





AWS AppSync

If you are studying for AWS Developer Associate Exam, this guide will help you with quick revision before the exam. it can use as study notes for your preparation.

Dashboard

Other Certification Notes

AWS AppSync

- AppSync is a managed service which uses *GraphQL*
- It is used for building APIs on AWS which use GraphQL
- GraphQL makes it easy for applications to get the exact data they need. This includes combining data from multiple resources
- Datasets behind GraphQL can include:
 - NoSQL data stores
 - RDS databases
 - HTTP APIs
 - o etc.
- AppSync integrates with (resolvers) DynamoDB, Aurora, ElasticSearch, etc.
- Supports customer resources using Lambda
- Provides support for real time data retrieval using WebSocket or MQTT on WebSocket protocols
- Mobile applications: replacement for Cognito Sync
- Requires a GraphQL schema for getting started
- Example for GraphQL schema:

```
type Query {
    human(id: ID!): Human
}

type Human {
    name: String
    appearsIn: [Episode]
    starships: [Starship]
}

enum Episode {
    NEWHOPE
    EMPIRE
    JEDI
}

type Starship {
    name: String
}
```

Security

- Four ways we can authorize applications to interact with AppSync:
 - o API KFY
 - AWS_IAM
 - OPENID_CONNECT (OpenID Connect provider/ JWT)
 - AMAZON_COGNITO_USER_POOLS
- For custom domain & HTTPS, use CloudFront in front of AppSync

