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budgets	<i>AWS Budgets</i>
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Description

The AWS Budgets API enables you to use AWS Budgets to plan your service usage, service costs, and instance reservations. The API reference provides descriptions, syntax, and usage examples for each of the actions and data types for AWS Budgets.

Budgets provide you with a way to see the following information:

- How close your plan is to your budgeted amount or to the free tier limits
- Your usage-to-date, including how much you've used of your Reserved Instances (RIs)
- Your current estimated charges from AWS, and how much your predicted usage will accrue in charges by the end of the month
- How much of your budget has been used

AWS updates your budget status several times a day. Budgets track your unblended costs, subscriptions, refunds, and RIs. You can create the following types of budgets:

- **Cost budgets** - Plan how much you want to spend on a service.
- **Usage budgets** - Plan how much you want to use one or more services.
- **RI utilization budgets** - Define a utilization threshold, and receive alerts when your RI usage falls below that threshold. This lets you see if your RIs are unused or under-utilized.
- **RI coverage budgets** - Define a coverage threshold, and receive alerts when the number of your instance hours that are covered by RIs fall below that threshold. This lets you see how much of your instance usage is covered by a reservation.

Service Endpoint

The AWS Budgets API provides the following endpoint:

- <https://budgets.amazonaws.com>

For information about costs that are associated with the AWS Budgets API, see [AWS Cost Management Pricing](#).

Usage

```
budgets(config = list())
```

Arguments

config Optional configuration of credentials, endpoint, and/or region.

Service syntax

```
svc <- budgets(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string"
    ),
    endpoint = "string",
    region = "string"
  )
)
```

Operations

create_budget	Creates a budget and, if included, notifications and subscribers
create_notification	Creates a notification
create_subscriber	Creates a subscriber
delete_budget	Deletes a budget
delete_notification	Deletes a notification
delete_subscriber	Deletes a subscriber
describe_budget	Describes a budget
describe_budget_performance_history	Describes the history for DAILY, MONTHLY, and QUARTERLY budgets
describe_budgets	Lists the budgets that are associated with an account
describe_notifications_for_budget	Lists the notifications that are associated with a budget
describe_subscribers_for_notification	Lists the subscribers that are associated with a notification
update_budget	Updates a budget
update_notification	Updates a notification
update_subscriber	Updates a subscriber

Examples

```
svc <- budgets()
svc$create_budget(
  Foo = 123
```

)

 costandusagereportservice

AWS Cost and Usage Report Service

Description

The AWS Cost and Usage Report API enables you to programmatically create, query, and delete AWS Cost and Usage report definitions.

AWS Cost and Usage reports track the monthly AWS costs and usage associated with your AWS account. The report contains line items for each unique combination of AWS product, usage type, and operation that your AWS account uses. You can configure the AWS Cost and Usage report to show only the data that you want, using the AWS Cost and Usage API.

Service Endpoint

The AWS Cost and Usage Report API provides the following endpoint:

- cur.us-east-1.amazonaws.com

Usage

```
costandusagereportservice(config = list())
```

Arguments

`config` Optional configuration of credentials, endpoint, and/or region.

Service syntax

```
svc <- costandusagereportservice(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string"
    ),
    endpoint = "string",
    region = "string"
  )
)
```

Operations

delete_report_definition	Deletes the specified report
describe_report_definitions	Lists the AWS Cost and Usage reports available to this account
put_report_definition	Creates a new report using the description that you provide

Examples

```
# The following example deletes the AWS Cost and Usage report named
# ExampleReport.
svc <- costandusagereportservice()
svc$delete_report_definition(
  ReportName = "ExampleReport"
)
```

costexplorer

AWS Cost Explorer Service

Description

The Cost Explorer API enables you to programmatically query your cost and usage data. You can query for aggregated data such as total monthly costs or total daily usage. You can also query for granular data, such as the number of daily write operations for Amazon DynamoDB database tables in your production environment.

Service Endpoint

The Cost Explorer API provides the following endpoint:

- <https://ce.us-east-1.amazonaws.com>

For information about costs associated with the Cost Explorer API, see [AWS Cost Management Pricing](#).

Usage

```
costexplorer(config = list())
```

Arguments

`config` Optional configuration of credentials, endpoint, and/or region.

Service syntax

```

svc <- costexplorer(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string"
    ),
    endpoint = "string",
    region = "string"
  )
)

```

Operations

get_cost_and_usage	Retrieves cost and usage metrics for your account
get_cost_forecast	Retrieves a forecast for how much Amazon Web Services predicts that you will
get_dimension_values	Retrieves all available filter values for a specified filter over a period of time
get_reservation_coverage	Retrieves the reservation coverage for your account
get_reservation_purchase_recommendation	Gets recommendations for which reservations to purchase
get_reservation_utilization	Retrieves the reservation utilization for your account
get_tags	Queries for available tag keys and tag values for a specified period
get_usage_forecast	Retrieves a forecast for how much Amazon Web Services predicts that you will

Examples

```

svc <- costexplorer()
svc$get_cost_and_usage(
  Foo = 123
)

```

marketplacecommerceanalytics

AWS Marketplace Commerce Analytics

Description

Provides AWS Marketplace business intelligence data on-demand.

Usage

```
marketplacecommerceanalytics(config = list())
```

Arguments

config Optional configuration of credentials, endpoint, and/or region.

Service syntax

```
svc <- marketplacecommerceanalytics(  
  config = list(  
    credentials = list(  
      creds = list(  
        access_key_id = "string",  
        secret_access_key = "string",  
        session_token = "string"  
      ),  
      profile = "string"  
    ),  
    endpoint = "string",  
    region = "string"  
  )  
)
```

Operations

[generate_data_set](#) Given a data set type and data set publication date, asynchronously publishes the requested data set

[start_support_data_export](#) Given a data set type and a from date, asynchronously publishes the requested customer support data

Examples

```
svc <- marketplacecommerceanalytics()  
svc$generate_data_set(  
  Foo = 123  
)
```

Description

This reference provides descriptions of the AWS Marketplace Entitlement Service API.

AWS Marketplace Entitlement Service is used to determine the entitlement of a customer to a given product. An entitlement represents capacity in a product owned by the customer. For example, a customer might own some number of users or seats in an SaaS application or some amount of data capacity in a multi-tenant database.

Getting Entitlement Records

- *GetEntitlements*- Gets the entitlements for a Marketplace product.

Usage

```
marketplaceentitlementservice(config = list())
```

Arguments

config Optional configuration of credentials, endpoint, and/or region.

Service syntax

```
svc <- marketplaceentitlementservice(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string"
    ),
    endpoint = "string",
    region = "string"
  )
)
```

Operations

[get_entitlements](#) GetEntitlements retrieves entitlement values for a given product

Examples

```
svc <- marketplaceentitlementservice()
svc$get_entitlements(
  Foo = 123
)
```

marketplacemetering *AWSMarketplace Metering*

Description

AWS Marketplace Metering Service

This reference provides descriptions of the low-level AWS Marketplace Metering Service API.

AWS Marketplace sellers can use this API to submit usage data for custom usage dimensions.

Submitting Metering Records

- *MeterUsage*- Submits the metering record for a Marketplace product. *MeterUsage* is called from an EC2 instance.
- *BatchMeterUsage*- Submits the metering record for a set of customers. *BatchMeterUsage* is called from a software-as-a-service (SaaS) application.

Accepting New Customers

- *ResolveCustomer*- Called by a SaaS application during the registration process. When a buyer visits your website during the registration process, the buyer submits a Registration Token through the browser. The Registration Token is resolved through this API to obtain a CustomerIdentifier and Product Code.

Entitlement and Metering for Paid Container Products

- Paid container software products sold through AWS Marketplace must integrate with the AWS Marketplace Metering Service and call the *RegisterUsage* operation for software entitlement and metering. Calling *RegisterUsage* from containers running outside of Amazon Elastic Container Service (Amazon ECR) isn't supported. Free and BYOL products for ECS aren't required to call *RegisterUsage*, but you can do so if you want to receive usage data in your seller reports. For more information on using the *RegisterUsage* operation, see [Container-Based Products](#).

BatchMeterUsage API calls are captured by AWS CloudTrail. You can use Cloudtrail to verify that the SaaS metering records that you sent are accurate by searching for records with the *eventName* of *BatchMeterUsage*. You can also use CloudTrail to audit records over time. For more information, see the [AWS CloudTrail User Guide](#).

Usage

```
marketplacemetering(config = list())
```

Arguments

`config` Optional configuration of credentials, endpoint, and/or region.

Service syntax

```

svc <- marketplacemetering(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string"
    ),
    endpoint = "string",
    region = "string"
  )
)

```

Operations

batch_meter_usage	BatchMeterUsage is called from a SaaS application listed on the AWS Marketplace to post metering records to the
meter_usage	API to emit metering records
register_usage	Paid container software products sold through AWS Marketplace must integrate with the AWS Marketplace
resolve_customer	ResolveCustomer is called by a SaaS application during the registration process

Examples

```

svc <- marketplacemetering()
svc$batch_meter_usage(
  Foo = 123
)

```

pricing

AWS Price List Service

Description

AWS Price List Service API (AWS Price List Service) is a centralized and convenient way to programmatically query Amazon Web Services for services, products, and pricing information. The AWS Price List Service uses standardized product attributes such as Location, Storage Class, and Operating System, and provides prices at the SKU level. You can use the AWS Price List Service to build cost control and scenario planning tools, reconcile billing data, forecast future spend for budgeting purposes, and provide cost benefit analysis that compare your internal workloads with AWS.

Use `GetServices` without a service code to retrieve the service codes for all AWS services, then `GetServices` with a service code to retrieve the attribute names for that service. After you have the service code and attribute names, you can use `GetAttributeValues` to see what values are available for an attribute. With the service code and an attribute name and value, you can use `GetProducts` to find specific products that you're interested in, such as an AmazonEC2 instance, with a Provisioned IOPS volumeType.

Service Endpoint

AWS Price List Service API provides the following two endpoints:

- <https://api.pricing.us-east-1.amazonaws.com>
- <https://api.pricing.ap-south-1.amazonaws.com>

Usage

```
pricing(config = list())
```

Arguments

`config` Optional configuration of credentials, endpoint, and/or region.

Service syntax

```
svc <- pricing(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string"
    ),
    endpoint = "string",
    region = "string"
  )
)
```

Operations

describe_services	Returns the metadata for one service or a list of the metadata for all services
get_attribute_values	Returns a list of attribute values
get_products	Returns a list of all products that match the filter criteria

Examples

```
svc <- pricing()
```

```
svc$describe_services(  
  FormatVersion = "aws_v1",  
  MaxResults = 1L,  
  ServiceCode = "AmazonEC2"  
)
```

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