Welcome
To

ASHOK IT

Learn Here.. Lead Anywhere..!!

spring boot + **aws**

Agenda

- ❖ **AWS SDK**

- ❖ **SDK Libraries**

- ❖ **Environment setup**

- ❖ **Java with AWS S3 Integration.**

- ❖ **Q & A Session**

AWS
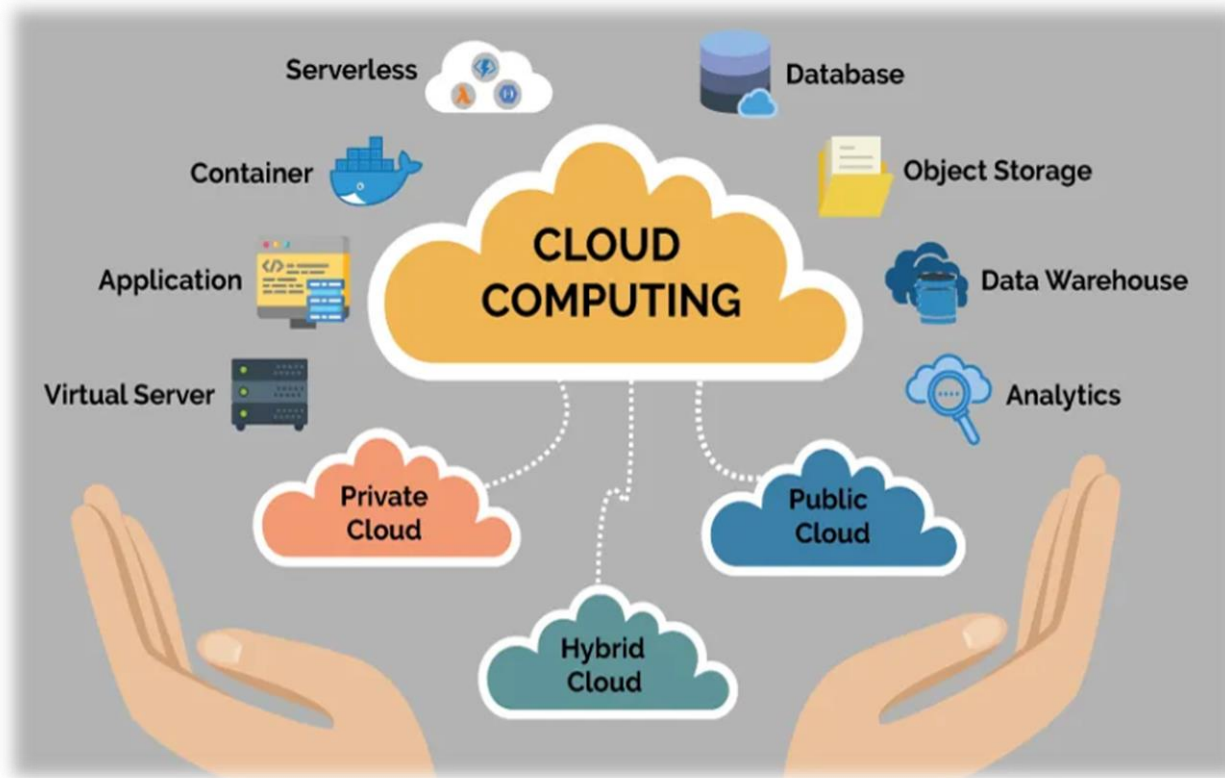
❖ **Amazon Web Services (AWS)** is a cloud computing platform that offers services like storage, databases, analytics, and more. It's the most widely used cloud in the world.

AWS SDK

❖ The **AWS SDK (Software Development Kit)** is a set of tools, libraries, and APIs that allow developers to interact with **AWS services** programmatically.

❖ AWS SDK provides an abstraction layer to interact with AWS services without manually handling HTTP requests or authentication.

❖ AWS SDKs are available for multiple languages like Java, Python, Node.js, C#, Go, and more.

SDK

AWS Services
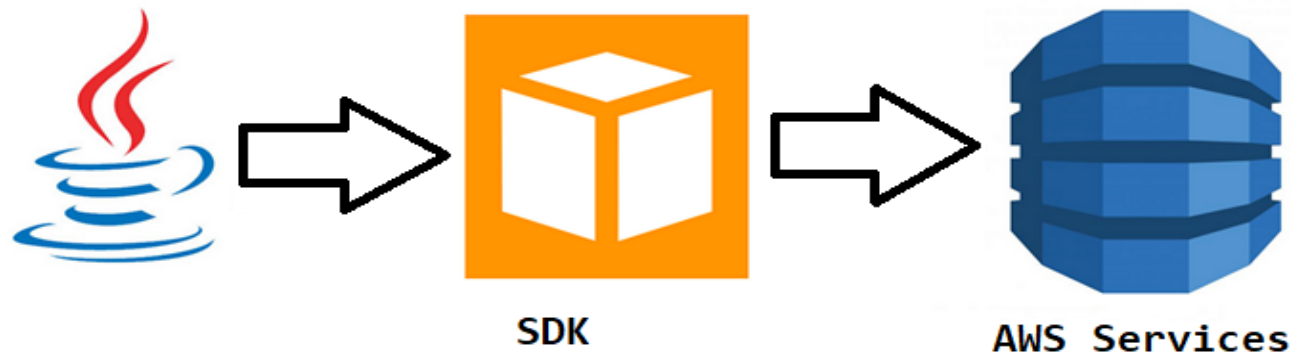
SDK Libraries

AWS provides SDKs for various programming languages:

Language	SDK Name	Installation
Java	AWS SDK for Java	`Maven ( aws-java-sdk-s3 )`
Python	Boto3	`pip install boto3`
Node.js	AWS SDK for JavaScript	`npm install aws-sdk`
C#/.NET	AWS SDK for .NET	`dotnet add package AWSSDK.S3`
Go	AWS SDK for Go	`go get github.com/aws/aws-sdk-go-v2`
PHP	AWS SDK for PHP	`composer require aws/aws-sdk-php`
Ruby	AWS SDK for Ruby	`gem install aws-sdk-s3`

AWS Services SDK libraries

AWS SDK allows interaction with various AWS services:

AWS Service	SDK Module
S3 (Storage)	`aws-sdk-s3`
DynamoDB (NoSQL Database)	`aws-sdk-dynamodb`
EC2 (Compute Instances)	`aws-sdk-ec2`
Lambda (Serverless)	`aws-sdk-lambda`
SNS (Notifications)	`aws-sdk-sns`
SQS (Message Queue)	`aws-sdk-sqs`
CloudWatch (Monitoring)	`aws-sdk-cloudwatch`

Environment Setup

- ❖ **AWS Account**

- ❖ **Access Key & Secret Key**

- ❖ **Create S3 bucket for storing objects.**

- ❖ **Collecting maven dependency for AWS SDK library.**

- ❖ **Java Integration with AWS S3 Service.**

Hands on Coding

Q&A Session

Workshop Application & Notes   https://github.com/maheshashokit?tab=repositories
For More Information   https://ashokit.in/