# Auth:
# Amazon Cognito

- 50,000 MAUs for free each month
- Highly customizeable
- Fully Managed

```typescript
const userPool = new awsCognito.UserPool(scope, `userpool`, {
  userPoolName: `my-userpool`,
  selfSignUpEnabled: true,
  lambdaTriggers: {
    postConfirmation: props.addUserPostConfirmation,
  },
  accountRecovery: awsCognito.AccountRecovery.PHONE_AND_EMAIL,
  userVerification: {
    emailStyle: awsCognito.VerificationEmailStyle.CODE,
  },
  autoVerify: {
    email: true,
  },
  standardAttributes: {
    email: {
      required: true,
      mutable: true,
    },
  },
});
```

sample-auth.ts

# Database: DynamoDB

- 50GB storage each month
- Highly performant
- Fully Serverless



```typescript
const saasTable = new awsDynamodb.Table(scope, 'SaasTable', {
  tableName: `SaasTable`,

  billingMode: awsDynamodb.BillingMode.PAY_PER_REQUEST,
  partitionKey: {
    name: 'id',
    type: awsDynamodb.AttributeType.STRING,
  },
});

saasTable.addGlobalSecondaryIndex({
  indexName: 'typename-id-index',
  partitionKey: {
    name: '__typename',
    type: awsDynamodb.AttributeType.STRING,
  },
  sortKey: {
    name: 'id',
    type: awsDynamodb.AttributeType.STRING,
  },
});
```