**Documentation on AWS Cognito**



***AWS COGNITO*** is basically a medium which provides authentication, authorization & user management for the web & mobile application.

***Amazon Cognito user pools*** let you add registration and sign-in to your apps. With Amazon Cognito identity pools, you can provide AWS credentials for access to your cloud resources.

***Why Amazon Cognito????????????***

Amazon Cognito lets you easily add user sign-up and authentication to your mobile and web apps. Amazon Cognito also enables you to authenticate users through an external identity provider and provides temporary security credentials to access your app's backend resources in AWS or any service behind Amazon API Gateway.

***Benefits $ features of using cognito :***

* Secure and scalable user directory
* Social and enterprise identity federation
* Standards-based authentication
* Security for your apps and users
* Access control for AWS resources
* Easy integration with your app

***Steps to setup Amazon Cognito on AWS :***

STEP 1 >> Go to the Amazon cognito service in AWS console

* Click on create user pool
* Then you have to Configure sign-in experience
* Choose the provider type and select the Cognito user pool sign-in options

STEP 2 >> After configuring sign-in, Configure security requirements

* Create a password policy to define the length and complexity of the passwords your users can set
* Then configure secure access to your app by enforcing multi-factor authentication (MFA) during the user sign-in process.
* Then allow forgot-password operations in your user pool

STEP 3 >> Configure sign-up experience for users

* Enable self-registration to users
* Allow Cognito to automatically send messages to verify and confirm and choose the attributes(Email, Phone number) to verify
* Choose the attributes that are required when a new user is created(Like Gender, Address, E-mail etc.)

STEP 4 >> Configure message delivery

* Choose E-mail provider to your users

STEP 5 >> Integrate your app (Set up app integration for your user pool)

* Create a name for your user pool
* Select the checkbox to use the Cognito Hosted UI
* Configure a domain for your Hosted UI
* Configure an app client and choose app type and Enter a name for your app client

STEP 6 >> Then review and create your user pool