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#### AWS API

What is Application Programming Interface?

-> An API is software that allows two apps/servers
to talk to each other. The most common API is via HTTP/s
requests.

— Aws API is on HTTP API and you can interact by sending HTTP requests, using an app interacting with APIs like Postman.

# AWS Monagement Console

It is a web-bosed unified console h Build, manage 8 moritor everything in AWS by week.

## AWS Tools for Powershell

It is a tosk automation à configuration management framework. A command lone shell & scripting language

AWS Tools for Powershell lets you meract with AWS API name powershell andlets.

## Amazon Recource Names

ARN unquely identifies AWS rezources.

If has following formats;

ecd, 53, iam

arn: partition: service: region: account—id: resource—id

arn: partition: service: region: account—id: resource—type resource—id

arn: partition: service: region: account—id: resource—type: resource—id

arn: partition: service: region: account—id: resource—type: resource—id

aws-cn (Awschma)
aws-usgov (Aws usgov)

En:



### AWS CLI

Who is a CLI?

-> CLI is a coffwore that processes commands to a computer program in the form of lines of tent.

What is Terminal?

-> Is a tent only interface

What is a concole?

to physically input into a -> A physical computer terminal

What is a shell?

-> A command the program that users interact En: bosh, Zsh, powershell etz.

of software development took in one metallable You can use AWS SDK to programically create, modify, delete or interact with AWS resources. AWS SDK is offered in vovious prog. languages: Towa, Python, nodejs, . uby, go etc ..

Imagine you're building a photo-sharing app where users can upload their pictures, and these pictures need to be stored securely somewhere in the cloud. You've decided to use Amazon S3 (Simple Storage Service) to store these photos because it's reliable and scalable. Now, as a developer, you need to write code that uploads these photos to Amazon S3 whenever a user adds one. Instead of writing complex code to communicate with S3 directly (like figuring out how to authenticate, create requests, handle responses, etc.), you can use the AWS SDK.

#### How the AWS SDK Helps:

- 1 Set Up: First, you would install the AWS SDK in your app, which might be in Python, JavaScript, or another language you're using.
- 2 Configuration: You configure the SDK with your AWS credentials (like your access key and secret key) so that it knows who you are and what permissions you have.
- 3 Upload Photo: When a user uploads a photo, your app can call a simple method provided by the AWS SDK, like upload file, and the SDK handles all the complicated stuff behind the scenes—connecting to S3, authenticating, and securely uploading the file. import boto3

5 # Create an S3 client using the AWS SDK for Python (Boto3) 6 s3 = boto3.client('s3')

8 # Upload a photo to an S3 bucket

9 s3.upload file('local photo.jpg', 'my-photo-bucket', 'uploaded photo.jpg') 10

Done!: The photo is now stored in Amazon S3, and you didn't have to worry about the low-level details. The SDK made it easy by providing you with simple methods to call.

#### In a nutshell:

The AWS SDK is like a friendly helper that takes care of all the hard work when your app needs to talk to AWS services. Instead of figuring out how to do everything from scratch, you just tell the SDK what you want to do, and it handles the rest. Infractantone ac lode (7al)

Ia C: You can write a configuration script in 105 fructure.

· Jo C is a blueprint · It allows you to easily shore, version or inventory

your infrastructure.

AWS has two offennes:

- AWS COK -> AWS CFN (Cloudformation)

Is on in perative Jac tool CFN is a Jeclovahue Jac tool