

## AWS Budgets

AWS Budgets give you the ability to setup alerts if you exceed or are approaching your defined budget.

### Create Cost, Usage or Reservation Budgets

AWS Budgets can be used to forecast costs but is limited compared to Cost Explorer or doing analysis with AWS Cost and Usage Reports along with Business Intelligence tool

### AWS Cost and Usage Report

Generate a detailed spreadsheet enabling us to better analyze and understand AWS costs.

Places the reports into S3

Use Athena to turn the report into a query-able database

Use QuickSight to visualize our billing data as graphs.

### Billing Alerts/Alarm

We can create our own Alarm in CloudWatch Alarms to monitor spend. They are commonly called Billing Alarms

We first need to turn on the billing alarms

Then we can create a CloudWatch alarm and choose billing as a metric

### AWS Cost Explorer

It helps us to visualize, understand and manage AWS costs and usage over time.

### AWS Pricing API

With AWS we can programmatically access pricing information to get the latest price offering for services.

Two versions

Query API-The pricing service api via JSON

Batch API-The price list api via html