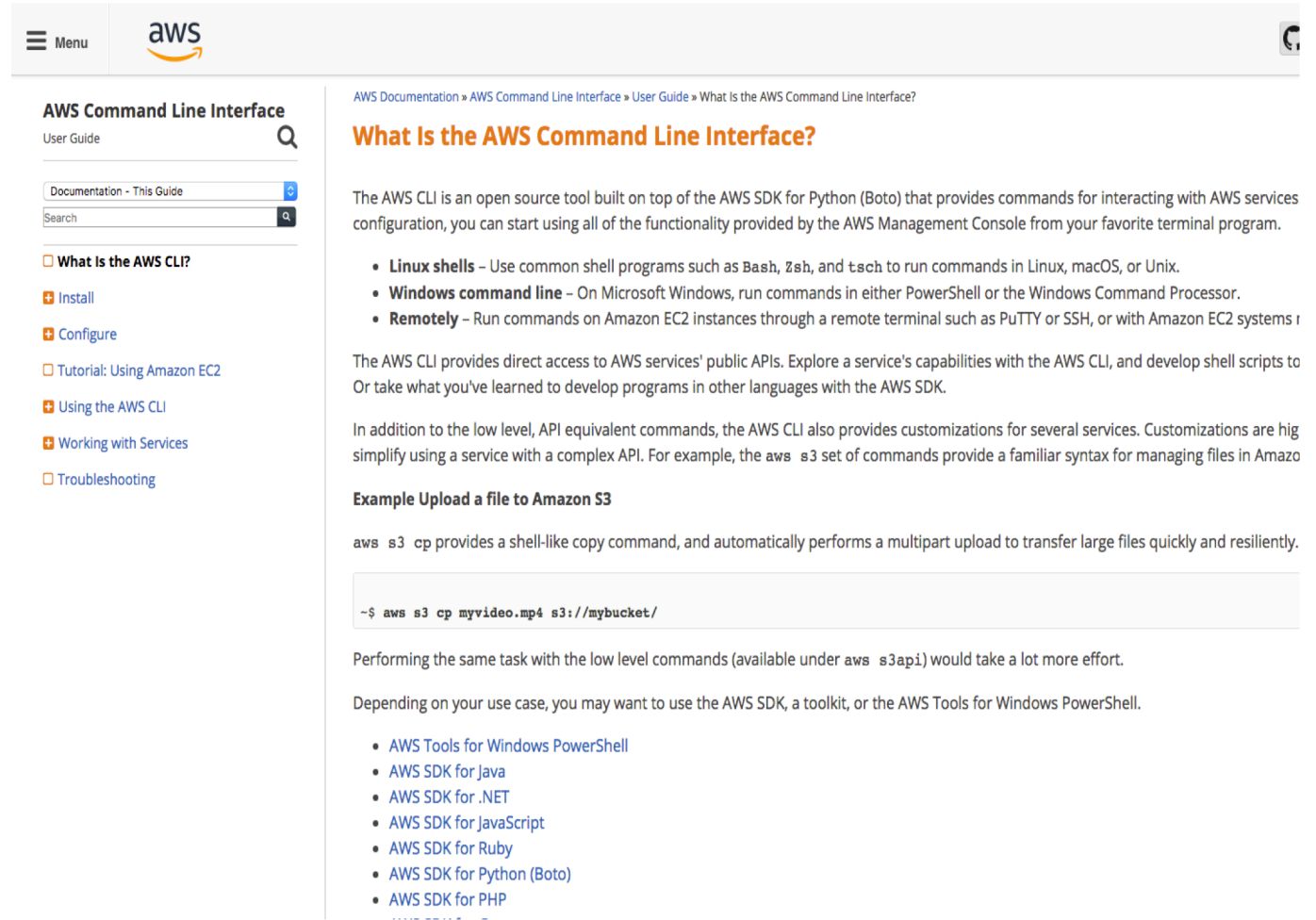
- | Available for Windows, Linux, OS X, Unix

- | Create an IAM user for using the command lines

# AWS Command Line Interface

User guide:

<http://docs.aws.amazon.com/cli/latest/userguide/>



The screenshot displays the AWS Command Line Interface (CLI) User Guide page. The page header includes the AWS logo and a navigation menu. The main content area is titled "AWS Command Line Interface" and "User Guide". A search bar is present. The left sidebar contains a table of contents with links to "What is the AWS CLI?", "Install", "Configure", "Tutorial: Using Amazon EC2", "Using the AWS CLI", "Working with Services", and "Troubleshooting". The main content area starts with the breadcrumb "AWS Documentation » AWS Command Line Interface » User Guide » What is the AWS Command Line Interface?". The section "What Is the AWS Command Line Interface?" explains that the AWS CLI is an open source tool built on top of the AWS SDK for Python (Boto) that provides commands for interacting with AWS services configuration, you can start using all of the functionality provided by the AWS Management Console from your favorite terminal program. It lists three bullet points: "Linux shells" (Use common shell programs such as Bash, Zsh, and Tsch to run commands in Linux, macOS, or Unix), "Windows command line" (On Microsoft Windows, run commands in either PowerShell or the Windows Command Processor), and "Remotely" (Run commands on Amazon EC2 instances through a remote terminal such as PuTTY or SSH, or with Amazon EC2 systems). The text then states that the AWS CLI provides direct access to AWS services' public APIs, allowing users to explore a service's capabilities with the AWS CLI and develop shell scripts to take what they've learned to develop programs in other languages with the AWS SDK. It also mentions that in addition to the low level, API equivalent commands, the AWS CLI also provides customizations for several services, which can simplify using a service with a complex API. For example, the aws s3 set of commands provide a familiar syntax for managing files in Amazon S3. The section "Example Upload a file to Amazon S3" shows a terminal command: `aws s3 cp myvideo.mp4 s3://mybucket/`. It explains that this command provides a shell-like copy command, and automatically performs a multipart upload to transfer large files quickly and resiliently. It contrasts this with the low level commands (available under `aws s3api`) which would take a lot more effort. Finally, it suggests that depending on the use case, users may want to use the AWS SDK, a toolkit, or the AWS Tools for Windows PowerShell. A list of links is provided at the bottom: "AWS Tools for Windows PowerShell", "AWS SDK for Java", "AWS SDK for .NET", "AWS SDK for JavaScript", "AWS SDK for Ruby", "AWS SDK for Python (Boto)", and "AWS SDK for PHP".

Menu

aws

AWS Command Line Interface

User Guide

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## What Is the AWS Command Line Interface?

The AWS CLI is an open source tool built on top of the AWS SDK for Python (Boto) that provides commands for interacting with AWS services configuration, you can start using all of the functionality provided by the AWS Management Console from your favorite terminal program.

- Linux shells** – Use common shell programs such as `Bash`, `Zsh`, and `Tsch` to run commands in Linux, macOS, or Unix.
- Windows command line** – On Microsoft Windows, run commands in either PowerShell or the Windows Command Processor.
- Remotely** – Run commands on Amazon EC2 instances through a remote terminal such as PuTTY or SSH, or with Amazon EC2 systems

The AWS CLI provides direct access to AWS services' public APIs. Explore a service's capabilities with the AWS CLI, and develop shell scripts to Or take what you've learned to develop programs in other languages with the AWS SDK.

In addition to the low level, API equivalent commands, the AWS CLI also provides customizations for several services. Customizations are hig simplify using a service with a complex API. For example, the `aws s3` set of commands provide a familiar syntax for managing files in Amazo

### Example Upload a file to Amazon S3

`aws s3 cp` provides a shell-like copy command, and automatically performs a multipart upload to transfer large files quickly and resiliently.

```
~$ aws s3 cp myvideo.mp4 s3://mybucket/
```

Performing the same task with the low level commands (available under `aws s3api`) would take a lot more effort.

Depending on your use case, you may want to use the AWS SDK, a toolkit, or the AWS Tools for Windows PowerShell.

- AWS Tools for Windows PowerShell
- AWS SDK for Java
- AWS SDK for .NET
- AWS SDK for JavaScript
- AWS SDK for Ruby
- AWS SDK for Python (Boto)
- AWS SDK for PHP

# AWS Command Line Interface

## References:


<http://docs.aws.amazon.com/cli/latest/reference/>

AWS CLI Command Reference

HomeUser GuideForumGitHub

Star6,086

← AWS CLI Command Reference / acm →



amazon  
web services

Table Of Contents

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Quick search

Feedback

Did you find this page useful?  
Do you have a suggestion?  
[Give us feedback](#) or send us a  
[pull request](#) on GitHub.

User Guide

First time using the AWS CLI?  
See the [User Guide](#) for help  
getting started.

aws

Description

The AWS Command Line Interface is a unified tool to manage your AWS services.

Synopsis

```
aws [options] <command> <subcommand> [parameters]
```

Use *aws command help* for information on a specific command. Use *aws help topics* to view a list of available help topics. The synopsis for each command shows its parameters and their usage. Optional parameters are shown in square brackets.

Options

--debug (boolean)

Turn on debug logging.

--endpoint-url (string)

Override command's default URL with the given URL.

--no-verify-ssl (boolean)

By default, the AWS CLI uses SSL when communicating with AWS services. For each SSL connection, the AWS CLI will verify SSL certificates. This option overrides the default behavior of verifying SSL certificates.

--no-paginate (boolean)

Disable automatic pagination.

--output (string)


The formatting style for command output.

# AWS SDK

## Developer guide:

<http://docs.aws.amazon.com/AWSSdkDocsJava/latest/DeveloperGuide/welcome.html>

The screenshot shows the AWS SDK for Java Developer Guide page. The header includes the AWS logo, a menu icon, and a language selector set to English. The left sidebar contains a search bar and a table of contents with links to 'Getting Started', 'Using the AWS SDK for Java', 'Code Examples', and 'Document History'. The main content area has a breadcrumb trail, a title, an introduction paragraph, a section for the 2.0 developer preview, and a list of additional resources.

Menu  English

AWS Documentation » AWS SDK for Java » Developer Guide » AWS SDK for Java Developer Guide

### AWS SDK for Java Developer Guide

The **AWS SDK for Java** provides a Java API for Amazon Web Services. Using the SDK, you can easily build Java applications that work with Amazon S3, Amazon EC2, Amazon SimpleDB, and more. We regularly add support for new services to the AWS SDK for Java. For a list of the supported services and their API versions that are included with each release of the SDK, view the [release notes](#) for the version that you're working with.

#### AWS SDK for Java 2.0 Developer Preview

Take a look at the new AWS SDK for Java 2.0 developer preview at <https://github.com/aws/aws-sdk-java-v2/>. It includes much awaited features, such as a way to plug in a HTTP implementation. To get started, see the [AWS SDK for Java 2.0 Developer Guide](#).

#### Additional Documentation and Resources

In addition to this guide, the following are valuable online resources for AWS SDK for Java developers:

- [AWS SDK for Java API Reference](#)
- [Java developer blog](#)
- [Java developer forums](#)
- GitHub:
  - [Documentation source](#)
  - [Documentation issues](#)
  - [SDK source](#)
  - [SDK issues](#)
  - [SDK samples](#)
  - [Gitter channel](#)
- [@awsforjava \(Twitter\)](#)
- [release notes](#)

# AWS SDK

API:

<http://docs.aws.amazon.com/AWSJavaSDK/latest/javadoc/index.html>

AWS SDK for Java

All Classes

Packages

com.amazonaws

com.amazonaws.adapters.types

com.amazonaws.annotation

com.amazonaws.auth

com.amazonaws.auth.internal

com.amazonaws.auth.policy

com.amazonaws.auth.policy.actions

com.amazonaws.auth.policy.conditions

com.amazonaws.auth.policy.internal

com.amazonaws.auth.policy.resources

com.amazonaws.auth.presion

All Classes

AacAudioDescriptionBroadcasterMix

AacCodecProfile

AacCodingMode

AacCodingMode

AacInputType

AacProfile

AacRateControlMode

AacRateControlMode

AacRawFormat

AacRawFormat

AacSettings

AacSettings

AacSpec

AacSpecification

AacVhrQuality

OVERVIEW PACKAGE CLASS INDEX HELP

PREV NEXT FRAMES NO FRAMES

AWS SDK for Java API Reference - 1.11.288

Amazon Transcribe

Package	Description
com.amazonaws.services.transcribe	Operations and objects for transcribing speech to text.
com.amazonaws.services.transcribe.model	

AWS Auto Scaling Plans

Package	Description
com.amazonaws.services.autoscalingplans	Use AWS Auto Scaling to quickly discover all the scalable
com.amazonaws.services.autoscalingplans.model	

Amazon WorkMail

Package	Description
com.amazonaws.services.workmail	Amazon WorkMail is a secure, managed business email a
com.amazonaws.services.workmail.model	