

iam**neo**

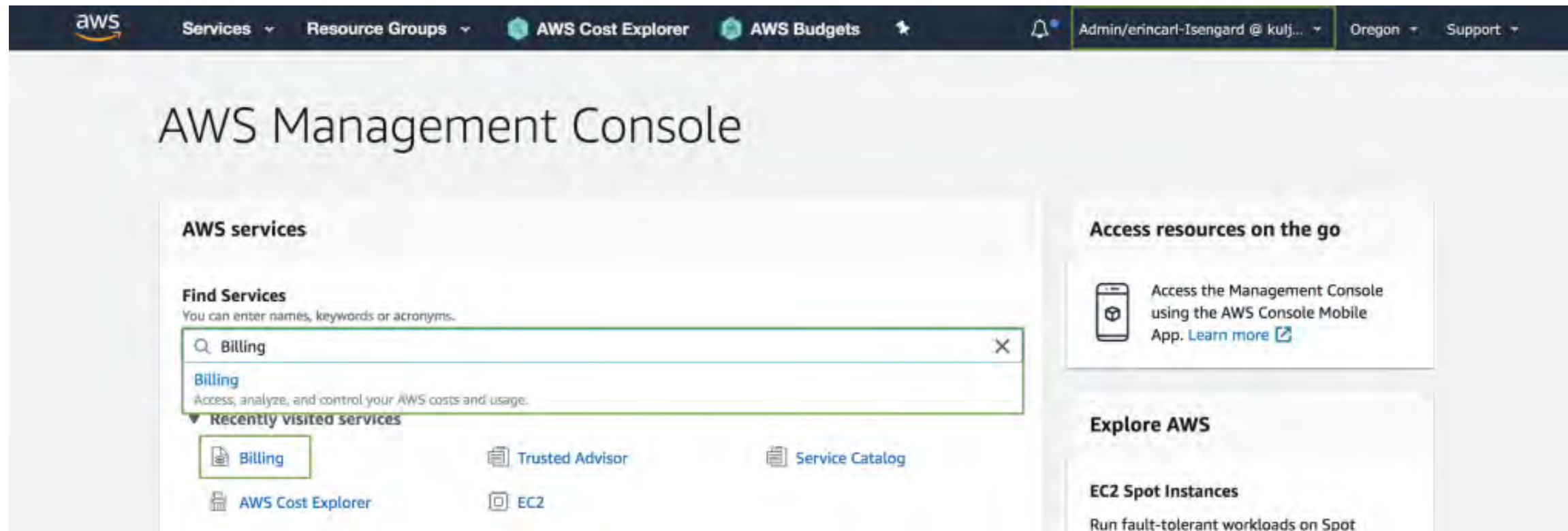


Amazon Billing

Introduction to AWS Billing

- The AWS Billing console allows you to easily understand your AWS spending, view and pay invoices, manage billing preferences and tax settings, and access additional Cloud Financial Management services.
- Quickly evaluate whether your monthly spend is in line with prior periods, forecast, or budget, and investigate and take corrective actions in a timely manner.
- Managing your AWS costs and usage doesn't have to be difficult.
- The AWS Billing Console is your one-stop-shop for accessing your billing, payments, and cost management information and capabilities.

Cost Management console



The Importance of Monitoring Costs

1 **Costs can add up quickly**

Without proper monitoring, the costs of AWS services can quickly add up, causing unexpected charges and putting a strain on your budget.

2 **Resource allocation**

Monitoring costs can also help you allocate resources more effectively, ensuring you're using your budget wisely.

3 **Optimizing services**

By identifying areas of high cost, you can make adjustments to optimize your AWS services and reduce waste.

AWS Account Setup and Billing Configuration

- **Creating an AWS account**

We'll walk through the process of creating a new AWS account and setting up billing preferences.

- **Introduction to billing console**

Learn how to navigate the AWS billing console and view detailed billing reports to help manage costs.

- **Configuring billing alerts and notifications**

Setting up billing alerts and notifications can help you stay on top of your spending and avoid unexpected charges.

- **Understanding the AWS Free Tier and its limitations**

We'll provide an overview of the AWS Free Tier, including its limitations and how to monitor usage to avoid unexpected fees.

AWS Free Tier and its limitations

The screenshot displays the AWS Free Tier page with a search bar and filter options on the left. The main content area shows six service cards arranged in a 2x3 grid. Each card lists a service category, the service name, the free tier limit, and a brief description.

Category	Service	Free Tier Limit	Additional Info
COMPUTE	Amazon EC2	750 Hours per month	12 MONTHS FREE
STORAGE	Amazon S3	5 GB of standard storage	12 MONTHS FREE
DATABASE	Amazon RDS	750 Hours per month of db.t2.micro database usage (applicable DB engines)	12 MONTHS FREE
DATABASE	Amazon DynamoDB	25 GB of storage	ALWAYS FREE
MACHINE LEARNING	Amazon SageMaker	250 Hours per month of t2.medium notebook usage for	FREE TRIAL
COMPUTE	AWS Lambda	1 Million free requests per month	ALWAYS FREE

Filter by:
Clear all filters

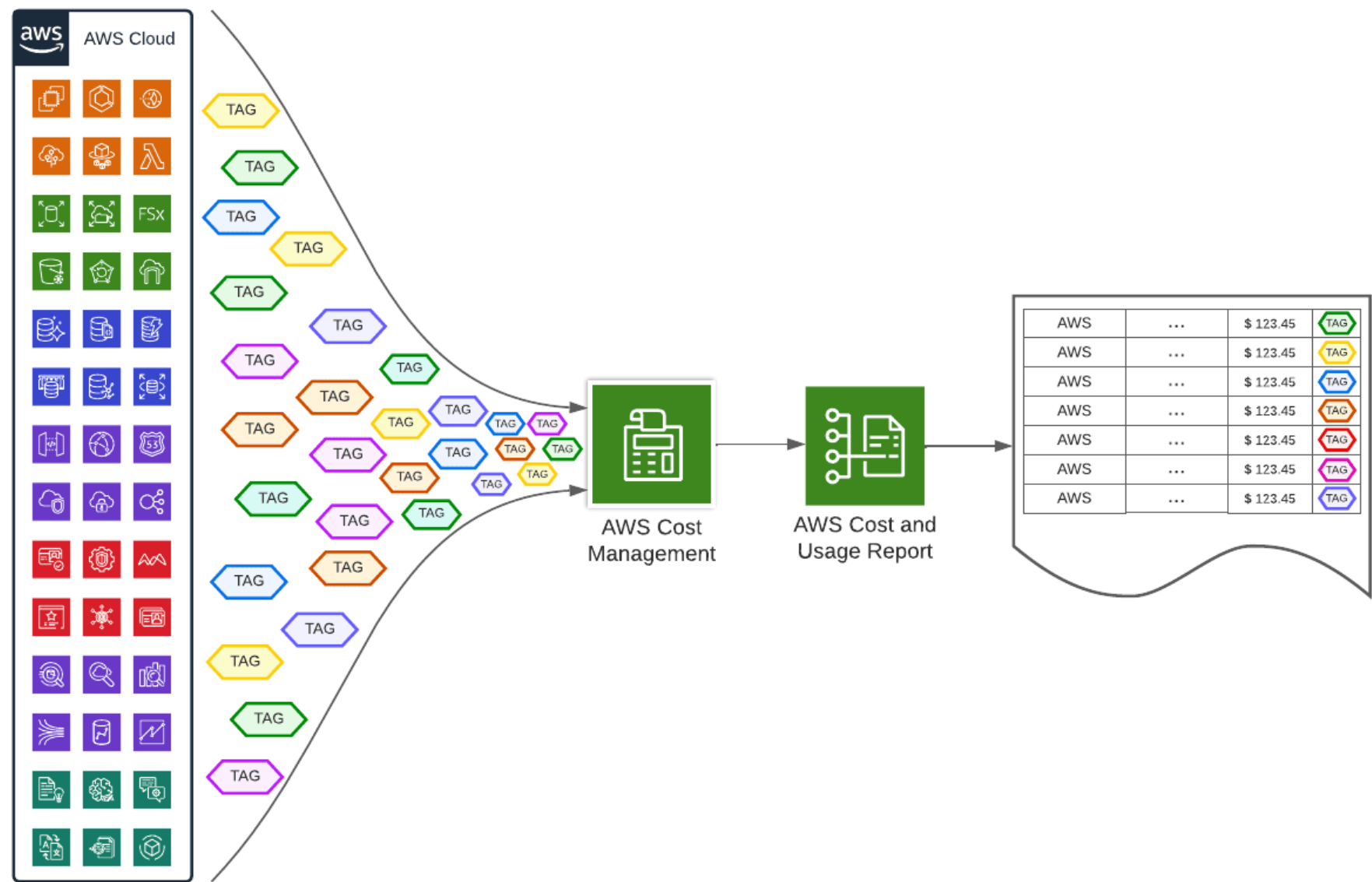
Tier Type

- ☐ Featured
- ☐ 12 Months Free
- ☐ Always Free
- ☐ Trials

Product Categories

- ☐ Analytics
- ☐ Application Integration
- ☐ AR & VR
- ☐ Business Productivity
- ☐ Compute
- ☐ Customer Engagement
- ☐ Database
- ☐ Developer tools
- ☐ End User Computing
- ☐ Front-End Web & Mobile
- ☐ Game Tech
- ☐ Internet of Things
- ☐ Machine Learning
- ☐ Management & Governance

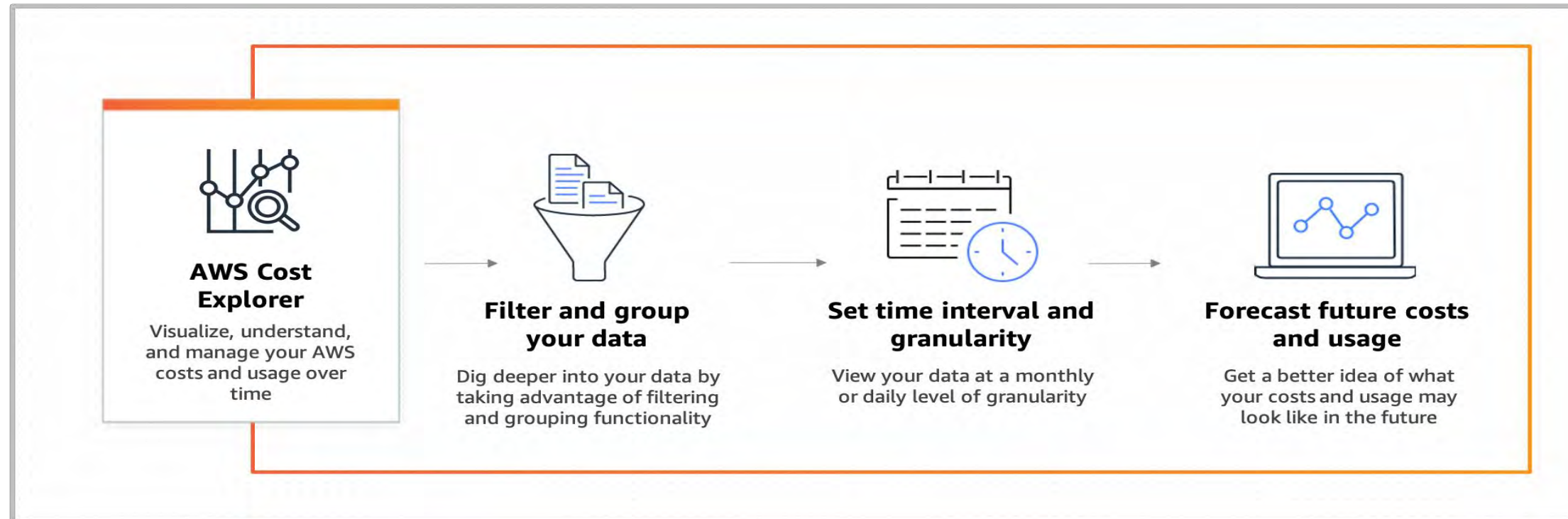
Cost Allocation Tags and Billing Reports



Cost and Usage Reports



Cost visualization tools in the AWS



- AWS Cost Explorer has an easy-to-use interface that lets you visualize, understand, and manage your AWS costs and usage over time. Get started quickly by creating custom reports that analyze cost and usage data.
- Analyze your data at a high level or dive deeper into your cost and usage data to identify trends, pinpoint cost drivers, and detect anomalies.

Pricing Models

AWS Pricing Models

Free Tier

- ❖ Free
- ❖ Opportunity to try new services
- ❖ Suitable for trials and testing
- ❖ Easy to Set Up
- ❖ Impractical for production grade use



On-Demand

- ❖ No Commitment
- ❖ No Upfront Costs
- ❖ Highly Flexible
- ❖ Easy to Set Up
- ❖ Suitable for Short Term Projects
- ❖ Most Expensive Option



Spot Instance

- ❖ No Commitment
- ❖ No Upfront Costs
- ❖ Limited Flexibility
- ❖ Can be Terminated with little notice
- ❖ Suitable for Fault Tolerant Apps
- ❖ Cheapest Option



Reserved Instance

- ❖ 1 or 3 year Commitment
- ❖ Upfront Cost Option
- ❖ Limited Flexibility
- ❖ Suitable for Predictable apps
- ❖ Cheaper than On-Demand



Savings Plan

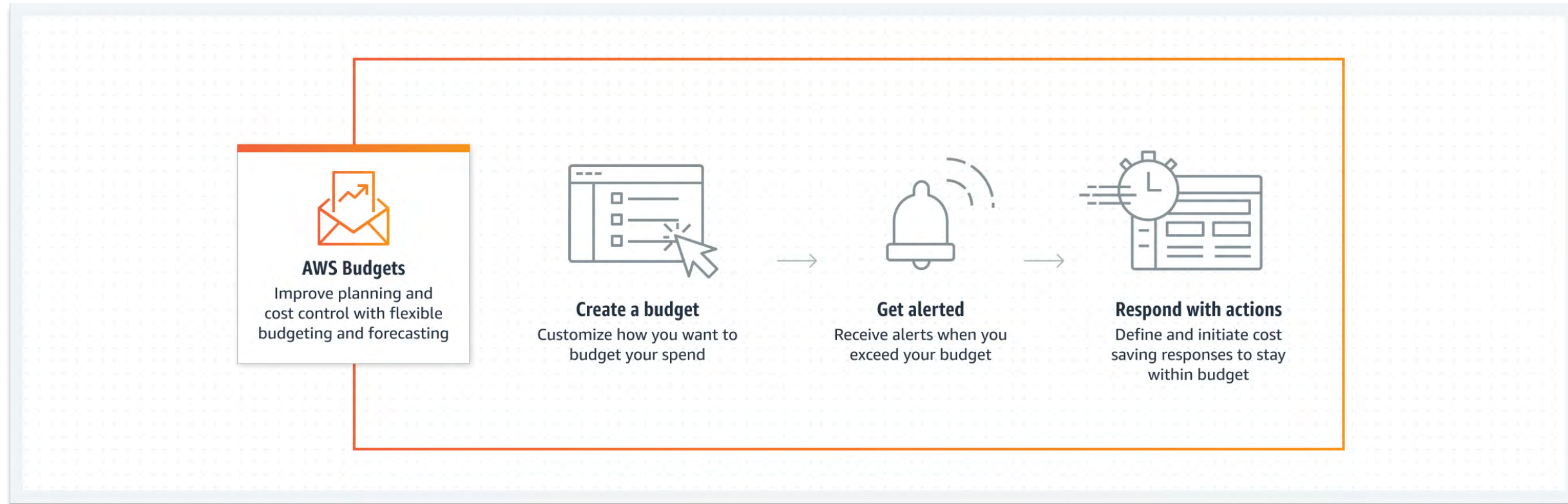
- ❖ 1 or 3 year Commitment
- ❖ Upfront Cost Option
- ❖ Flexible
- ❖ Predictable Costs
- ❖ Easy to work with
- ❖ Cheaper than On-Demand



AWS Pricing Calculator

- AWS Pricing Calculator is a web-based planning tool that you can use to create estimates for your AWS use cases.
- You can use it to model your solutions before building them, explore the AWS service price points, and review the calculations behind your estimates.
- You can use it to help you plan how you spend, find cost saving opportunities, and make informed decisions when using Amazon Web Services.

AWS Budgets



With AWS Budgets, set custom budgets to track your costs and usage, and respond quickly to alerts received from email or SNS notifications if you exceed your threshold.

AWS Budgets Use cases

- **Monitor costs and usage**

Set your preferred budget period to daily, monthly, quarterly, or annually, and create specific budget limits.

- **Create scheduled reports**

Stay informed on how actual or forecasted costs and usage progress toward your budget threshold.

- **Respond to thresholds**

Set up custom actions to run automatically or through an approval process when a budget target is exceeded.