

Package ‘paws.analytics’

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Title 'Amazon Web Services' Analytics Services

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Description Interface to 'Amazon Web Services' 'analytics' services, including 'Elastic MapReduce' 'Hadoop' and 'Spark' big data service, 'Elasticsearch' search engine, and more <<https://aws.amazon.com/>>.

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URL <https://github.com/paws-r/paws>,
<https://paws-r.r-universe.dev/paws.analytics>

BugReports <https://github.com/paws-r/paws/issues>

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'cloudsearch_service.R' 'cloudsearch_interfaces.R'
'cloudsearch_operations.R' 'cloudsearchdomain_service.R'
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'cloudsearchdomain_operations.R' 'datapipeline_service.R'
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'firehose_interfaces.R' 'firehose_operations.R'
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'healthlake_interfaces.R' 'healthlake_operations.R'
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 'opensearchserviceserverless_operations.R'
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Contents

athena	3
cloudsearch	7
cloudsearchdomain	10
datapipeline	12
datazone	15
elasticsearchservice	20
emr	24
entityresolution	27
firehose	30
glue	33
gluedatabrew	40

healthlake	43
ivs	46
ivsrealtime	50
kafka	54
kafkaconnect	57
kendra	60
kendraranking	63
kinesis	66
kinesisanalytics	69
kinesisanalyticsv2	71
mturk	74
opensearchingestion	77
opensearchservice	80
opensearchserviceserverless	84
quicksight	87

Index	94
--------------	-----------

athena	<i>Amazon Athena</i>
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Description

Amazon Athena is an interactive query service that lets you use standard SQL to analyze data directly in Amazon S3. You can point Athena at your data in Amazon S3 and run ad-hoc queries and get results in seconds. Athena is serverless, so there is no infrastructure to set up or manage. You pay only for the queries you run. Athena scales automatically—executing queries in parallel—so results are fast, even with large datasets and complex queries. For more information, see [What is Amazon Athena](#) in the *Amazon Athena User Guide*.

If you connect to Athena using the JDBC driver, use version 1.1.0 of the driver or later with the Amazon Athena API. Earlier version drivers do not support the API. For more information and to download the driver, see [Accessing Amazon Athena with JDBC](#).

Usage

```
athena(config = list(), credentials = list(), endpoint = NULL, region = NULL)
```

Arguments

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

- **credentials:**
 - **creds:**
 - * **access_key_id:** AWS access key ID
 - * **secret_access_key:** AWS secret access key
 - * **session_token:** AWS temporary session token
 - **profile:** The name of a profile to use. If not given, then the default profile is used.

	<ul style="list-style-type: none"> – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to <code>true</code> to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html
credentials	Optional credentials shorthand for the config parameter <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```
svc <- athena(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
```

```

        sts_regional_endpoint = "string"
    ),
    credentials = list(
        creds = list(
            access_key_id = "string",
            secret_access_key = "string",
            session_token = "string"
        ),
        profile = "string",
        anonymous = "logical"
    ),
    endpoint = "string",
    region = "string"
)

```

Operations

batch_get_named_query	Returns the details of a single named query or a list of up to 50 queries, which you p
batch_get_prepared_statement	Returns the details of a single prepared statement or a list of up to 256 prepared stat
batch_get_query_execution	Returns the details of a single query execution or a list of up to 50 query executions
cancel_capacity_reservation	Cancels the capacity reservation with the specified name
create_capacity_reservation	Creates a capacity reservation with the specified name and number of requested dat
create_data_catalog	Creates (registers) a data catalog with the specified name and properties
create_named_query	Creates a named query in the specified workgroup
create_notebook	Creates an empty ipynb file in the specified Apache Spark enabled workgroup
create_prepared_statement	Creates a prepared statement for use with SQL queries in Athena
create_presigned_notebook_url	Gets an authentication token and the URL at which the notebook can be accessed
create_work_group	Creates a workgroup with the specified name
delete_capacity_reservation	Deletes a cancelled capacity reservation
delete_data_catalog	Deletes a data catalog
delete_named_query	Deletes the named query if you have access to the workgroup in which the query w
delete_notebook	Deletes the specified notebook
delete_prepared_statement	Deletes the prepared statement with the specified name from the specified workgrou
delete_work_group	Deletes the workgroup with the specified name
export_notebook	Exports the specified notebook and its metadata
get_calculation_execution	Describes a previously submitted calculation execution
get_calculation_execution_code	Retrieves the unencrypted code that was executed for the calculation
get_calculation_execution_status	Gets the status of a current calculation
get_capacity_assignment_configuration	Gets the capacity assignment configuration for a capacity reservation, if one exists
get_capacity_reservation	Returns information about the capacity reservation with the specified name
get_database	Returns a database object for the specified database and data catalog
get_data_catalog	Returns the specified data catalog
get_named_query	Returns information about a single query
get_notebook_metadata	Retrieves notebook metadata for the specified notebook ID
get_prepared_statement	Retrieves the prepared statement with the specified name from the specified workgr
get_query_execution	Returns information about a single execution of a query if you have access to the w
get_query_results	Streams the results of a single query execution specified by QueryExecutionId from
get_query_runtime_statistics	Returns query execution runtime statistics related to a single execution of a query if

<code>get_session</code>	Gets the full details of a previously created session, including the session status and
<code>get_session_status</code>	Gets the current status of a session
<code>get_table_metadata</code>	Returns table metadata for the specified catalog, database, and table
<code>get_work_group</code>	Returns information about the workgroup with the specified name
<code>import_notebook</code>	Imports a single ipynb file to a Spark enabled workgroup
<code>list_application_dpu_sizes</code>	Returns the supported DPU sizes for the supported application runtimes (for example,
<code>list_calculation_executions</code>	Lists the calculations that have been submitted to a session in descending order
<code>list_capacity_reservations</code>	Lists the capacity reservations for the current account
<code>list_databases</code>	Lists the databases in the specified data catalog
<code>list_data_catalogs</code>	Lists the data catalogs in the current Amazon Web Services account
<code>list_engine_versions</code>	Returns a list of engine versions that are available to choose from, including the Au
<code>list_executors</code>	Lists, in descending order, the executors that joined a session
<code>list_named_queries</code>	Provides a list of available query IDs only for queries saved in the specified workgro
<code>list_notebook_metadata</code>	Displays the notebook files for the specified workgroup in paginated format
<code>list_notebook_sessions</code>	Lists, in descending order, the sessions that have been created in a notebook that are
<code>list_prepared_statements</code>	Lists the prepared statements in the specified workgroup
<code>list_query_executions</code>	Provides a list of available query execution IDs for the queries in the specified work
<code>list_sessions</code>	Lists the sessions in a workgroup that are in an active state like CREATING, CREA
<code>list_table_metadata</code>	Lists the metadata for the tables in the specified data catalog database
<code>list_tags_for_resource</code>	Lists the tags associated with an Athena resource
<code>list_work_groups</code>	Lists available workgroups for the account
<code>put_capacity_assignment_configuration</code>	Puts a new capacity assignment configuration for a specified capacity reservation
<code>start_calculation_execution</code>	Submits calculations for execution within a session
<code>start_query_execution</code>	Runs the SQL query statements contained in the Query
<code>start_session</code>	Creates a session for running calculations within a workgroup
<code>stop_calculation_execution</code>	Requests the cancellation of a calculation
<code>stop_query_execution</code>	Stops a query execution
<code>tag_resource</code>	Adds one or more tags to an Athena resource
<code>terminate_session</code>	Terminates an active session
<code>untag_resource</code>	Removes one or more tags from an Athena resource
<code>update_capacity_reservation</code>	Updates the number of requested data processing units for the capacity reservation
<code>update_data_catalog</code>	Updates the data catalog that has the specified name
<code>update_named_query</code>	Updates a NamedQuery object
<code>update_notebook</code>	Updates the contents of a Spark notebook
<code>update_notebook_metadata</code>	Updates the metadata for a notebook
<code>update_prepared_statement</code>	Updates a prepared statement
<code>update_work_group</code>	Updates the workgroup with the specified name

Examples

```
## Not run:
svc <- athena()
svc$batch_get_named_query(
  Foo = 123
)

## End(Not run)
```

`cloudsearch`*Amazon CloudSearch*

Description

Amazon CloudSearch Configuration Service

You use the Amazon CloudSearch configuration service to create, configure, and manage search domains. Configuration service requests are submitted using the AWS Query protocol. AWS Query requests are HTTP or HTTPS requests submitted via HTTP GET or POST with a query parameter named Action.

The endpoint for configuration service requests is region-specific: `cloudsearch.region.amazonaws.com`. For example, `cloudsearch.us-east-1.amazonaws.com`. For a current list of supported regions and endpoints, see Regions and Endpoints.

Usage

```
cloudsearch(  
    config = list(),  
    credentials = list(),  
    endpoint = NULL,  
    region = NULL  
)
```

Arguments

- `config` Optional configuration of credentials, endpoint, and/or region.
- **credentials:**
 - **creds:**
 - * **access_key_id:** AWS access key ID
 - * **secret_access_key:** AWS secret access key
 - * **session_token:** AWS temporary session token
 - **profile:** The name of a profile to use. If not given, then the default profile is used.
 - **anonymous:** Set anonymous credentials.
 - **endpoint:** The complete URL to use for the constructed client.
 - **region:** The AWS Region used in instantiating the client.
 - **close_connection:** Immediately close all HTTP connections.
 - **timeout:** The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds.
 - **s3_force_path_style:** Set this to `true` to force the request to use path-style addressing, i.e. `http://s3.amazonaws.com/BUCKET/KEY`.

	<ul style="list-style-type: none"> • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html
credentials	<p>Optional credentials shorthand for the config parameter</p> <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```
svc <- cloudsearch(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
```

```

        anonymous = "logical"
    ),
    endpoint = "string",
    region = "string"
)

```

Operations

build_suggesters	Indexes the search suggestions
create_domain	Creates a new search domain
define_analysis_scheme	Configures an analysis scheme that can be applied to a text or text-array field to define I
define_expression	Configures an Expression for the search domain
define_index_field	Configures an IndexField for the search domain
define_suggester	Configures a suggester for a domain
delete_analysis_scheme	Deletes an analysis scheme
delete_domain	Permanently deletes a search domain and all of its data
delete_expression	Removes an Expression from the search domain
delete_index_field	Removes an IndexField from the search domain
delete_suggester	Deletes a suggester
describe_analysis_schemes	Gets the analysis schemes configured for a domain
describe_availability_options	Gets the availability options configured for a domain
describe_domain_endpoint_options	Returns the domain's endpoint options, specifically whether all requests to the domain r
describe_domains	Gets information about the search domains owned by this account
describe_expressions	Gets the expressions configured for the search domain
describe_index_fields	Gets information about the index fields configured for the search domain
describe_scaling_parameters	Gets the scaling parameters configured for a domain
describe_service_access_policies	Gets information about the access policies that control access to the domain's document
describe_suggesters	Gets the suggesters configured for a domain
index_documents	Tells the search domain to start indexing its documents using the latest indexing options
list_domain_names	Lists all search domains owned by an account
update_availability_options	Configures the availability options for a domain
update_domain_endpoint_options	Updates the domain's endpoint options, specifically whether all requests to the domain r
update_scaling_parameters	Configures scaling parameters for a domain
update_service_access_policies	Configures the access rules that control access to the domain's document and search end

Examples

```

## Not run:
svc <- cloudsearch()
svc$build_suggesters(
  Foo = 123
)

## End(Not run)

```

cloudsearchdomain	<i>Amazon CloudSearch Domain</i>
-------------------	----------------------------------

Description

You use the AmazonCloudSearch2013 API to upload documents to a search domain and search those documents.

The endpoints for submitting `upload_documents`, `search`, and `suggest` requests are domain-specific. To get the endpoints for your domain, use the Amazon CloudSearch configuration service `DescribeDomains` action. The domain endpoints are also displayed on the domain dashboard in the Amazon CloudSearch console. You submit suggest requests to the search endpoint.

For more information, see the [Amazon CloudSearch Developer Guide](#).

Usage

```
cloudsearchdomain(
  config = list(),
  credentials = list(),
  endpoint = NULL,
  region = NULL
)
```

Arguments

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

- **credentials:**

- **creds:**

- * **access_key_id:** AWS access key ID
- * **secret_access_key:** AWS secret access key
- * **session_token:** AWS temporary session token

- **profile:** The name of a profile to use. If not given, then the default profile is used.

- **anonymous:** Set anonymous credentials.

- **endpoint:** The complete URL to use for the constructed client.

- **region:** The AWS Region used in instantiating the client.

- **close_connection:** Immediately close all HTTP connections.

- **timeout:** The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds.

- **s3_force_path_style:** Set this to `true` to force the request to use path-style addressing, i.e. `http://s3.amazonaws.com/BUCKET/KEY`.

- **sts_regional_endpoint:** Set sts regional endpoint resolver to regional or legacy <https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html>

`credentials` Optional credentials shorthand for the `config` parameter

- **creds:**
 - **access_key_id:** AWS access key ID
 - **secret_access_key:** AWS secret access key
 - **session_token:** AWS temporary session token
 - **profile:** The name of a profile to use. If not given, then the default profile is used.
 - **anonymous:** Set anonymous credentials.
- endpoint Optional shorthand for complete URL to use for the constructed client.
- region Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```
svc <- cloudsearchdomain(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
  ),
  endpoint = "string",
  region = "string"
)
```

Operations

search	Retrieves a list of documents that match the specified search criteria
suggest	Retrieves autocomplete suggestions for a partial query string
upload_documents	Posts a batch of documents to a search domain for indexing

Examples

```
## Not run:
svc <- cloudsearchdomain()
svc$search(
  Foo = 123
)

## End(Not run)
```

datapipeline

AWS Data Pipeline

Description

AWS Data Pipeline configures and manages a data-driven workflow called a pipeline. AWS Data Pipeline handles the details of scheduling and ensuring that data dependencies are met so that your application can focus on processing the data.

AWS Data Pipeline provides a JAR implementation of a task runner called AWS Data Pipeline Task Runner. AWS Data Pipeline Task Runner provides logic for common data management scenarios, such as performing database queries and running data analysis using Amazon Elastic MapReduce (Amazon EMR). You can use AWS Data Pipeline Task Runner as your task runner, or you can write your own task runner to provide custom data management.

AWS Data Pipeline implements two main sets of functionality. Use the first set to create a pipeline and define data sources, schedules, dependencies, and the transforms to be performed on the data. Use the second set in your task runner application to receive the next task ready for processing. The logic for performing the task, such as querying the data, running data analysis, or converting the data from one format to another, is contained within the task runner. The task runner performs the task assigned to it by the web service, reporting progress to the web service as it does so. When the task is done, the task runner reports the final success or failure of the task to the web service.

Usage

```
datapipeline(
  config = list(),
  credentials = list(),
  endpoint = NULL,
  region = NULL
)
```

Arguments

config	Optional configuration of credentials, endpoint, and/or region. <ul style="list-style-type: none"> • credentials: <ul style="list-style-type: none"> – creds: <ul style="list-style-type: none"> * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to <code>true</code> to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html
credentials	Optional credentials shorthand for the config parameter <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```
svc <- datapipeline(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
```

```

        secret_access_key = "string",
        session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
),
endpoint = "string",
region = "string",
close_connection = "logical",
timeout = "numeric",
s3_force_path_style = "logical",
sts_regional_endpoint = "string"
),
credentials = list(
    creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
),
endpoint = "string",
region = "string"
)

```

Operations

activate_pipeline	Validates the specified pipeline and starts processing pipeline tasks
add_tags	Adds or modifies tags for the specified pipeline
create_pipeline	Creates a new, empty pipeline
deactivate_pipeline	Deactivates the specified running pipeline
delete_pipeline	Deletes a pipeline, its pipeline definition, and its run history
describe_objects	Gets the object definitions for a set of objects associated with the pipeline
describe_pipelines	Retrieves metadata about one or more pipelines
evaluate_expression	Task runners call EvaluateExpression to evaluate a string in the context of the specified object
get_pipeline_definition	Gets the definition of the specified pipeline
list_pipelines	Lists the pipeline identifiers for all active pipelines that you have permission to access
poll_for_task	Task runners call PollForTask to receive a task to perform from AWS Data Pipeline
put_pipeline_definition	Adds tasks, schedules, and preconditions to the specified pipeline
query_objects	Queries the specified pipeline for the names of objects that match the specified set of conditions
remove_tags	Removes existing tags from the specified pipeline
report_task_progress	Task runners call ReportTaskProgress when assigned a task to acknowledge that it has the task
report_task_runner_heartbeat	Task runners call ReportTaskRunnerHeartbeat every 15 minutes to indicate that they are operating
set_status	Requests that the status of the specified physical or logical pipeline objects be updated in the system
set_task_status	Task runners call SetTaskStatus to notify AWS Data Pipeline that a task is completed and provided
validate_pipeline_definition	Validates the specified pipeline definition to ensure that it is well formed and can be run without

Examples

```
## Not run:
svc <- datapipeline()
svc$activate_pipeline(
  Foo = 123
)

## End(Not run)
```

datazone

Amazon DataZone

Description

Amazon DataZone is a data management service that enables you to catalog, discover, govern, share, and analyze your data. With Amazon DataZone, you can share and access your data across accounts and supported regions. Amazon DataZone simplifies your experience across Amazon Web Services services, including, but not limited to, Amazon Redshift, Amazon Athena, Amazon Web Services Glue, and Amazon Web Services Lake Formation.

Usage

```
datazone(config = list(), credentials = list(), endpoint = NULL, region = NULL)
```

Arguments

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

- **credentials:**
 - **creds:**
 - * **access_key_id:** AWS access key ID
 - * **secret_access_key:** AWS secret access key
 - * **session_token:** AWS temporary session token
 - **profile:** The name of a profile to use. If not given, then the default profile is used.
 - **anonymous:** Set anonymous credentials.
- **endpoint:** The complete URL to use for the constructed client.
- **region:** The AWS Region used in instantiating the client.
- **close_connection:** Immediately close all HTTP connections.
- **timeout:** The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds.
- **s3_force_path_style:** Set this to `true` to force the request to use path-style addressing, i.e. `http://s3.amazonaws.com/BUCKET/KEY`.

	<ul style="list-style-type: none"> • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html
credentials	<p>Optional credentials shorthand for the config parameter</p> <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```
svc <- datazone(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
```

```

        anonymous = "logical"
    ),
    endpoint = "string",
    region = "string"
)

```

Operations

accept_predictions	Accepts automatically generated business-friendly metadata for your Amazon
accept_subscription_request	Accepts a subscription request to a specific asset
add_entity_owner	Adds the owner of an entity (a domain unit)
add_policy_grant	Adds a policy grant (an authorization policy) to a specified entity, including do
associate_environment_role	Associates the environment role in Amazon DataZone
cancel_metadata_generation_run	Cancels the metadata generation run
cancel_subscription	Cancels the subscription to the specified asset
create_asset	Creates an asset in Amazon DataZone catalog
create_asset_filter	Creates a data asset filter
create_asset_revision	Creates a revision of the asset
create_asset_type	Creates a custom asset type
create_connection	Creates a new connection
create_data_product	Creates a data product
create_data_product_revision	Creates a data product revision
create_data_source	Creates an Amazon DataZone data source
create_domain	Creates an Amazon DataZone domain
create_domain_unit	Creates a domain unit in Amazon DataZone
create_environment	Create an Amazon DataZone environment
create_environment_action	Creates an action for the environment, for example, creates a console link for a
create_environment_profile	Creates an Amazon DataZone environment profile
create_form_type	Creates a metadata form type
create_glossary	Creates an Amazon DataZone business glossary
create_glossary_term	Creates a business glossary term
create_group_profile	Creates a group profile in Amazon DataZone
create_listing_change_set	Publishes a listing (a record of an asset at a given time) or removes a listing fro
create_project	Creates an Amazon DataZone project
create_project_membership	Creates a project membership in Amazon DataZone
create_project_profile	Creates a project profile
create_rule	Creates a rule in Amazon DataZone
create_subscription_grant	Creates a subsscription grant in Amazon DataZone
create_subscription_request	Creates a subscription request in Amazon DataZone
create_subscription_target	Creates a subscription target in Amazon DataZone
create_user_profile	Creates a user profile in Amazon DataZone
delete_asset	Deletes an asset in Amazon DataZone
delete_asset_filter	Deletes an asset filter
delete_asset_type	Deletes an asset type in Amazon DataZone
delete_connection	Deletes and connection
delete_data_product	Deletes a data product in Amazon DataZone
delete_data_source	Deletes a data source in Amazon DataZone
delete_domain	Deletes a Amazon DataZone domain

delete_domain_unit	Deletes a domain unit
delete_environment	Deletes an environment in Amazon DataZone
delete_environment_action	Deletes an action for the environment, for example, deletes a console link for a
delete_environment_blueprint_configuration	Deletes the blueprint configuration in Amazon DataZone
delete_environment_profile	Deletes an environment profile in Amazon DataZone
delete_form_type	Deletes and metadata form type in Amazon DataZone
delete_glossary	Deletes a business glossary in Amazon DataZone
delete_glossary_term	Deletes a business glossary term in Amazon DataZone
delete_listing	Deletes a listing (a record of an asset at a given time)
delete_project	Deletes a project in Amazon DataZone
delete_project_membership	Deletes project membership in Amazon DataZone
delete_project_profile	Deletes a project profile
delete_rule	Deletes a rule in Amazon DataZone
delete_subscription_grant	Deletes and subscription grant in Amazon DataZone
delete_subscription_request	Deletes a subscription request in Amazon DataZone
delete_subscription_target	Deletes a subscription target in Amazon DataZone
delete_time_series_data_points	Deletes the specified time series form for the specified asset
disassociate_environment_role	Disassociates the environment role in Amazon DataZone
get_asset	Gets an Amazon DataZone asset
get_asset_filter	Gets an asset filter
get_asset_type	Gets an Amazon DataZone asset type
get_connection	Gets a connection
get_data_product	Gets the data product
get_data_source	Gets an Amazon DataZone data source
get_data_source_run	Gets an Amazon DataZone data source run
get_domain	Gets an Amazon DataZone domain
get_domain_unit	Gets the details of the specified domain unit
get_environment	Gets an Amazon DataZone environment
get_environment_action	Gets the specified environment action
get_environment_blueprint	Gets an Amazon DataZone blueprint
get_environment_blueprint_configuration	Gets the blueprint configuration in Amazon DataZone
get_environment_credentials	Gets the credentials of an environment in Amazon DataZone
get_environment_profile	Gets an environment profile in Amazon DataZone
get_form_type	Gets a metadata form type in Amazon DataZone
get_glossary	Gets a business glossary in Amazon DataZone
get_glossary_term	Gets a business glossary term in Amazon DataZone
get_group_profile	Gets a group profile in Amazon DataZone
get_iam_portal_login_url	Gets the data portal URL for the specified Amazon DataZone domain
get_job_run	The details of the job run
get_lineage_event	Describes the lineage event
get_lineage_node	Gets the data lineage node
get_listing	Gets a listing (a record of an asset at a given time)
get_metadata_generation_run	Gets a metadata generation run in Amazon DataZone
get_project	Gets a project in Amazon DataZone
get_project_profile	The details of the project profile
get_rule	Gets the details of a rule in Amazon DataZone
get_subscription	Gets a subscription in Amazon DataZone
get_subscription_grant	Gets the subscription grant in Amazon DataZone

get_subscription_request_details	Gets the details of the specified subscription request
get_subscription_target	Gets the subscription target in Amazon DataZone
get_time_series_data_point	Gets the existing data point for the asset
get_user_profile	Gets a user profile in Amazon DataZone
list_asset_filters	Lists asset filters
list_asset_revisions	Lists the revisions for the asset
list_connections	Lists connections
list_data_product_revisions	Lists data product revisions
list_data_source_run_activities	Lists data source run activities
list_data_source_runs	Lists data source runs in Amazon DataZone
list_data_sources	Lists data sources in Amazon DataZone
list_domains	Lists Amazon DataZone domains
list_domain_units_for_parent	Lists child domain units for the specified parent domain unit
list_entity_owners	Lists the entity (domain units) owners
list_environment_actions	Lists existing environment actions
list_environment_blueprint_configurations	Lists blueprint configurations for a Amazon DataZone environment
list_environment_blueprints	Lists blueprints in an Amazon DataZone environment
list_environment_profiles	Lists Amazon DataZone environment profiles
list_environments	Lists Amazon DataZone environments
list_job_runs	Lists job runs
list_lineage_events	Lists lineage events
list_lineage_node_history	Lists the history of the specified data lineage node
list_metadata_generation_runs	Lists all metadata generation runs
list_notifications	Lists all Amazon DataZone notifications
list_policy_grants	Lists policy grants
list_project_memberships	Lists all members of the specified project
list_project_profiles	Lists project profiles
list_projects	Lists Amazon DataZone projects
list_rules	Lists existing rules
list_subscription_grants	Lists subscription grants
list_subscription_requests	Lists Amazon DataZone subscription requests
list_subscriptions	Lists subscriptions in Amazon DataZone
list_subscription_targets	Lists subscription targets in Amazon DataZone
list_tags_for_resource	Lists tags for the specified resource in Amazon DataZone
list_time_series_data_points	Lists time series data points
post_lineage_event	Posts a data lineage event
post_time_series_data_points	Posts time series data points to Amazon DataZone for the specified asset
put_environment_blueprint_configuration	Writes the configuration for the specified environment blueprint in Amazon DataZone
reject_predictions	Rejects automatically generated business-friendly metadata for your Amazon DataZone
reject_subscription_request	Rejects the specified subscription request
remove_entity_owner	Removes an owner from an entity
remove_policy_grant	Removes a policy grant
revoke_subscription	Revokes a specified subscription in Amazon DataZone
search	Searches for assets in Amazon DataZone
search_group_profiles	Searches group profiles in Amazon DataZone
search_listings	Searches listings (records of an asset at a given time) in Amazon DataZone
search_types	Searches for types in Amazon DataZone
search_user_profiles	Searches user profiles in Amazon DataZone

<code>start_data_source_run</code>	Start the run of the specified data source in Amazon DataZone
<code>start_metadata_generation_run</code>	Starts the metadata generation run
<code>tag_resource</code>	Tags a resource in Amazon DataZone
<code>untag_resource</code>	Untags a resource in Amazon DataZone
<code>update_asset_filter</code>	Updates an asset filter
<code>update_connection</code>	Updates a connection
<code>update_data_source</code>	Updates the specified data source in Amazon DataZone
<code>update_domain</code>	Updates a Amazon DataZone domain
<code>update_domain_unit</code>	Updates the domain unit
<code>update_environment</code>	Updates the specified environment in Amazon DataZone
<code>update_environment_action</code>	Updates an environment action
<code>update_environment_profile</code>	Updates the specified environment profile in Amazon DataZone
<code>update_glossary</code>	Updates the business glossary in Amazon DataZone
<code>update_glossary_term</code>	Updates a business glossary term in Amazon DataZone
<code>update_group_profile</code>	Updates the specified group profile in Amazon DataZone
<code>update_project</code>	Updates the specified project in Amazon DataZone
<code>update_project_profile</code>	Updates a project profile
<code>update_rule</code>	Updates a rule
<code>update_subscription_grant_status</code>	Updates the status of the specified subscription grant status in Amazon DataZone
<code>update_subscription_request</code>	Updates a specified subscription request in Amazon DataZone
<code>update_subscription_target</code>	Updates the specified subscription target in Amazon DataZone
<code>update_user_profile</code>	Updates the specified user profile in Amazon DataZone

Examples

```
## Not run:
svc <- datazone()
svc$accept_predictions(
  Foo = 123
)

## End(Not run)
```

elasticsearchservice *Amazon Elasticsearch Service*

Description

Amazon Elasticsearch Configuration Service

Use the Amazon Elasticsearch Configuration API to create, configure, and manage Elasticsearch domains.

For sample code that uses the Configuration API, see the [Amazon Elasticsearch Service Developer Guide](#). The guide also contains [sample code for sending signed HTTP requests to the Elasticsearch APIs](#).

The endpoint for configuration service requests is region-specific: `es.region.amazonaws.com`. For example, `es.us-east-1.amazonaws.com`. For a current list of supported regions and endpoints, see [Regions and Endpoints](#).

Usage

```
elasticsearchservice(
  config = list(),
  credentials = list(),
  endpoint = NULL,
  region = NULL
)
```

Arguments

<code>config</code>	Optional configuration of credentials, endpoint, and/or region. <ul style="list-style-type: none"> • credentials: <ul style="list-style-type: none"> – creds: <ul style="list-style-type: none"> * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to <code>true</code> to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html
<code>credentials</code>	Optional credentials shorthand for the <code>config</code> parameter <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
<code>endpoint</code>	Optional shorthand for complete URL to use for the constructed client.
<code>region</code>	Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```
svc <- elasticsearchservice(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
  ),
  endpoint = "string",
  region = "string"
)
```

Operations

[accept_inbound_cross_cluster_search_connection](#)
[add_tags](#)
[associate_package](#)
[authorize_vpc_endpoint_access](#)
[cancel_domain_config_change](#)
[cancel_elasticsearch_service_software_update](#)
[create_elasticsearch_domain](#)
[create_outbound_cross_cluster_search_connection](#)

Allows the destination domain owner to accept an inbound cross-cluster search connection
 Attaches tags to an existing Elasticsearch domain
 Associates a package with an Amazon ES domain
 Provides access to an Amazon OpenSearch Service domain through a VPC endpoint
 Cancels a pending configuration change on an Amazon OpenSearch Service domain
 Cancels a scheduled service software update for an Amazon ES domain
 Creates a new Elasticsearch domain
 Creates a new cross-cluster search connection from a source domain

<code>create_package</code>	Create a package for use with Amazon ES domains
<code>create_vpc_endpoint</code>	Creates an Amazon OpenSearch Service-managed VPC endpoint
<code>delete_elasticsearch_domain</code>	Permanently deletes the specified Elasticsearch domain and all of its
<code>delete_elasticsearch_service_role</code>	Deletes the service-linked role that Elasticsearch Service uses to man
<code>delete_inbound_cross_cluster_search_connection</code>	Allows the destination domain owner to delete an existing inbound cr
<code>delete_outbound_cross_cluster_search_connection</code>	Allows the source domain owner to delete an existing outbound cross
<code>delete_package</code>	Delete the package
<code>delete_vpc_endpoint</code>	Deletes an Amazon OpenSearch Service-managed interface VPC end
<code>describe_domain_auto_tunes</code>	Provides scheduled Auto-Tune action details for the Elasticsearch do
<code>describe_domain_change_progress</code>	Returns information about the current blue/green deployment happen
<code>describe_elasticsearch_domain</code>	Returns domain configuration information about the specified Elastic
<code>describe_elasticsearch_domain_config</code>	Provides cluster configuration information about the specified Elastic
<code>describe_elasticsearch_domains</code>	Returns domain configuration information about the specified Elastic
<code>describe_elasticsearch_instance_type_limits</code>	Describe Elasticsearch Limits for a given InstanceType and Elasticse
<code>describe_inbound_cross_cluster_search_connections</code>	Lists all the inbound cross-cluster search connections for a destination
<code>describe_outbound_cross_cluster_search_connections</code>	Lists all the outbound cross-cluster search connections for a source d
<code>describe_packages</code>	Describes all packages available to Amazon ES
<code>describe_reserved_elasticsearch_instance_offerings</code>	Lists available reserved Elasticsearch instance offerings
<code>describe_reserved_elasticsearch_instances</code>	Returns information about reserved Elasticsearch instances for this ac
<code>describe_vpc_endpoints</code>	Describes one or more Amazon OpenSearch Service-managed VPC e
<code>dissociate_package</code>	Dissociates a package from the Amazon ES domain
<code>get_compatible_elasticsearch_versions</code>	Returns a list of upgrade compatible Elastisearch versions
<code>get_package_version_history</code>	Returns a list of versions of the package, along with their creation tim
<code>get_upgrade_history</code>	Retrieves the complete history of the last 10 upgrades that were perfor
<code>get_upgrade_status</code>	Retrieves the latest status of the last upgrade or upgrade eligibility ch
<code>list_domain_names</code>	Returns the name of all Elasticsearch domains owned by the current u
<code>list_domains_for_package</code>	Lists all Amazon ES domains associated with the package
<code>list_elasticsearch_instance_types</code>	List all Elasticsearch instance types that are supported for given Elast
<code>list_elasticsearch_versions</code>	List all supported Elasticsearch versions
<code>list_packages_for_domain</code>	Lists all packages associated with the Amazon ES domain
<code>list_tags</code>	Returns all tags for the given Elasticsearch domain
<code>list_vpc_endpoint_access</code>	Retrieves information about each principal that is allowed to access a
<code>list_vpc_endpoints</code>	Retrieves all Amazon OpenSearch Service-managed VPC endpoints i
<code>list_vpc_endpoints_for_domain</code>	Retrieves all Amazon OpenSearch Service-managed VPC endpoints a
<code>purchase_reserved_elasticsearch_instance_offering</code>	Allows you to purchase reserved Elasticsearch instances
<code>reject_inbound_cross_cluster_search_connection</code>	Allows the destination domain owner to reject an inbound cross-clust
<code>remove_tags</code>	Removes the specified set of tags from the specified Elasticsearch do
<code>revoke_vpc_endpoint_access</code>	Revokes access to an Amazon OpenSearch Service domain that was p
<code>start_elasticsearch_service_software_update</code>	Schedules a service software update for an Amazon ES domain
<code>update_elasticsearch_domain_config</code>	Modifies the cluster configuration of the specified Elasticsearch doma
<code>update_package</code>	Updates a package for use with Amazon ES domains
<code>update_vpc_endpoint</code>	Modifies an Amazon OpenSearch Service-managed interface VPC er
<code>upgrade_elasticsearch_domain</code>	Allows you to either upgrade your domain or perform an Upgrade eli

Examples

```
## Not run:
```

```

svc <- elasticsearchservice()
svc$accept_inbound_cross_cluster_search_connection(
  Foo = 123
)

## End(Not run)

```

emr

Amazon EMR

Description

Amazon EMR is a web service that makes it easier to process large amounts of data efficiently. Amazon EMR uses Hadoop processing combined with several Amazon Web Services services to do tasks such as web indexing, data mining, log file analysis, machine learning, scientific simulation, and data warehouse management.

Usage

```
emr(config = list(), credentials = list(), endpoint = NULL, region = NULL)
```

Arguments

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

- **credentials:**

- **creds:**

- * **access_key_id:** AWS access key ID
- * **secret_access_key:** AWS secret access key
- * **session_token:** AWS temporary session token

- **profile:** The name of a profile to use. If not given, then the default profile is used.

- **anonymous:** Set anonymous credentials.

- **endpoint:** The complete URL to use for the constructed client.

- **region:** The AWS Region used in instantiating the client.

- **close_connection:** Immediately close all HTTP connections.

- **timeout:** The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds.

- **s3_force_path_style:** Set this to `true` to force the request to use path-style addressing, i.e. `http://s3.amazonaws.com/BUCKET/KEY`.

- **sts_regional_endpoint:** Set sts regional endpoint resolver to regional or legacy <https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html>

`credentials` Optional credentials shorthand for the `config` parameter

- **creds:**

- **access_key_id**: AWS access key ID
 - **secret_access_key**: AWS secret access key
 - **session_token**: AWS temporary session token
 - **profile**: The name of a profile to use. If not given, then the default profile is used.
 - **anonymous**: Set anonymous credentials.
- endpoint Optional shorthand for complete URL to use for the constructed client.
- region Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```
svc <- emr(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
  ),
  endpoint = "string",
  region = "string"
)
```

Operations

<code>add_instance_fleet</code>	Adds an instance fleet to a running cluster
<code>add_instance_groups</code>	Adds one or more instance groups to a running cluster
<code>add_job_flow_steps</code>	AddJobFlowSteps adds new steps to a running cluster
<code>add_tags</code>	Adds tags to an Amazon EMR resource, such as a cluster or an Amazon EMR Studio
<code>cancel_steps</code>	Cancels a pending step or steps in a running cluster
<code>create_security_configuration</code>	Creates a security configuration, which is stored in the service and can be specified on a cluster
<code>create_studio</code>	Creates a new Amazon EMR Studio
<code>create_studio_session_mapping</code>	Maps a user or group to the Amazon EMR Studio specified by StudioId, and applies the mapping to the specified Amazon EMR Studio
<code>delete_security_configuration</code>	Deletes a security configuration
<code>delete_studio</code>	Removes an Amazon EMR Studio from the Studio metadata store
<code>delete_studio_session_mapping</code>	Removes a user or group from an Amazon EMR Studio
<code>describe_cluster</code>	Provides cluster-level details including status, hardware and software configuration
<code>describe_job_flows</code>	This API is no longer supported and will eventually be removed
<code>describe_notebook_execution</code>	Provides details of a notebook execution
<code>describe_release_label</code>	Provides Amazon EMR release label details, such as the releases available the Region
<code>describe_security_configuration</code>	Provides the details of a security configuration by returning the configuration JSON
<code>describe_step</code>	Provides more detail about the cluster step
<code>describe_studio</code>	Returns details for the specified Amazon EMR Studio including ID, Name, VPC, and Subnet
<code>get_auto_termination_policy</code>	Returns the auto-termination policy for an Amazon EMR cluster
<code>get_block_public_access_configuration</code>	Returns the Amazon EMR block public access configuration for your Amazon Web Services account
<code>get_cluster_session_credentials</code>	Provides temporary, HTTP basic credentials that are associated with a given runtime
<code>get_managed_scaling_policy</code>	Fetches the attached managed scaling policy for an Amazon EMR cluster
<code>get_studio_session_mapping</code>	Fetches mapping details for the specified Amazon EMR Studio and identity (user or group)
<code>list_bootstrap_actions</code>	Provides information about the bootstrap actions associated with a cluster
<code>list_clusters</code>	Provides the status of all clusters visible to this Amazon Web Services account
<code>list_instance_fleets</code>	Lists all available details about the instance fleets in a cluster
<code>list_instance_groups</code>	Provides all available details about the instance groups in a cluster
<code>list_instances</code>	Provides information for all active Amazon EC2 instances and Amazon EC2 instance profiles
<code>list_notebook_executions</code>	Provides summaries of all notebook executions
<code>list_release_labels</code>	Retrieves release labels of Amazon EMR services in the Region where the API is called
<code>list_security_configurations</code>	Lists all the security configurations visible to this account, providing their creation time
<code>list_steps</code>	Provides a list of steps for the cluster in reverse order unless you specify stepIds with the request
<code>list_studios</code>	Returns a list of all Amazon EMR Studios associated with the Amazon Web Services account
<code>list_studio_session_mappings</code>	Returns a list of all user or group session mappings for the Amazon EMR Studio specified in the request
<code>list_supported_instance_types</code>	A list of the instance types that Amazon EMR supports
<code>modify_cluster</code>	Modifies the number of steps that can be executed concurrently for the cluster specified in the request
<code>modify_instance_fleet</code>	Modifies the target On-Demand and target Spot capacities for the instance fleet with the specified name
<code>modify_instance_groups</code>	ModifyInstanceGroups modifies the number of nodes and configuration settings of the instance groups
<code>put_auto_scaling_policy</code>	Creates or updates an automatic scaling policy for a core instance group or task instance group
<code>put_auto_termination_policy</code>	Auto-termination is supported in Amazon EMR releases 5 and later
<code>put_block_public_access_configuration</code>	Creates or updates an Amazon EMR block public access configuration for your Amazon Web Services account
<code>put_managed_scaling_policy</code>	Creates or updates a managed scaling policy for an Amazon EMR cluster
<code>remove_auto_scaling_policy</code>	Removes an automatic scaling policy from a specified instance group within an Amazon EMR cluster
<code>remove_auto_termination_policy</code>	Removes an auto-termination policy from an Amazon EMR cluster
<code>remove_managed_scaling_policy</code>	Removes a managed scaling policy from a specified Amazon EMR cluster
<code>remove_tags</code>	Removes tags from an Amazon EMR resource, such as a cluster or Amazon EMR Studio

run_job_flow	RunJobFlow creates and starts running a new cluster (job flow)
set_keep_job_flow_alive_when_no_steps	You can use the SetKeepJobFlowAliveWhenNoSteps to configure a cluster (job flow)
set_termination_protection	SetTerminationProtection locks a cluster (job flow) so the Amazon EC2 instances
set_unhealthy_node_replacement	Specify whether to enable unhealthy node replacement, which lets Amazon EMR
set_visible_to_all_users	The SetVisibleToAllUsers parameter is no longer supported
start_notebook_execution	Starts a notebook execution
stop_notebook_execution	Stops a notebook execution
terminate_job_flows	TerminateJobFlows shuts a list of clusters (job flows) down
update_studio	Updates an Amazon EMR Studio configuration, including attributes such as name
update_studio_session_mapping	Updates the session policy attached to the user or group for the specified Amazon

Examples

```
## Not run:
svc <- emr()
svc$add_instance_fleet(
  Foo = 123
)

## End(Not run)
```

entityresolution	<i>AWS EntityResolution</i>
------------------	-----------------------------

Description

Welcome to the *Entity Resolution API Reference*.

Entity Resolution is an Amazon Web Services service that provides pre-configured entity resolution capabilities that enable developers and analysts at advertising and marketing companies to build an accurate and complete view of their consumers.

With Entity Resolution, you can match source records containing consumer identifiers, such as name, email address, and phone number. This is true even when these records have incomplete or conflicting identifiers. For example, Entity Resolution can effectively match a source record from a customer relationship management (CRM) system with a source record from a marketing system containing campaign information.

To learn more about Entity Resolution concepts, procedures, and best practices, see the [Entity Resolution User Guide](#).

Usage

```
entityresolution(
  config = list(),
  credentials = list(),
```

```

    endpoint = NULL,
    region = NULL
)

```

Arguments

config	Optional configuration of credentials, endpoint, and/or region. <ul style="list-style-type: none"> • credentials: <ul style="list-style-type: none"> – creds: <ul style="list-style-type: none"> * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html
credentials	Optional credentials shorthand for the config parameter <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```

svc <- entityresolution(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
  ),
  endpoint = "string",
  region = "string"
)

```

Operations

add_policy_statement	Adds a policy statement object
batch_delete_unique_id	Deletes multiple unique IDs in a matching workflow
create_id_mapping_workflow	Creates an IdMappingWorkflow object which stores the configuration of the data processing job
create_id_namespace	Creates an ID namespace object which will help customers provide metadata explaining their data
create_matching_workflow	Creates a MatchingWorkflow object which stores the configuration of the data processing job
create_schema_mapping	Creates a schema mapping, which defines the schema of the input customer records table
delete_id_mapping_workflow	Deletes the IdMappingWorkflow with a given name
delete_id_namespace	Deletes the IdNamespace with a given name
delete_matching_workflow	Deletes the MatchingWorkflow with a given name
delete_policy_statement	Deletes the policy statement
delete_schema_mapping	Deletes the SchemaMapping with a given name
get_id_mapping_job	Gets the status, metrics, and errors (if there are any) that are associated with a job
get_id_mapping_workflow	Returns the IdMappingWorkflow with a given name, if it exists

<code>get_id_namespace</code>	Returns the IdNamespace with a given name, if it exists
<code>get_match_id</code>	Returns the corresponding Match ID of a customer record if the record has been processed
<code>get_matching_job</code>	Gets the status, metrics, and errors (if there are any) that are associated with a job
<code>get_matching_workflow</code>	Returns the MatchingWorkflow with a given name, if it exists
<code>get_policy</code>	Returns the resource-based policy
<code>get_provider_service</code>	Returns the ProviderService of a given name
<code>get_schema_mapping</code>	Returns the SchemaMapping of a given name
<code>list_id_mapping_jobs</code>	Lists all ID mapping jobs for a given workflow
<code>list_id_mapping_workflows</code>	Returns a list of all the IdMappingWorkflows that have been created for an Amazon Web Ser
<code>list_id_namespaces</code>	Returns a list of all ID namespaces
<code>list_matching_jobs</code>	Lists all jobs for a given workflow
<code>list_matching_workflows</code>	Returns a list of all the MatchingWorkflows that have been created for an Amazon Web Serv
<code>list_provider_services</code>	Returns a list of all the ProviderServices that are available in this Amazon Web Services Reg
<code>list_schema_mappings</code>	Returns a list of all the SchemaMappings that have been created for an Amazon Web Service
<code>list_tags_for_resource</code>	Displays the tags associated with an Entity Resolution resource
<code>put_policy</code>	Updates the resource-based policy
<code>start_id_mapping_job</code>	Starts the IdMappingJob of a workflow
<code>start_matching_job</code>	Starts the MatchingJob of a workflow
<code>tag_resource</code>	Assigns one or more tags (key-value pairs) to the specified Entity Resolution resource
<code>untag_resource</code>	Removes one or more tags from the specified Entity Resolution resource
<code>update_id_mapping_workflow</code>	Updates an existing IdMappingWorkflow
<code>update_id_namespace</code>	Updates an existing ID namespace
<code>update_matching_workflow</code>	Updates an existing MatchingWorkflow
<code>update_schema_mapping</code>	Updates a schema mapping

Examples

```
## Not run:
svc <- entityresolution()
svc$add_policy_statement(
  Foo = 123
)

## End(Not run)
```

firehose

Amazon Kinesis Firehose

Description

Amazon Data Firehose

Amazon Data Firehose was previously known as Amazon Kinesis Data Firehose.

Amazon Data Firehose is a fully managed service that delivers real-time streaming data to destinations such as Amazon Simple Storage Service (Amazon S3), Amazon OpenSearch Service, Amazon Redshift, Splunk, and various other supported destinations.

Usage

```
firehose(config = list(), credentials = list(), endpoint = NULL, region = NULL)
```

Arguments

config	<p>Optional configuration of credentials, endpoint, and/or region.</p> <ul style="list-style-type: none"> • credentials: <ul style="list-style-type: none"> – creds: <ul style="list-style-type: none"> * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html
credentials	<p>Optional credentials shorthand for the config parameter</p> <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```

svc <- firehose(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
  ),
  endpoint = "string",
  region = "string"
)

```

Operations

create_delivery_stream	Creates a Firehose stream
delete_delivery_stream	Deletes a Firehose stream and its data
describe_delivery_stream	Describes the specified Firehose stream and its status
list_delivery_streams	Lists your Firehose streams in alphabetical order of their names
list_tags_for_delivery_stream	Lists the tags for the specified Firehose stream
put_record	Writes a single data record into an Firehose stream
put_record_batch	Writes multiple data records into a Firehose stream in a single call, which can achieve high throughput
start_delivery_stream_encryption	Enables server-side encryption (SSE) for the Firehose stream
stop_delivery_stream_encryption	Disables server-side encryption (SSE) for the Firehose stream
tag_delivery_stream	Adds or updates tags for the specified Firehose stream
untag_delivery_stream	Removes tags from the specified Firehose stream
update_destination	Updates the specified destination of the specified Firehose stream

Examples

```
## Not run:
svc <- firehose()
svc$create_delivery_stream(
  Foo = 123
)

## End(Not run)
```

glue	<i>AWS Glue</i>
------	-----------------

Description

Glue
 Defines the public endpoint for the Glue service.

Usage

```
glue(config = list(), credentials = list(), endpoint = NULL, region = NULL)
```

Arguments

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

- **credentials:**

- **creds:**

- * **access_key_id:** AWS access key ID
- * **secret_access_key:** AWS secret access key
- * **session_token:** AWS temporary session token

- **profile:** The name of a profile to use. If not given, then the default profile is used.

- **anonymous:** Set anonymous credentials.

- **endpoint:** The complete URL to use for the constructed client.

- **region:** The AWS Region used in instantiating the client.

- **close_connection:** Immediately close all HTTP connections.

- **timeout:** The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds.

- **s3_force_path_style:** Set this to true to force the request to use path-style addressing, i.e. `http://s3.amazonaws.com/BUCKET/KEY`.

- **sts_regional_endpoint:** Set sts regional endpoint resolver to regional or legacy <https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html>

`credentials` Optional credentials shorthand for the config parameter

- **creds:**
 - **access_key_id:** AWS access key ID
 - **secret_access_key:** AWS secret access key
 - **session_token:** AWS temporary session token
 - **profile:** The name of a profile to use. If not given, then the default profile is used.
 - **anonymous:** Set anonymous credentials.
- endpoint Optional shorthand for complete URL to use for the constructed client.
- region Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```
svc <- glue(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
  ),
  endpoint = "string",
  region = "string"
)
```

Operations

<code>batch_create_partition</code>	Creates one or more partitions in a batch operation
<code>batch_delete_connection</code>	Deletes a list of connection definitions from the Data Catalog
<code>batch_delete_partition</code>	Deletes one or more partitions in a batch operation
<code>batch_delete_table</code>	Deletes multiple tables at once
<code>batch_delete_table_version</code>	Deletes a specified batch of versions of a table
<code>batch_get_blueprints</code>	Retrieves information about a list of blueprints
<code>batch_get_crawlers</code>	Returns a list of resource metadata for a given list of crawler names
<code>batch_get_custom_entity_types</code>	Retrieves the details for the custom patterns specified by a list of names
<code>batch_get_data_quality_result</code>	Retrieves a list of data quality results for the specified result IDs
<code>batch_get_dev_endpoints</code>	Returns a list of resource metadata for a given list of development endpoints
<code>batch_get_jobs</code>	Returns a list of resource metadata for a given list of job names
<code>batch_get_partition</code>	Retrieves partitions in a batch request
<code>batch_get_table_optimizer</code>	Returns the configuration for the specified table optimizers
<code>batch_get_triggers</code>	Returns a list of resource metadata for a given list of trigger names
<code>batch_get_workflows</code>	Returns a list of resource metadata for a given list of workflow names
<code>batch_put_data_quality_statistic_annotation</code>	Annotate datapoints over time for a specific data quality statistic
<code>batch_stop_job_run</code>	Stops one or more job runs for a specified job definition
<code>batch_update_partition</code>	Updates one or more partitions in a batch operation
<code>cancel_data_quality_rule_recommendation_run</code>	Cancels the specified recommendation run that was being used to generate recommendations
<code>cancel_data_quality_ruleset_evaluation_run</code>	Cancels a run where a ruleset is being evaluated against a data source
<code>cancel_ml_task_run</code>	Cancels (stops) a task run
<code>cancel_statement</code>	Cancels the statement
<code>check_schema_version_validity</code>	Validates the supplied schema
<code>create_blueprint</code>	Registers a blueprint with Glue
<code>create_catalog</code>	Creates a new catalog in the Glue Data Catalog
<code>create_classifier</code>	Creates a classifier in the user's account
<code>create_column_statistics_task_settings</code>	Creates settings for a column statistics task
<code>create_connection</code>	Creates a connection definition in the Data Catalog
<code>create_crawler</code>	Creates a new crawler with specified targets, role, configuration, and options
<code>create_custom_entity_type</code>	Creates a custom pattern that is used to detect sensitive data across the column
<code>create_database</code>	Creates a new database in a Data Catalog
<code>create_data_quality_ruleset</code>	Creates a data quality ruleset with DQDL rules applied to a specified Glue table
<code>create_dev_endpoint</code>	Creates a new development endpoint
<code>create_integration</code>	Creates a Zero-ETL integration in the caller's account between two resources
<code>create_integration_resource_property</code>	This API can be used for setting up the ResourceProperty of the Glue connection
<code>create_integration_table_properties</code>	This API is used to provide optional override properties for the the tables through the integration
<code>create_job</code>	Creates a new job definition
<code>create_ml_transform</code>	Creates an Glue machine learning transform
<code>create_partition</code>	Creates a new partition
<code>create_partition_index</code>	Creates a specified partition index in an existing table
<code>create_registry</code>	Creates a new registry which may be used to hold a collection of schemas
<code>create_schema</code>	Creates a new schema set and registers the schema definition
<code>create_script</code>	Transforms a directed acyclic graph (DAG) into code
<code>create_security_configuration</code>	Creates a new security configuration
<code>create_session</code>	Creates a new session
<code>create_table</code>	Creates a new table definition in the Data Catalog

<code>create_table_optimizer</code>	Creates a new table optimizer for a specific function
<code>create_trigger</code>	Creates a new trigger
<code>create_usage_profile</code>	Creates an Glue usage profile
<code>create_user_defined_function</code>	Creates a new function definition in the Data Catalog
<code>create_workflow</code>	Creates a new workflow
<code>delete_blueprint</code>	Deletes an existing blueprint
<code>delete_catalog</code>	Removes the specified catalog from the Glue Data Catalog
<code>delete_classifier</code>	Removes a classifier from the Data Catalog
<code>delete_column_statistics_for_partition</code>	Delete the partition column statistics of a column
<code>delete_column_statistics_for_table</code>	Retrieves table statistics of columns
<code>delete_column_statistics_task_settings</code>	Deletes settings for a column statistics task
<code>delete_connection</code>	Deletes a connection from the Data Catalog
<code>delete_crawler</code>	Removes a specified crawler from the Glue Data Catalog, unless the crawler is in use
<code>delete_custom_entity_type</code>	Deletes a custom pattern by specifying its name
<code>delete_database</code>	Removes a specified database from a Data Catalog
<code>delete_data_quality_ruleset</code>	Deletes a data quality ruleset
<code>delete_dev_endpoint</code>	Deletes a specified development endpoint
<code>delete_integration</code>	Deletes the specified Zero-ETL integration
<code>delete_integration_table_properties</code>	Deletes the table properties that have been created for the tables that need to be migrated
<code>delete_job</code>	Deletes a specified job definition
<code>delete_ml_transform</code>	Deletes an Glue machine learning transform
<code>delete_partition</code>	Deletes a specified partition
<code>delete_partition_index</code>	Deletes a specified partition index from an existing table
<code>delete_registry</code>	Delete the entire registry including schema and all of its versions
<code>delete_resource_policy</code>	Deletes a specified policy
<code>delete_schema</code>	Deletes the entire schema set, including the schema set and all of its versions
<code>delete_schema_versions</code>	Remove versions from the specified schema
<code>delete_security_configuration</code>	Deletes a specified security configuration
<code>delete_session</code>	Deletes the session
<code>delete_table</code>	Removes a table definition from the Data Catalog
<code>delete_table_optimizer</code>	Deletes an optimizer and all associated metadata for a table
<code>delete_table_version</code>	Deletes a specified version of a table
<code>delete_trigger</code>	Deletes a specified trigger
<code>delete_usage_profile</code>	Deletes the Glue specified usage profile
<code>delete_user_defined_function</code>	Deletes an existing function definition from the Data Catalog
<code>delete_workflow</code>	Deletes a workflow
<code>describe_connection_type</code>	The DescribeConnectionType API provides full details of the supported optimization engines
<code>describe_entity</code>	Provides details regarding the entity used with the connection type, with a description of the entity
<code>describe_inbound_integrations</code>	Returns a list of inbound integrations for the specified integration
<code>describe_integrations</code>	The API is used to retrieve a list of integrations
<code>get_blueprint</code>	Retrieves the details of a blueprint
<code>get_blueprint_run</code>	Retrieves the details of a blueprint run
<code>get_blueprint_runs</code>	Retrieves the details of blueprint runs for a specified blueprint
<code>get_catalog</code>	The name of the Catalog to retrieve
<code>get_catalog_import_status</code>	Retrieves the status of a migration operation
<code>get_catalogs</code>	Retrieves all catalogs defined in a catalog in the Glue Data Catalog
<code>get_classifier</code>	Retrieve a classifier by name
<code>get_classifiers</code>	Lists all classifier objects in the Data Catalog

get_column_statistics_for_partition	Retrieves partition statistics of columns
get_column_statistics_for_table	Retrieves table statistics of columns
get_column_statistics_task_run	Get the associated metadata/information for a task run, given a task run ID
get_column_statistics_task_runs	Retrieves information about all runs associated with the specified table
get_column_statistics_task_settings	Gets settings for a column statistics task
get_connection	Retrieves a connection definition from the Data Catalog
get_connections	Retrieves a list of connection definitions from the Data Catalog
get_crawler	Retrieves metadata for a specified crawler
get_crawler_metrics	Retrieves metrics about specified crawlers
get_crawlers	Retrieves metadata for all crawlers defined in the customer account
get_custom_entity_type	Retrieves the details of a custom pattern by specifying its name
get_database	Retrieves the definition of a specified database
get_databases	Retrieves all databases defined in a given Data Catalog
get_data_catalog_encryption_settings	Retrieves the security configuration for a specified catalog
get_dataflow_graph	Transforms a Python script into a directed acyclic graph (DAG)
get_data_quality_model	Retrieve the training status of the model along with more information (Com
get_data_quality_model_result	Retrieve a statistic's predictions for a given Profile ID
get_data_quality_result	Retrieves the result of a data quality rule evaluation
get_data_quality_rule_recommendation_run	Gets the specified recommendation run that was used to generate rules
get_data_quality_ruleset	Returns an existing ruleset by identifier or name
get_data_quality_ruleset_evaluation_run	Retrieves a specific run where a ruleset is evaluated against a data source
get_dev_endpoint	Retrieves information about a specified development endpoint
get_dev_endpoints	Retrieves all the development endpoints in this Amazon Web Services acco
get_entity_records	This API is used to query preview data from a given connection type or fro
get_integration_resource_property	This API is used for fetching the ResourceProperty of the Glue connection
get_integration_table_properties	This API is used to retrieve optional override properties for the tables that n
get_job	Retrieves an existing job definition
get_job_bookmark	Returns information on a job bookmark entry
get_job_run	Retrieves the metadata for a given job run
get_job_runs	Retrieves metadata for all runs of a given job definition
get_jobs	Retrieves all current job definitions
get_mapping	Creates mappings
get_ml_task_run	Gets details for a specific task run on a machine learning transform
get_ml_task_runs	Gets a list of runs for a machine learning transform
get_ml_transform	Gets an Glue machine learning transform artifact and all its corresponding r
get_ml_transforms	Gets a sortable, filterable list of existing Glue machine learning transforms
get_partition	Retrieves information about a specified partition
get_partition_indexes	Retrieves the partition indexes associated with a table
get_partitions	Retrieves information about the partitions in a table
get_plan	Gets code to perform a specified mapping
get_registry	Describes the specified registry in detail
get_resource_policies	Retrieves the resource policies set on individual resources by Resource Acco
get_resource_policy	Retrieves a specified resource policy
get_schema	Describes the specified schema in detail
get_schema_by_definition	Retrieves a schema by the SchemaDefinition
get_schema_version	Get the specified schema by its unique ID assigned when a version of the sc
get_schema_versions_diff	Fetches the schema version difference in the specified difference type betwe
get_security_configuration	Retrieves a specified security configuration

<code>get_security_configurations</code>	Retrieves a list of all security configurations
<code>get_session</code>	Retrieves the session
<code>get_statement</code>	Retrieves the statement
<code>get_table</code>	Retrieves the Table definition in a Data Catalog for a specified table
<code>get_table_optimizer</code>	Returns the configuration of all optimizers associated with a specified table
<code>get_tables</code>	Retrieves the definitions of some or all of the tables in a given Database
<code>get_table_version</code>	Retrieves a specified version of a table
<code>get_table_versions</code>	Retrieves a list of strings that identify available versions of a specified table
<code>get_tags</code>	Retrieves a list of tags associated with a resource
<code>get_trigger</code>	Retrieves the definition of a trigger
<code>get_triggers</code>	Gets all the triggers associated with a job
<code>get_unfiltered_partition_metadata</code>	Retrieves partition metadata from the Data Catalog that contains unfiltered metadata
<code>get_unfiltered_partitions_metadata</code>	Retrieves partition metadata from the Data Catalog that contains unfiltered metadata
<code>get_unfiltered_table_metadata</code>	Allows a third-party analytical engine to retrieve unfiltered table metadata from the Data Catalog
<code>get_usage_profile</code>	Retrieves information about the specified Glue usage profile
<code>get_user_defined_function</code>	Retrieves a specified function definition from the Data Catalog
<code>get_user_defined_functions</code>	Retrieves multiple function definitions from the Data Catalog
<code>get_workflow</code>	Retrieves resource metadata for a workflow
<code>get_workflow_run</code>	Retrieves the metadata for a given workflow run
<code>get_workflow_run_properties</code>	Retrieves the workflow run properties which were set during the run
<code>get_workflow_runs</code>	Retrieves metadata for all runs of a given workflow
<code>import_catalog_to_glue</code>	Imports an existing Amazon Athena Data Catalog to Glue
<code>list_blueprints</code>	Lists all the blueprint names in an account
<code>list_column_statistics_task_runs</code>	List all task runs for a particular account
<code>list_connection_types</code>	The ListConnectionTypes API provides a discovery mechanism to learn available connection types
<code>list_crawlers</code>	Retrieves the names of all crawler resources in this Amazon Web Services account
<code>list_crawls</code>	Returns all the crawls of a specified crawler
<code>list_custom_entity_types</code>	Lists all the custom patterns that have been created
<code>list_data_quality_results</code>	Returns all data quality execution results for your account
<code>list_data_quality_rule_recommendation_runs</code>	Lists the recommendation runs meeting the filter criteria
<code>list_data_quality_ruleset_evaluation_runs</code>	Lists all the runs meeting the filter criteria, where a ruleset is evaluated against a list of tables
<code>list_data_quality_rulesets</code>	Returns a paginated list of rulesets for the specified list of Glue tables
<code>list_data_quality_statistic_annotations</code>	Retrieve annotations for a data quality statistic
<code>list_data_quality_statistics</code>	Retrieves a list of data quality statistics
<code>list_dev_endpoints</code>	Retrieves the names of all DevEndpoint resources in this Amazon Web Services account
<code>list_entities</code>	Returns the available entities supported by the connection type
<code>list_jobs</code>	Retrieves the names of all job resources in this Amazon Web Services account
<code>list_ml_transforms</code>	Retrieves a sortable, filterable list of existing Glue machine learning transformations
<code>list_registries</code>	Returns a list of registries that you have created, with minimal registry information
<code>list_schemas</code>	Returns a list of schemas with minimal details
<code>list_schema_versions</code>	Returns a list of schema versions that you have created, with minimal information
<code>list_sessions</code>	Retrieve a list of sessions
<code>list_statements</code>	Lists statements for the session
<code>list_table_optimizer_runs</code>	Lists the history of previous optimizer runs for a specific table
<code>list_triggers</code>	Retrieves the names of all trigger resources in this Amazon Web Services account
<code>list_usage_profiles</code>	List all the Glue usage profiles
<code>list_workflows</code>	Lists names of workflows created in the account
<code>modify_integration</code>	Modifies a Zero-ETL integration in the caller's account

put_data_catalog_encryption_settings	Sets the security configuration for a specified catalog
put_data_quality_profile_annotation	Annotate all datapoints for a Profile
put_resource_policy	Sets the Data Catalog resource policy for access control
put_schema_version_metadata	Puts the metadata key value pair for a specified schema version ID
put_workflow_run_properties	Puts the specified workflow run properties for the given workflow run
query_schema_version_metadata	Queries for the schema version metadata information
register_schema_version	Adds a new version to the existing schema
remove_schema_version_metadata	Removes a key value pair from the schema version metadata for the specified entry
reset_job_bookmark	Resets a bookmark entry
resume_workflow_run	Restarts selected nodes of a previous partially completed workflow run and
run_statement	Executes the statement
search_tables	Searches a set of tables based on properties in the table metadata as well as
start_blueprint_run	Starts a new run of the specified blueprint
start_column_statistics_task_run	Starts a column statistics task run, for a specified table and columns
start_column_statistics_task_run_schedule	Starts a column statistics task run schedule
start_crawler	Starts a crawl using the specified crawler, regardless of what is scheduled
start_crawler_schedule	Changes the schedule state of the specified crawler to SCHEDULED, unless
start_data_quality_rule_recommendation_run	Starts a recommendation run that is used to generate rules when you don't k
start_data_quality_ruleset_evaluation_run	Once you have a ruleset definition (either recommended or your own), you
start_export_labels_task_run	Begins an asynchronous task to export all labeled data for a particular transi
start_import_labels_task_run	Enables you to provide additional labels (examples of truth) to be used to te
start_job_run	Starts a job run using a job definition
start_ml_evaluation_task_run	Starts a task to estimate the quality of the transform
start_ml_labeling_set_generation_task_run	Starts the active learning workflow for your machine learning transform to i
start_trigger	Starts an existing trigger
start_workflow_run	Starts a new run of the specified workflow
stop_column_statistics_task_run	Stops a task run for the specified table
stop_column_statistics_task_run_schedule	Stops a column statistics task run schedule
stop_crawler	If the specified crawler is running, stops the crawl
stop_crawler_schedule	Sets the schedule state of the specified crawler to NOT_SCHEDULED, but
stop_session	Stops the session
stop_trigger	Stops a specified trigger
stop_workflow_run	Stops the execution of the specified workflow run
tag_resource	Adds tags to a resource
test_connection	Tests a connection to a service to validate the service credentials that you pr
untag_resource	Removes tags from a resource
update_blueprint	Updates a registered blueprint
update_catalog	Updates an existing catalog's properties in the Glue Data Catalog
update_classifier	Modifies an existing classifier (a GrokClassifier, an XMLClassifier, a JsonC
update_column_statistics_for_partition	Creates or updates partition statistics of columns
update_column_statistics_for_table	Creates or updates table statistics of columns
update_column_statistics_task_settings	Updates settings for a column statistics task
update_connection	Updates a connection definition in the Data Catalog
update_crawler	Updates a crawler
update_crawler_schedule	Updates the schedule of a crawler using a cron expression
update_database	Updates an existing database definition in a Data Catalog
update_data_quality_ruleset	Updates the specified data quality ruleset
update_dev_endpoint	Updates a specified development endpoint

[update_integration_resource_property](#)
[update_integration_table_properties](#)
[update_job](#)
[update_job_from_source_control](#)
[update_ml_transform](#)
[update_partition](#)
[update_registry](#)
[update_schema](#)
[update_source_control_from_job](#)
[update_table](#)
[update_table_optimizer](#)
[update_trigger](#)
[update_usage_profile](#)
[update_user_defined_function](#)
[update_workflow](#)

This API can be used for updating the ResourceProperty of the Glue connection.
 This API is used to provide optional override properties for the tables that n
 Updates an existing job definition
 Synchronizes a job from the source control repository
 Updates an existing machine learning transform
 Updates a partition
 Updates an existing registry which is used to hold a collection of schemas
 Updates the description, compatibility setting, or version checkpoint for a s
 Synchronizes a job to the source control repository
 Updates a metadata table in the Data Catalog
 Updates the configuration for an existing table optimizer
 Updates a trigger definition
 Update an Glue usage profile
 Updates an existing function definition in the Data Catalog
 Updates an existing workflow

Examples

```

## Not run:
svc <- glue()
svc$batch_create_partition(
  Foo = 123
)

## End(Not run)
  
```

gluedatabrew

AWS Glue DataBrew

Description

Glue DataBrew is a visual, cloud-scale data-preparation service. DataBrew simplifies data preparation tasks, targeting data issues that are hard to spot and time-consuming to fix. DataBrew empowers users of all technical levels to visualize the data and perform one-click data transformations, with no coding required.

Usage

```

gluedatabrew(
  config = list(),
  credentials = list(),
  endpoint = NULL,
  region = NULL
)
  
```

Arguments

config	Optional configuration of credentials, endpoint, and/or region. <ul style="list-style-type: none"> • credentials: <ul style="list-style-type: none"> – creds: <ul style="list-style-type: none"> * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html
credentials	Optional credentials shorthand for the config parameter <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```
svc <- gluedatabrew(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
```

```

        secret_access_key = "string",
        session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
),
endpoint = "string",
region = "string",
close_connection = "logical",
timeout = "numeric",
s3_force_path_style = "logical",
sts_regional_endpoint = "string"
),
credentials = list(
  creds = list(
    access_key_id = "string",
    secret_access_key = "string",
    session_token = "string"
  ),
  profile = "string",
  anonymous = "logical"
),
endpoint = "string",
region = "string"
)

```

Operations

batch_delete_recipe_version	Deletes one or more versions of a recipe at a time
create_dataset	Creates a new DataBrew dataset
create_profile_job	Creates a new job to analyze a dataset and create its data profile
create_project	Creates a new DataBrew project
create_recipe	Creates a new DataBrew recipe
create_recipe_job	Creates a new job to transform input data, using steps defined in an existing Glue DataBrew recipe
create_ruleset	Creates a new ruleset that can be used in a profile job to validate the data quality of a dataset
create_schedule	Creates a new schedule for one or more DataBrew jobs
delete_dataset	Deletes a dataset from DataBrew
delete_job	Deletes the specified DataBrew job
delete_project	Deletes an existing DataBrew project
delete_recipe_version	Deletes a single version of a DataBrew recipe
delete_ruleset	Deletes a ruleset
delete_schedule	Deletes the specified DataBrew schedule
describe_dataset	Returns the definition of a specific DataBrew dataset
describe_job	Returns the definition of a specific DataBrew job
describe_job_run	Represents one run of a DataBrew job
describe_project	Returns the definition of a specific DataBrew project
describe_recipe	Returns the definition of a specific DataBrew recipe corresponding to a particular version
describe_ruleset	Retrieves detailed information about the ruleset

<code>describe_schedule</code>	Returns the definition of a specific DataBrew schedule
<code>list_datasets</code>	Lists all of the DataBrew datasets
<code>list_job_runs</code>	Lists all of the previous runs of a particular DataBrew job
<code>list_jobs</code>	Lists all of the DataBrew jobs that are defined
<code>list_projects</code>	Lists all of the DataBrew projects that are defined
<code>list_recipes</code>	Lists all of the DataBrew recipes that are defined
<code>list_recipe_versions</code>	Lists the versions of a particular DataBrew recipe, except for LATEST_WORKING
<code>list_rulesets</code>	List all rulesets available in the current account or rulesets associated with a specific resource (
<code>list_schedules</code>	Lists the DataBrew schedules that are defined
<code>list_tags_for_resource</code>	Lists all the tags for a DataBrew resource
<code>publish_recipe</code>	Publishes a new version of a DataBrew recipe
<code>send_project_session_action</code>	Performs a recipe step within an interactive DataBrew session that's currently open
<code>start_job_run</code>	Runs a DataBrew job
<code>start_project_session</code>	Creates an interactive session, enabling you to manipulate data in a DataBrew project
<code>stop_job_run</code>	Stops a particular run of a job
<code>tag_resource</code>	Adds metadata tags to a DataBrew resource, such as a dataset, project, recipe, job, or schedule
<code>untag_resource</code>	Removes metadata tags from a DataBrew resource
<code>update_dataset</code>	Modifies the definition of an existing DataBrew dataset
<code>update_profile_job</code>	Modifies the definition of an existing profile job
<code>update_project</code>	Modifies the definition of an existing DataBrew project
<code>update_recipe</code>	Modifies the definition of the LATEST_WORKING version of a DataBrew recipe
<code>update_recipe_job</code>	Modifies the definition of an existing DataBrew recipe job
<code>update_ruleset</code>	Updates specified ruleset
<code>update_schedule</code>	Modifies the definition of an existing DataBrew schedule

Examples

```
## Not run:
svc <- gluedatabrew()
svc$batch_delete_recipe_version(
  Foo = 123
)

## End(Not run)
```

healthlake

Amazon HealthLake

Description

AWS HealthLake is a HIPAA eligible service that allows customers to store, transform, query, and analyze their FHIR-formatted data in a consistent fashion in the cloud.

Usage

```
healthlake(
  config = list(),
  credentials = list(),
  endpoint = NULL,
  region = NULL
)
```

Arguments

config	Optional configuration of credentials, endpoint, and/or region. <ul style="list-style-type: none"> • credentials: <ul style="list-style-type: none"> – creds: <ul style="list-style-type: none"> * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html
credentials	Optional credentials shorthand for the config parameter <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```

svc <- healthlake(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
  ),
  endpoint = "string",
  region = "string"
)

```

Operations

create_fhir_datastore	Creates a data store that can ingest and export FHIR formatted data
delete_fhir_datastore	Deletes a data store
describe_fhir_datastore	Gets the properties associated with the FHIR data store, including the data store ID, data store ARN, and the status of the data store
describe_fhir_export_job	Displays the properties of a FHIR export job, including the ID, ARN, name, and the status of the job
describe_fhir_import_job	Displays the properties of a FHIR import job, including the ID, ARN, name, and the status of the job
list_fhir_datastores	Lists all FHIR data stores that are in the user's account, regardless of data store status
list_fhir_export_jobs	Lists all FHIR export jobs associated with an account and their statuses
list_fhir_import_jobs	Lists all FHIR import jobs associated with an account and their statuses
list_tags_for_resource	Returns a list of all existing tags associated with a data store
start_fhir_export_job	Begins a FHIR export job
start_fhir_import_job	Begins a FHIR Import job
tag_resource	Adds a user specified key and value tag to a data store
untag_resource	Removes tags from a data store

Examples

```
## Not run:
svc <- healthlake()
svc$create_fhir_datastore(
  Foo = 123
)

## End(Not run)
```

ivs

Amazon Interactive Video Service

Description

Introduction

The Amazon Interactive Video Service (IVS) API is REST compatible, using a standard HTTP API and an Amazon Web Services EventBridge event stream for responses. JSON is used for both requests and responses, including errors.

The API is an Amazon Web Services regional service. For a list of supported regions and Amazon IVS HTTPS service endpoints, see the [Amazon IVS page](#) in the *Amazon Web Services General Reference*.

*All API request parameters and URLs are case sensitive. *

For a summary of notable documentation changes in each release, see [Document History](#).

Allowed Header Values

- `Accept`: application/json
- `Accept-Encoding`: gzip, deflate
- `Content-Type`: application/json

Key Concepts

- **Channel** — Stores configuration data related to your live stream. You first create a channel and then use the channel's stream key to start your live stream.
- **Stream key** — An identifier assigned by Amazon IVS when you create a channel, which is then used to authorize streaming. *Treat the stream key like a secret, since it allows anyone to stream to the channel.*
- **Playback key pair** — Video playback may be restricted using playback-authorization tokens, which use public-key encryption. A playback key pair is the public-private pair of keys used to sign and validate the playback-authorization token.
- **Recording configuration** — Stores configuration related to recording a live stream and where to store the recorded content. Multiple channels can reference the same recording configuration.

- **Playback restriction policy** — Restricts playback by countries and/or origin sites.

For more information about your IVS live stream, also see [Getting Started with IVS Low-Latency Streaming](#).

Tagging

A *tag* is a metadata label that you assign to an Amazon Web Services resource. A tag comprises a *key* and a *value*, both set by you. For example, you might set a tag as `topic:nature` to label a particular video category. See [Best practices and strategies](#) in *Tagging Amazon Web Services Resources and Tag Editor* for details, including restrictions that apply to tags and "Tag naming limits and requirements"; Amazon IVS has no service-specific constraints beyond what is documented there.

Tags can help you identify and organize your Amazon Web Services resources. For example, you can use the same tag for different resources to indicate that they are related. You can also use tags to manage access (see [Access Tags](#)).

The Amazon IVS API has these tag-related operations: [tag_resource](#), [untag_resource](#), and [list_tags_for_resource](#). The following resources support tagging: Channels, Stream Keys, Playback Key Pairs, and Recording Configurations.

At most 50 tags can be applied to a resource.

Authentication versus Authorization

Note the differences between these concepts:

- *Authentication* is about verifying identity. You need to be authenticated to sign Amazon IVS API requests.
- *Authorization* is about granting permissions. Your IAM roles need to have permissions for Amazon IVS API requests. In addition, authorization is needed to view [Amazon IVS private channels](#). (Private channels are channels that are enabled for "playback authorization.")

Authentication

All Amazon IVS API requests must be authenticated with a signature. The Amazon Web Services Command-Line Interface (CLI) and Amazon IVS Player SDKs take care of signing the underlying API calls for you. However, if your application calls the Amazon IVS API directly, it's your responsibility to sign the requests.

You generate a signature using valid Amazon Web Services credentials that have permission to perform the requested action. For example, you must sign `PutMetadata` requests with a signature generated from a user account that has the `ivs:PutMetadata` permission.

For more information:

- Authentication and generating signatures — See [Authenticating Requests \(Amazon Web Services Signature Version 4\)](#) in the *Amazon Web Services General Reference*.
- Managing Amazon IVS permissions — See [Identity and Access Management](#) on the Security page of the *Amazon IVS User Guide*.

Amazon Resource Names (ARNs)

ARNs uniquely identify AWS resources. An ARN is required when you need to specify a resource unambiguously across all of AWS, such as in IAM policies and API calls. For more information, see [Amazon Resource Names](#) in the *AWS General Reference*.

Usage

```
ivs(config = list(), credentials = list(), endpoint = NULL, region = NULL)
```

Arguments

config	<p>Optional configuration of credentials, endpoint, and/or region.</p> <ul style="list-style-type: none"> • credentials: <ul style="list-style-type: none"> – creds: <ul style="list-style-type: none"> * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html
credentials	<p>Optional credentials shorthand for the config parameter</p> <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```

svc <- ivs(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
  ),
  endpoint = "string",
  region = "string"
)

```

Operations

batch_get_channel	Performs GetChannel on multiple ARNs simultaneously
batch_get_stream_key	Performs GetStreamKey on multiple ARNs simultaneously
batch_start_viewer_session_revocation	Performs StartViewerSessionRevocation on multiple channel ARN and viewer ID pairs
create_channel	Creates a new channel and an associated stream key to start streaming
create_playback_restriction_policy	Creates a new playback restriction policy, for constraining playback by countries and regions
create_recording_configuration	Creates a new recording configuration, used to enable recording to Amazon S3
create_stream_key	Creates a stream key, used to initiate a stream, for the specified channel ARN
delete_channel	Deletes the specified channel and its associated stream keys
delete_playback_key_pair	Deletes a specified authorization key pair
delete_playback_restriction_policy	Deletes the specified playback restriction policy
delete_recording_configuration	Deletes the recording configuration for the specified ARN
delete_stream_key	Deletes the stream key for the specified ARN, so it can no longer be used to stream
get_channel	Gets the channel configuration for the specified channel ARN

get_playback_key_pair	Gets a specified playback authorization key pair and returns the arn and fingerprint
get_playback_restriction_policy	Gets the specified playback restriction policy
get_recording_configuration	Gets the recording configuration for the specified ARN
get_stream	Gets information about the active (live) stream on a specified channel
get_stream_key	Gets stream-key information for a specified ARN
get_stream_session	Gets metadata on a specified stream
import_playback_key_pair	Imports the public portion of a new key pair and returns its arn and fingerprint
list_channels	Gets summary information about all channels in your account, in the Amazon Web S
list_playback_key_pairs	Gets summary information about playback key pairs
list_playback_restriction_policies	Gets summary information about playback restriction policies
list_recording_configurations	Gets summary information about all recording configurations in your account, in the
list_stream_keys	Gets summary information about stream keys for the specified channel
list_streams	Gets summary information about live streams in your account, in the Amazon Web S
list_stream_sessions	Gets a summary of current and previous streams for a specified channel in your acco
list_tags_for_resource	Gets information about Amazon Web Services tags for the specified ARN
put_metadata	Inserts metadata into the active stream of the specified channel
start_viewer_session_revocation	Starts the process of revoking the viewer session associated with a specified channel
stop_stream	Disconnects the incoming RTMPS stream for the specified channel
tag_resource	Adds or updates tags for the Amazon Web Services resource with the specified ARN
untag_resource	Removes tags from the resource with the specified ARN
update_channel	Updates a channel's configuration
update_playback_restriction_policy	Updates a specified playback restriction policy

Examples

```
## Not run:
svc <- ivs()
svc$batch_get_channel(
  Foo = 123
)

## End(Not run)
```

 ivsrealtime

Amazon Interactive Video Service RealTime

Description

The Amazon Interactive Video Service (IVS) real-time API is REST compatible, using a standard HTTP API and an AWS EventBridge event stream for responses. JSON is used for both requests and responses, including errors.

Key Concepts

- **Stage** — A virtual space where participants can exchange video in real time.

- **Participant token** — A token that authenticates a participant when they join a stage.
- **Participant object** — Represents participants (people) in the stage and contains information about them. When a token is created, it includes a participant ID; when a participant uses that token to join a stage, the participant is associated with that participant ID. There is a 1:1 mapping between participant tokens and participants.

For server-side composition:

- **Composition process** — Composites participants of a stage into a single video and forwards it to a set of outputs (e.g., IVS channels). Composition operations support this process.
- **Composition** — Controls the look of the outputs, including how participants are positioned in the video.

For more information about your IVS live stream, also see [Getting Started with Amazon IVS Real-Time Streaming](#).

Tagging

A *tag* is a metadata label that you assign to an AWS resource. A tag comprises a *key* and a *value*, both set by you. For example, you might set a tag as `topic:nature` to label a particular video category. See [Best practices and strategies in Tagging AWS Resources and Tag Editor](#) for details, including restrictions that apply to tags and "Tag naming limits and requirements"; Amazon IVS stages has no service-specific constraints beyond what is documented there.

Tags can help you identify and organize your AWS resources. For example, you can use the same tag for different resources to indicate that they are related. You can also use tags to manage access (see [Access Tags](#)).

The Amazon IVS real-time API has these tag-related operations: [tag_resource](#), [untag_resource](#), and [list_tags_for_resource](#). The following resource supports tagging: Stage.

At most 50 tags can be applied to a resource.

Usage

```
ivsrealtime(
  config = list(),
  credentials = list(),
  endpoint = NULL,
  region = NULL
)
```

Arguments

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

- **credentials:**
 - **creds:**
 - * **access_key_id:** AWS access key ID
 - * **secret_access_key:** AWS secret access key
 - * **session_token:** AWS temporary session token
 - **profile:** The name of a profile to use. If not given, then the default profile is used.

	<ul style="list-style-type: none"> – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to <code>true</code> to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html
credentials	Optional credentials shorthand for the config parameter <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```
svc <- ivsrealtime(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
```

```

        sts_regional_endpoint = "string"
    ),
    credentials = list(
        creds = list(
            access_key_id = "string",
            secret_access_key = "string",
            session_token = "string"
        ),
        profile = "string",
        anonymous = "logical"
    ),
    endpoint = "string",
    region = "string"
)

```

Operations

create_encoder_configuration	Creates an EncoderConfiguration object
create_ingest_configuration	Creates a new IngestConfiguration resource, used to specify the ingest protocol for a stage
create_participant_token	Creates an additional token for a specified stage
create_stage	Creates a new stage (and optionally participant tokens)
create_storage_configuration	Creates a new storage configuration, used to enable recording to Amazon S3
delete_encoder_configuration	Deletes an EncoderConfiguration resource
delete_ingest_configuration	Deletes a specified IngestConfiguration, so it can no longer be used to broadcast
delete_public_key	Deletes the specified public key used to sign stage participant tokens
delete_stage	Shuts down and deletes the specified stage (disconnecting all participants)
delete_storage_configuration	Deletes the storage configuration for the specified ARN
disconnect_participant	Disconnects a specified participant from a specified stage
get_composition	Get information about the specified Composition resource
get_encoder_configuration	Gets information about the specified EncoderConfiguration resource
get_ingest_configuration	Gets information about the specified IngestConfiguration
get_participant	Gets information about the specified participant token
get_public_key	Gets information for the specified public key
get_stage	Gets information for the specified stage
get_stage_session	Gets information for the specified stage session
get_storage_configuration	Gets the storage configuration for the specified ARN
import_public_key	Import a public key to be used for signing stage participant tokens
list_compositions	Gets summary information about all Compositions in your account, in the AWS region where the API request is processed
list_encoder_configurations	Gets summary information about all EncoderConfigurations in your account, in the AWS region where the API request is processed
list_ingest_configurations	Lists all IngestConfigurations in your account, in the AWS region where the API request is processed
list_participant_events	Lists events for a specified participant that occurred during a specified stage session
list_participants	Lists all participants in a specified stage session
list_public_keys	Gets summary information about all public keys in your account, in the AWS region where the API request is processed
list_stages	Gets summary information about all stages in your account, in the AWS region where the API request is processed
list_stage_sessions	Gets all sessions for a specified stage
list_storage_configurations	Gets summary information about all storage configurations in your account, in the AWS region where the API request is processed
list_tags_for_resource	Gets information about AWS tags for the specified ARN
start_composition	Starts a Composition from a stage based on the configuration provided in the request

stop_composition	Stops and deletes a Composition resource
tag_resource	Adds or updates tags for the AWS resource with the specified ARN
untag_resource	Removes tags from the resource with the specified ARN
update_ingest_configuration	Updates a specified IngestConfiguration
update_stage	Updates a stage's configuration

Examples

```
## Not run:
svc <- ivsrealtime()
svc$create_encoder_configuration(
  Foo = 123
)

## End(Not run)
```

kafka

Managed Streaming for Kafka

Description

The operations for managing an Amazon MSK cluster.

Usage

```
kafka(config = list(), credentials = list(), endpoint = NULL, region = NULL)
```

Arguments

- config Optional configuration of credentials, endpoint, and/or region.
- **credentials:**
 - **creds:**
 - * **access_key_id:** AWS access key ID
 - * **secret_access_key:** AWS secret access key
 - * **session_token:** AWS temporary session token
 - **profile:** The name of a profile to use. If not given, then the default profile is used.
 - **anonymous:** Set anonymous credentials.
 - **endpoint:** The complete URL to use for the constructed client.
 - **region:** The AWS Region used in instantiating the client.
 - **close_connection:** Immediately close all HTTP connections.
 - **timeout:** The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds.

	<ul style="list-style-type: none"> • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html
credentials	<p>Optional credentials shorthand for the config parameter</p> <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```
svc <- kafka(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    )
  )
)
```

```

    ),
    profile = "string",
    anonymous = "logical"
  ),
  endpoint = "string",
  region = "string"
)

```

Operations

batch_associate_scram_secret	Associates one or more Scram Secrets with an Amazon MSK cluster
batch_disassociate_scram_secret	Disassociates one or more Scram Secrets from an Amazon MSK cluster
create_cluster	Creates a new MSK cluster
create_cluster_v2	Creates a new MSK cluster
create_configuration	Creates a new MSK configuration
create_replicator	Creates the replicator
create_vpc_connection	Creates a new MSK VPC connection
delete_cluster	Deletes the MSK cluster specified by the Amazon Resource Name (ARN) in the request
delete_cluster_policy	Deletes the MSK cluster policy specified by the Amazon Resource Name (ARN) in the request
delete_configuration	Deletes an MSK Configuration
delete_replicator	Deletes a replicator
delete_vpc_connection	Deletes a MSK VPC connection
describe_cluster	Returns a description of the MSK cluster whose Amazon Resource Name (ARN) is specified in the request
describe_cluster_operation	Returns a description of the cluster operation specified by the ARN
describe_cluster_operation_v2	Returns a description of the cluster operation specified by the ARN
describe_cluster_v2	Returns a description of the MSK cluster whose Amazon Resource Name (ARN) is specified in the request
describe_configuration	Returns a description of this MSK configuration
describe_configuration_revision	Returns a description of this revision of the configuration
describe_replicator	Describes a replicator
describe_vpc_connection	Returns a description of this MSK VPC connection
get_bootstrap_brokers	A list of brokers that a client application can use to bootstrap
get_cluster_policy	Get the MSK cluster policy specified by the Amazon Resource Name (ARN) in the request
get_compatible_kafka_versions	Gets the Apache Kafka versions to which you can update the MSK cluster
list_client_vpc_connections	Returns a list of all the VPC connections in this Region
list_cluster_operations	Returns a list of all the operations that have been performed on the specified MSK cluster
list_cluster_operations_v2	Returns a list of all the operations that have been performed on the specified MSK cluster
list_clusters	Returns a list of all the MSK clusters in the current Region
list_clusters_v2	Returns a list of all the MSK clusters in the current Region
list_configuration_revisions	Returns a list of all the MSK configurations in this Region
list_configurations	Returns a list of all the MSK configurations in this Region
list_kafka_versions	Returns a list of Apache Kafka versions
list_nodes	Returns a list of the broker nodes in the cluster
list_replicators	Lists the replicators
list_scram_secrets	Returns a list of the Scram Secrets associated with an Amazon MSK cluster
list_tags_for_resource	Returns a list of the tags associated with the specified resource
list_vpc_connections	Returns a list of all the VPC connections in this Region
put_cluster_policy	Creates or updates the MSK cluster policy specified by the cluster Amazon Resource Name
reboot_broker	Reboots brokers

<code>reject_client_vpc_connection</code>	Returns empty response
<code>tag_resource</code>	Adds tags to the specified MSK resource
<code>untag_resource</code>	Removes the tags associated with the keys that are provided in the query
<code>update_broker_count</code>	Updates the number of broker nodes in the cluster
<code>update_broker_storage</code>	Updates the EBS storage associated with MSK brokers
<code>update_broker_type</code>	Updates EC2 instance type
<code>update_cluster_configuration</code>	Updates the cluster with the configuration that is specified in the request body
<code>update_cluster_kafka_version</code>	Updates the Apache Kafka version for the cluster
<code>update_configuration</code>	Updates an MSK configuration
<code>update_connectivity</code>	Updates the cluster's connectivity configuration
<code>update_monitoring</code>	Updates the monitoring settings for the cluster
<code>update_replication_info</code>	Updates replication info of a replicator
<code>update_security</code>	Updates the security settings for the cluster
<code>update_storage</code>	Updates cluster broker volume size (or) sets cluster storage mode to TIERED

Examples

```
## Not run:
svc <- kafka()
svc$batch_associate_scam_secret(
  Foo = 123
)

## End(Not run)
```

kafkaconnect

Managed Streaming for Kafka Connect

Description

Managed Streaming for Kafka Connect

Usage

```
kafkaconnect(
  config = list(),
  credentials = list(),
  endpoint = NULL,
  region = NULL
)
```

Arguments

config	Optional configuration of credentials, endpoint, and/or region. <ul style="list-style-type: none"> • credentials: <ul style="list-style-type: none"> – creds: <ul style="list-style-type: none"> * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to <code>true</code> to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html
credentials	Optional credentials shorthand for the config parameter <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```
svc <- kafkaconnect(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
```

```

        secret_access_key = "string",
        session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
),
endpoint = "string",
region = "string",
close_connection = "logical",
timeout = "numeric",
s3_force_path_style = "logical",
sts_regional_endpoint = "string"
),
credentials = list(
  creds = list(
    access_key_id = "string",
    secret_access_key = "string",
    session_token = "string"
  ),
  profile = "string",
  anonymous = "logical"
),
endpoint = "string",
region = "string"
)

```

Operations

create_connector	Creates a connector using the specified properties
create_custom_plugin	Creates a custom plugin using the specified properties
create_worker_configuration	Creates a worker configuration using the specified properties
delete_connector	Deletes the specified connector
delete_custom_plugin	Deletes a custom plugin
delete_worker_configuration	Deletes the specified worker configuration
describe_connector	Returns summary information about the connector
describe_connector_operation	Returns information about the specified connector's operations
describe_custom_plugin	A summary description of the custom plugin
describe_worker_configuration	Returns information about a worker configuration
list_connector_operations	Lists information about a connector's operation(s)
list_connectors	Returns a list of all the connectors in this account and Region
list_custom_plugins	Returns a list of all of the custom plugins in this account and Region
list_tags_for_resource	Lists all the tags attached to the specified resource
list_worker_configurations	Returns a list of all of the worker configurations in this account and Region
tag_resource	Attaches tags to the specified resource
untag_resource	Removes tags from the specified resource
update_connector	Updates the specified connector

Examples

```
## Not run:
svc <- kafkaconnect()
svc$create_connector(
  Foo = 123
)

## End(Not run)
```

kendra

AWSKendraFrontendService

Description

Amazon Kendra is a service for indexing large document sets.

Usage

```
kendra(config = list(), credentials = list(), endpoint = NULL, region = NULL)
```

Arguments

config	<p>Optional configuration of credentials, endpoint, and/or region.</p> <ul style="list-style-type: none"> • credentials: <ul style="list-style-type: none"> – creds: <ul style="list-style-type: none"> * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to <code>true</code> to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html
credentials	<p>Optional credentials shorthand for the config parameter</p> <ul style="list-style-type: none"> • creds:

- **access_key_id**: AWS access key ID
 - **secret_access_key**: AWS secret access key
 - **session_token**: AWS temporary session token
 - **profile**: The name of a profile to use. If not given, then the default profile is used.
 - **anonymous**: Set anonymous credentials.
- endpoint Optional shorthand for complete URL to use for the constructed client.
- region Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```
svc <- kendra(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
  ),
  endpoint = "string",
  region = "string"
)
```

Operations

associate_entities_to_experience	Grants users or groups in your IAM Identity Center identity source access to your Amazon Kendra experience
associate_personas_to_entities	Defines the specific permissions of users or groups in your IAM Identity Center identity source that are granted access to your Amazon Kendra experience
batch_delete_document	Removes one or more documents from an index
batch_delete_featured_results_set	Removes one or more sets of featured results
batch_get_document_status	Returns the indexing status for one or more documents submitted with the BatchPutDocument API
batch_put_document	Adds one or more documents to an index
clear_query_suggestions	Clears existing query suggestions from an index
create_access_control_configuration	Creates an access configuration for your documents
create_data_source	Creates a data source connector that you want to use with an Amazon Kendra index
create_experience	Creates an Amazon Kendra experience such as a search application
create_faq	Creates a set of frequently ask questions (FAQs) using a specified FAQ file stored in your Amazon S3 bucket
create_featured_results_set	Creates a set of featured results to display at the top of the search results page
create_index	Creates an Amazon Kendra index
create_query_suggestions_block_list	Creates a block list to exclude certain queries from suggestions
create_thesaurus	Creates a thesaurus for an index
delete_access_control_configuration	Deletes an access control configuration that you created for your documents in an Amazon Kendra index
delete_data_source	Deletes an Amazon Kendra data source connector
delete_experience	Deletes your Amazon Kendra experience such as a search application
delete_faq	Removes a FAQ from an index
delete_index	Deletes an Amazon Kendra index
delete_principal_mapping	Deletes a group so that all users that belong to the group can no longer access documents in your Amazon Kendra index
delete_query_suggestions_block_list	Deletes a block list used for query suggestions for an index
delete_thesaurus	Deletes an Amazon Kendra thesaurus
describe_access_control_configuration	Gets information about an access control configuration that you created for your documents in an Amazon Kendra index
describe_data_source	Gets information about an Amazon Kendra data source connector
describe_experience	Gets information about your Amazon Kendra experience such as a search application
describe_faq	Gets information about a FAQ
describe_featured_results_set	Gets information about a set of featured results
describe_index	Gets information about an Amazon Kendra index
describe_principal_mapping	Describes the processing of PUT and DELETE actions for mapping users to their groups
describe_query_suggestions_block_list	Gets information about a block list used for query suggestions for an index
describe_query_suggestions_config	Gets information on the settings of query suggestions for an index
describe_thesaurus	Gets information about an Amazon Kendra thesaurus
disassociate_entities_from_experience	Prevents users or groups in your IAM Identity Center identity source from accessing your Amazon Kendra experience
disassociate_personas_from_entities	Removes the specific permissions of users or groups in your IAM Identity Center identity source that are granted access to your Amazon Kendra experience
get_query_suggestions	Fetches the queries that are suggested to your users
get_snapshots	Retrieves search metrics data
list_access_control_configurations	Lists one or more access control configurations for an index
list_data_sources	Lists the data source connectors that you have created
list_data_source_sync_jobs	Gets statistics about synchronizing a data source connector
list_entity_personas	Lists specific permissions of users and groups with access to your Amazon Kendra experience
list_experience_entities	Lists users or groups in your IAM Identity Center identity source that are granted access to your Amazon Kendra experience
list_experiences	Lists one or more Amazon Kendra experiences
list_faqs	Gets a list of FAQs associated with an index
list_featured_results_sets	Lists all your sets of featured results for a given index
list_groups_older_than_ordering_id	Provides a list of groups that are mapped to users before a given ordering or timestamp

list_indices	Lists the Amazon Kendra indexes that you created
list_query_suggestions_block_lists	Lists the block lists used for query suggestions for an index
list_tags_for_resource	Gets a list of tags associated with a resource
list_thesauri	Lists the thesauri for an index
put_principal_mapping	Maps users to their groups so that you only need to provide the user ID when you is
query	Searches an index given an input query
retrieve	Retrieves relevant passages or text excerpts given an input query
start_data_source_sync_job	Starts a synchronization job for a data source connector
stop_data_source_sync_job	Stops a synchronization job that is currently running
submit_feedback	Enables you to provide feedback to Amazon Kendra to improve the performance of
tag_resource	Adds the specified tag to the specified index, FAQ, data source, or other resource
untag_resource	Removes a tag from an index, FAQ, data source, or other resource
update_access_control_configuration	Updates an access control configuration for your documents in an index
update_data_source	Updates an Amazon Kendra data source connector
update_experience	Updates your Amazon Kendra experience such as a search application
update_featured_results_set	Updates a set of featured results
update_index	Updates an Amazon Kendra index
update_query_suggestions_block_list	Updates a block list used for query suggestions for an index
update_query_suggestions_config	Updates the settings of query suggestions for an index
update_thesaurus	Updates a thesaurus for an index

Examples

```
## Not run:
svc <- kendra()
svc$associate_entities_to_experience(
  Foo = 123
)

## End(Not run)
```

kendraring

Amazon Kendra Intelligent Ranking

Description

Amazon Kendra Intelligent Ranking uses Amazon Kendra semantic search capabilities to intelligently re-rank a search service's results.

Usage

```
kendraring(
  config = list(),
  credentials = list(),
```

```

    endpoint = NULL,
    region = NULL
)

```

Arguments

config	Optional configuration of credentials, endpoint, and/or region. <ul style="list-style-type: none"> • credentials: <ul style="list-style-type: none"> – creds: <ul style="list-style-type: none"> * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to <code>true</code> to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html
credentials	Optional credentials shorthand for the config parameter <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```

svc <- kendrarranking(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
  ),
  endpoint = "string",
  region = "string"
)

```

Operations

create_rescore_execution_plan	Creates a rescore execution plan
delete_rescore_execution_plan	Deletes a rescore execution plan
describe_rescore_execution_plan	Gets information about a rescore execution plan
list_rescore_execution_plans	Lists your rescore execution plans
list_tags_for_resource	Gets a list of tags associated with a specified resource
rescore	Rescores or re-ranks search results from a search service such as OpenSearch (self managed)
tag_resource	Adds a specified tag to a specified rescore execution plan
untag_resource	Removes a tag from a rescore execution plan
update_rescore_execution_plan	Updates a rescore execution plan

Examples

```
## Not run:
svc <- kendraranking()
svc$create_rescore_execution_plan(
  Foo = 123
)

## End(Not run)
```

kinesis

Amazon Kinesis

Description

Amazon Kinesis Data Streams Service API Reference

Amazon Kinesis Data Streams is a managed service that scales elastically for real-time processing of streaming big data.

Usage

```
kinesis(config = list(), credentials = list(), endpoint = NULL, region = NULL)
```

Arguments

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

- **credentials:**

- **creds:**

- * **access_key_id:** AWS access key ID
- * **secret_access_key:** AWS secret access key
- * **session_token:** AWS temporary session token

- **profile:** The name of a profile to use. If not given, then the default profile is used.

- **anonymous:** Set anonymous credentials.

- **endpoint:** The complete URL to use for the constructed client.

- **region:** The AWS Region used in instantiating the client.

- **close_connection:** Immediately close all HTTP connections.

- **timeout:** The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds.

- **s3_force_path_style:** Set this to `true` to force the request to use path-style addressing, i.e. `http://s3.amazonaws.com/BUCKET/KEY`.

- **sts_regional_endpoint:** Set sts regional endpoint resolver to regional or legacy <https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html>

`credentials` Optional credentials shorthand for the `config` parameter

- **creds:**
 - **access_key_id:** AWS access key ID
 - **secret_access_key:** AWS secret access key
 - **session_token:** AWS temporary session token
 - **profile:** The name of a profile to use. If not given, then the default profile is used.
 - **anonymous:** Set anonymous credentials.
- endpoint Optional shorthand for complete URL to use for the constructed client.
- region Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```
svc <- kinesis(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
  ),
  endpoint = "string",
  region = "string"
)
```

Operations

<code>add_tags_to_stream</code>	Adds or updates tags for the specified Kinesis data stream
<code>create_stream</code>	Creates a Kinesis data stream
<code>decrease_stream_retention_period</code>	Decreases the Kinesis data stream's retention period, which is the length of time data records are available
<code>delete_resource_policy</code>	Delete a policy for the specified data stream or consumer
<code>delete_stream</code>	Deletes a Kinesis data stream and all its shards and data
<code>deregister_stream_consumer</code>	To deregister a consumer, provide its ARN
<code>describe_limits</code>	Describes the shard limits and usage for the account
<code>describe_stream</code>	Describes the specified Kinesis data stream
<code>describe_stream_consumer</code>	To get the description of a registered consumer, provide the ARN of the consumer
<code>describe_stream_summary</code>	Provides a summarized description of the specified Kinesis data stream without the shard-level details
<code>disable_enhanced_monitoring</code>	Disables enhanced monitoring
<code>enable_enhanced_monitoring</code>	Enables enhanced Kinesis data stream monitoring for shard-level metrics
<code>get_records</code>	Gets data records from a Kinesis data stream's shard
<code>get_resource_policy</code>	Returns a policy attached to the specified data stream or consumer
<code>get_shard_iterator</code>	Gets an Amazon Kinesis shard iterator
<code>increase_stream_retention_period</code>	Increases the Kinesis data stream's retention period, which is the length of time data records are available
<code>list_shards</code>	Lists the shards in a stream and provides information about each shard
<code>list_stream_consumers</code>	Lists the consumers registered to receive data from a stream using enhanced fan-out, and provides information about each consumer
<code>list_streams</code>	Lists your Kinesis data streams
<code>list_tags_for_stream</code>	Lists the tags for the specified Kinesis data stream
<code>merge_shards</code>	Merges two adjacent shards in a Kinesis data stream and combines them into a single shard
<code>put_record</code>	Writes a single data record into an Amazon Kinesis data stream
<code>put_records</code>	Writes multiple data records into a Kinesis data stream in a single call (also referred to as batching)
<code>put_resource_policy</code>	Attaches a resource-based policy to a data stream or registered consumer
<code>register_stream_consumer</code>	Registers a consumer with a Kinesis data stream
<code>remove_tags_from_stream</code>	Removes tags from the specified Kinesis data stream
<code>split_shard</code>	Splits a shard into two new shards in the Kinesis data stream, to increase the stream's capacity
<code>start_stream_encryption</code>	Enables or updates server-side encryption using an Amazon Web Services KMS key for a specified stream
<code>stop_stream_encryption</code>	Disables server-side encryption for a specified stream
<code>subscribe_to_shard</code>	This operation establishes an HTTP/2 connection between the consumer you specify in the request and the specified shard
<code>update_shard_count</code>	Updates the shard count of the specified stream to the specified number of shards
<code>update_stream_mode</code>	Updates the capacity mode of the data stream

Examples

```
## Not run:
svc <- kinesis()
svc$add_tags_to_stream(
  Foo = 123
)

## End(Not run)
```

kinesisanalytics *Amazon Kinesis Analytics*

Description

Overview

This documentation is for version 1 of the Amazon Kinesis Data Analytics API, which only supports SQL applications. Version 2 of the API supports SQL and Java applications. For more information about version 2, see [Amazon Kinesis Data Analytics API V2 Documentation](#).

This is the *Amazon Kinesis Analytics v1 API Reference*. The Amazon Kinesis Analytics Developer Guide provides additional information.

Usage

```
kinesisanalytics(
  config = list(),
  credentials = list(),
  endpoint = NULL,
  region = NULL
)
```

Arguments

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

- **credentials:**

- **creds:**

- * **access_key_id:** AWS access key ID
- * **secret_access_key:** AWS secret access key
- * **session_token:** AWS temporary session token

- **profile:** The name of a profile to use. If not given, then the default profile is used.

- **anonymous:** Set anonymous credentials.

- **endpoint:** The complete URL to use for the constructed client.

- **region:** The AWS Region used in instantiating the client.

- **close_connection:** Immediately close all HTTP connections.

- **timeout:** The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds.

- **s3_force_path_style:** Set this to `true` to force the request to use path-style addressing, i.e. `http://s3.amazonaws.com/BUCKET/KEY`.

- **sts_regional_endpoint:** Set sts regional endpoint resolver to regional or legacy <https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html>

`credentials` Optional credentials shorthand for the `config` parameter

- **creds:**

- **access_key_id**: AWS access key ID
 - **secret_access_key**: AWS secret access key
 - **session_token**: AWS temporary session token
 - **profile**: The name of a profile to use. If not given, then the default profile is used.
 - **anonymous**: Set anonymous credentials.
- endpoint Optional shorthand for complete URL to use for the constructed client.
- region Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```
svc <- kinesisanalytics(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
  ),
  endpoint = "string",
  region = "string"
)
```

Operations

add_application_cloud_watch_logging_option	This documentation is for version 1 of the Amazon Kinesis Data Analyt
add_application_input	This documentation is for version 1 of the Amazon Kinesis Data Analyt
add_application_input_processing_configuration	This documentation is for version 1 of the Amazon Kinesis Data Analyt
add_application_output	This documentation is for version 1 of the Amazon Kinesis Data Analyt
add_application_reference_data_source	This documentation is for version 1 of the Amazon Kinesis Data Analyt
create_application	This documentation is for version 1 of the Amazon Kinesis Data Analyt
delete_application	This documentation is for version 1 of the Amazon Kinesis Data Analyt
delete_application_cloud_watch_logging_option	This documentation is for version 1 of the Amazon Kinesis Data Analyt
delete_application_input_processing_configuration	This documentation is for version 1 of the Amazon Kinesis Data Analyt
delete_application_output	This documentation is for version 1 of the Amazon Kinesis Data Analyt
delete_application_reference_data_source	This documentation is for version 1 of the Amazon Kinesis Data Analyt
describe_application	This documentation is for version 1 of the Amazon Kinesis Data Analyt
discover_input_schema	This documentation is for version 1 of the Amazon Kinesis Data Analyt
list_applications	This documentation is for version 1 of the Amazon Kinesis Data Analyt
list_tags_for_resource	Retrieves the list of key-value tags assigned to the application
start_application	This documentation is for version 1 of the Amazon Kinesis Data Analyt
stop_application	This documentation is for version 1 of the Amazon Kinesis Data Analyt
tag_resource	Adds one or more key-value tags to a Kinesis Analytics application
untag_resource	Removes one or more tags from a Kinesis Analytics application
update_application	This documentation is for version 1 of the Amazon Kinesis Data Analyt

Examples

```
## Not run:
svc <- kinesisanalytics()
svc$add_application_cloud_watch_logging_option(
  Foo = 123
)
## End(Not run)
```

kinesisanalyticsv2 *Amazon Kinesis Analytics*

Description

Amazon Managed Service for Apache Flink was previously known as Amazon Kinesis Data Analytics for Apache Flink.

Amazon Managed Service for Apache Flink is a fully managed service that you can use to process and analyze streaming data using Java, Python, SQL, or Scala. The service enables you to quickly author and run Java, SQL, or Scala code against streaming sources to perform time series analytics, feed real-time dashboards, and create real-time metrics.

Usage

```
kinesisanalyticsv2(
  config = list(),
  credentials = list(),
  endpoint = NULL,
  region = NULL
)
```

Arguments

config	Optional configuration of credentials, endpoint, and/or region. <ul style="list-style-type: none"> • credentials: <ul style="list-style-type: none"> – creds: <ul style="list-style-type: none"> * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html
credentials	Optional credentials shorthand for the config parameter <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```

svc <- kinesisanalyticsv2(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
  ),
  endpoint = "string",
  region = "string"
)

```

Operations

add_application_cloud_watch_logging_option	Adds an Amazon CloudWatch log stream to monitor application configuration
add_application_input	Adds a streaming source to your SQL-based Kinesis Data Analytics application
add_application_input_processing_configuration	Adds an InputProcessingConfiguration to a SQL-based Kinesis Data Analytics application
add_application_output	Adds an external destination to your SQL-based Kinesis Data Analytics application
add_application_reference_data_source	Adds a reference data source to an existing SQL-based Kinesis Data Analytics application
add_application_vpc_configuration	Adds a Virtual Private Cloud (VPC) configuration to the application
create_application	Creates a Managed Service for Apache Flink application
create_application_presigned_url	Creates and returns a URL that you can use to connect to an application
create_application_snapshot	Creates a snapshot of the application's state data
delete_application	Deletes the specified application
delete_application_cloud_watch_logging_option	Deletes an Amazon CloudWatch log stream from an SQL-based Kinesis Data Analytics application
delete_application_input_processing_configuration	Deletes an InputProcessingConfiguration from an input
delete_application_output	Deletes the output destination configuration from your SQL-based Kinesis Data Analytics application

<code>delete_application_reference_data_source</code>	Deletes a reference data source configuration from the specified SQL-based application
<code>delete_application_snapshot</code>	Deletes a snapshot of application state
<code>delete_application_vpc_configuration</code>	Removes a VPC configuration from a Managed Service for Apache Flink application
<code>describe_application</code>	Returns information about a specific Managed Service for Apache Flink application
<code>describe_application_operation</code>	Returns information about a specific operation performed on a Managed Service for Apache Flink application
<code>describe_application_snapshot</code>	Returns information about a snapshot of application state data
<code>describe_application_version</code>	Provides a detailed description of a specified version of the application
<code>discover_input_schema</code>	Infers a schema for a SQL-based Kinesis Data Analytics application by analyzing its input data
<code>list_application_operations</code>	Lists information about operations performed on a Managed Service for Apache Flink application
<code>list_applications</code>	Returns a list of Managed Service for Apache Flink applications in your account
<code>list_application_snapshots</code>	Lists information about the current application snapshots
<code>list_application_versions</code>	Lists all the versions for the specified application, including versions that are no longer available
<code>list_tags_for_resource</code>	Retrieves the list of key-value tags assigned to the application
<code>rollback_application</code>	Reverts the application to the previous running version
<code>start_application</code>	Starts the specified Managed Service for Apache Flink application
<code>stop_application</code>	Stops the application from processing data
<code>tag_resource</code>	Adds one or more key-value tags to a Managed Service for Apache Flink application
<code>untag_resource</code>	Removes one or more tags from a Managed Service for Apache Flink application
<code>update_application</code>	Updates an existing Managed Service for Apache Flink application
<code>update_application_maintenance_configuration</code>	Updates the maintenance configuration of the Managed Service for Apache Flink application

Examples

```
## Not run:
svc <- kinesisanalyticsv2()
svc$add_application_cloud_watch_logging_option(
  Foo = 123
)

## End(Not run)
```

 mturk

Amazon Mechanical Turk

Description

Amazon Mechanical Turk API Reference

Usage

```
mturk(config = list(), credentials = list(), endpoint = NULL, region = NULL)
```

Arguments

config	Optional configuration of credentials, endpoint, and/or region. <ul style="list-style-type: none"> • credentials: <ul style="list-style-type: none"> – creds: <ul style="list-style-type: none"> * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html
credentials	Optional credentials shorthand for the config parameter <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```
svc <- mturk(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
```

```

        secret_access_key = "string",
        session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
),
endpoint = "string",
region = "string",
close_connection = "logical",
timeout = "numeric",
s3_force_path_style = "logical",
sts_regional_endpoint = "string"
),
credentials = list(
  creds = list(
    access_key_id = "string",
    secret_access_key = "string",
    session_token = "string"
  ),
  profile = "string",
  anonymous = "logical"
),
endpoint = "string",
region = "string"
)

```

Operations

[accept_qualification_request](#)
[approve_assignment](#)
[associate_qualification_with_worker](#)
[create_additional_assignments_for_hit](#)
[create_hit](#)
[create_hit_type](#)
[create_hit_with_hit_type](#)
[create_qualification_type](#)
[create_worker_block](#)
[delete_hit](#)
[delete_qualification_type](#)
[delete_worker_block](#)
[disassociate_qualification_from_worker](#)
[get_account_balance](#)
[get_assignment](#)
[get_file_upload_url](#)
[get_hit](#)
[get_qualification_score](#)
[get_qualification_type](#)
[list_assignments_for_hit](#)

The `AcceptQualificationRequest` operation approves a Worker's request for a Quali
 The `ApproveAssignment` operation approves the results of a completed assignment
 The `AssociateQualificationWithWorker` operation gives a Worker a Qualification
 The `CreateAdditionalAssignmentsForHIT` operation increases the maximum number
 The `CreateHIT` operation creates a new Human Intelligence Task (HIT)
 The `CreateHITType` operation creates a new HIT type
 The `CreateHITWithHITType` operation creates a new Human Intelligence Task (HI
 The `CreateQualificationType` operation creates a new Qualification type, which is re
 The `CreateWorkerBlock` operation allows you to prevent a Worker from working on
 The `DeleteHIT` operation is used to delete HIT that is no longer needed
 The `DeleteQualificationType` deletes a Qualification type and deletes any HIT types
 The `DeleteWorkerBlock` operation allows you to reinstate a blocked Worker to wor
 The `DisassociateQualificationFromWorker` revokes a previously granted Qualificati
 The `GetAccountBalance` operation retrieves the Prepaid HITs balance in your Ama
 The `GetAssignment` operation retrieves the details of the specified Assignment
 The `GetFileUploadURL` operation generates and returns a temporary URL
 The `GetHIT` operation retrieves the details of the specified HIT
 The `GetQualificationScore` operation returns the value of a Worker's Qualification f
 The `GetQualificationType` operation retrieves information about a Qualification type
 The `ListAssignmentsForHIT` operation retrieves completed assignments for a HIT

[list_bonus_payments](#)
[list_hi_ts](#)
[list_hi_ts_for_qualification_type](#)
[list_qualification_requests](#)
[list_qualification_types](#)
[list_reviewable_hi_ts](#)
[list_review_policy_results_for_hit](#)
[list_worker_blocks](#)
[list_workers_with_qualification_type](#)
[notify_workers](#)
[reject_assignment](#)
[reject_qualification_request](#)
[send_bonus](#)
[send_test_event_notification](#)
[update_expiration_for_hit](#)
[update_hit_review_status](#)
[update_hit_type_of_hit](#)
[update_notification_settings](#)
[update_qualification_type](#)

The ListBonusPayments operation retrieves the amounts of bonuses you have paid
 The ListHITs operation returns all of a Requester's HITs
 The ListHITsForQualificationType operation returns the HITs that use the given Q
 The ListQualificationRequests operation retrieves requests for Qualifications of a p
 The ListQualificationTypes operation returns a list of Qualification types, filtered by
 The ListReviewableHITs operation retrieves the HITs with Status equal to Reviewa
 The ListReviewPolicyResultsForHIT operation retrieves the computed results and t
 The ListWorkersBlocks operation retrieves a list of Workers who are blocked from
 The ListWorkersWithQualificationType operation returns all of the Workers that ha
 The NotifyWorkers operation sends an email to one or more Workers that you speci
 The RejectAssignment operation rejects the results of a completed assignment
 The RejectQualificationRequest operation rejects a user's request for a Qualificatio
 The SendBonus operation issues a payment of money from your account to a Work
 The SendTestEventNotification operation causes Amazon Mechanical Turk to send
 The UpdateExpirationForHIT operation allows you update the expiration time of a
 The UpdateHITReviewStatus operation updates the status of a HIT
 The UpdateHITTypeOfHIT operation allows you to change the HITType properties
 The UpdateNotificationSettings operation creates, updates, disables or re-enables n
 The UpdateQualificationType operation modifies the attributes of an existing Quali

Examples

```

## Not run:
svc <- mturk()
svc$accept_qualification_request(
  Foo = 123
)

## End(Not run)
  
```

opensearchingestion *Amazon OpenSearch Ingestion*

Description

Use the Amazon OpenSearch Ingestion API to create and manage ingestion pipelines. OpenSearch Ingestion is a fully managed data collector that delivers real-time log and trace data to OpenSearch Service domains. For more information, see [Getting data into your cluster using OpenSearch Ingestion](#).

Usage

```

opensearchingestion(
  config = list(),

```

```

credentials = list(),
endpoint = NULL,
region = NULL
)

```

Arguments

config	Optional configuration of credentials, endpoint, and/or region. <ul style="list-style-type: none"> • credentials: <ul style="list-style-type: none"> – creds: <ul style="list-style-type: none"> * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html
credentials	Optional credentials shorthand for the config parameter <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```

svc <- opensearchingestion(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
  ),
  endpoint = "string",
  region = "string"
)

```

Operations

create_pipeline	Creates an OpenSearch Ingestion pipeline
delete_pipeline	Deletes an OpenSearch Ingestion pipeline
get_pipeline	Retrieves information about an OpenSearch Ingestion pipeline
get_pipeline_blueprint	Retrieves information about a specific blueprint for OpenSearch Ingestion
get_pipeline_change_progress	Returns progress information for the current change happening on an OpenSearch Ingestion pipeline
list_pipeline_blueprints	Retrieves a list of all available blueprints for Data Prepper
list_pipelines	Lists all OpenSearch Ingestion pipelines in the current Amazon Web Services account and Region
list_tags_for_resource	Lists all resource tags associated with an OpenSearch Ingestion pipeline
start_pipeline	Starts an OpenSearch Ingestion pipeline
stop_pipeline	Stops an OpenSearch Ingestion pipeline
tag_resource	Tags an OpenSearch Ingestion pipeline
untag_resource	Removes one or more tags from an OpenSearch Ingestion pipeline
update_pipeline	Updates an OpenSearch Ingestion pipeline

`validate_pipeline`

Checks whether an OpenSearch Ingestion pipeline configuration is valid prior to creation

Examples

```
## Not run:
svc <- opensearchingestion()
svc$create_pipeline(
  Foo = 123
)

## End(Not run)
```

`opensearchservice`*Amazon OpenSearch Service*

Description

Use the Amazon OpenSearch Service configuration API to create, configure, and manage OpenSearch Service domains. The endpoint for configuration service requests is Region specific: `es.region.amazonaws.com`. For example, `es.us-east-1.amazonaws.com`. For a current list of supported Regions and endpoints, see [Amazon Web Services service endpoints](#).

Usage

```
opensearchservice(
  config = list(),
  credentials = list(),
  endpoint = NULL,
  region = NULL
)
```

Arguments

- `config` Optional configuration of credentials, endpoint, and/or region.
- **credentials:**
 - **creds:**
 - * **access_key_id:** AWS access key ID
 - * **secret_access_key:** AWS secret access key
 - * **session_token:** AWS temporary session token
 - **profile:** The name of a profile to use. If not given, then the default profile is used.
 - **anonymous:** Set anonymous credentials.
 - **endpoint:** The complete URL to use for the constructed client.

	<ul style="list-style-type: none"> • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html
credentials	<p>Optional credentials shorthand for the config parameter</p> <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```
svc <- opensearchservice(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
```

```

credentials = list(
  creds = list(
    access_key_id = "string",
    secret_access_key = "string",
    session_token = "string"
  ),
  profile = "string",
  anonymous = "logical"
),
endpoint = "string",
region = "string"
)

```

Operations

accept_inbound_connection	Allows the destination Amazon OpenSearch Service domain owner to accept an inbound cross-cluster search connection
add_data_source	Creates a new direct-query data source to the specified domain
add_direct_query_data_source	Adds a new data source in Amazon OpenSearch Service so that you can perform direct queries to the source domain
add_tags	Attaches tags to an existing Amazon OpenSearch Service domain, data source, or application
associate_package	Associates a package with an Amazon OpenSearch Service domain
associate_packages	Operation in the Amazon OpenSearch Service API for associating multiple packages with a domain
authorize_vpc_endpoint_access	Provides access to an Amazon OpenSearch Service domain through the use of an interface VPC endpoint
cancel_domain_config_change	Cancels a pending configuration change on an Amazon OpenSearch Service domain
cancel_service_software_update	Cancels a scheduled service software update for an Amazon OpenSearch Service domain
create_application	Creates an OpenSearch Application
create_domain	Creates an Amazon OpenSearch Service domain
create_outbound_connection	Creates a new cross-cluster search connection from a source Amazon OpenSearch Service domain to a destination Amazon OpenSearch Service domain
create_package	Creates a package for use with Amazon OpenSearch Service domains
create_vpc_endpoint	Creates an Amazon OpenSearch Service-managed VPC endpoint
delete_application	Deletes an existing OpenSearch Application
delete_data_source	Deletes a direct-query data source
delete_direct_query_data_source	Deletes a previously configured direct query data source from Amazon OpenSearch Service
delete_domain	Deletes an Amazon OpenSearch Service domain and all of its data
delete_inbound_connection	Allows the destination Amazon OpenSearch Service domain owner to delete an existing inbound cross-cluster search connection
delete_outbound_connection	Allows the source Amazon OpenSearch Service domain owner to delete an existing outbound cross-cluster search connection
delete_package	Deletes an Amazon OpenSearch Service package
delete_vpc_endpoint	Deletes an Amazon OpenSearch Service-managed interface VPC endpoint
describe_domain	Describes the domain configuration for the specified Amazon OpenSearch Service domain
describe_domain_auto_tunes	Returns the list of optimizations that Auto-Tune has made to an Amazon OpenSearch Service domain
describe_domain_change_progress	Returns information about the current blue/green deployment happening on an Amazon OpenSearch Service domain
describe_domain_config	Returns the configuration of an Amazon OpenSearch Service domain
describe_domain_health	Returns information about domain and node health, the standby Availability Zone, number of nodes, and number of data nodes
describe_domain_nodes	Returns information about domain and nodes, including data nodes, master nodes, and ultra-warm nodes
describe_domains	Returns domain configuration information about the specified Amazon OpenSearch Service domain
describe_dry_run_progress	Describes the progress of a pre-update dry run analysis on an Amazon OpenSearch Service domain
describe_inbound_connections	Lists all the inbound cross-cluster search connections for a destination (remote) Amazon OpenSearch Service domain
describe_instance_type_limits	Describes the instance count, storage, and master node limits for a given OpenSearch Service domain
describe_outbound_connections	Lists all the outbound cross-cluster connections for a local (source) Amazon OpenSearch Service domain

describe_packages	Describes all packages available to OpenSearch Service
describe_reserved_instance_offerings	Describes the available Amazon OpenSearch Service Reserved Instance offerings for a given Amazon Web Services principal
describe_reserved_instances	Describes the Amazon OpenSearch Service instances that you have reserved in a given Amazon Web Services principal
describe_vpc_endpoints	Describes one or more Amazon OpenSearch Service-managed VPC endpoints
dissociate_package	Removes a package from the specified Amazon OpenSearch Service domain
dissociate_packages	Dissociates multiple packages from a domain simultaneously
get_application	Check the configuration and status of an existing OpenSearch Application
get_compatible_versions	Returns a map of OpenSearch or Elasticsearch versions and the versions you can upgrade to
get_data_source	Retrieves information about a direct query data source
get_direct_query_data_source	Returns detailed configuration information for a specific direct query data source in Amazon OpenSearch Service
get_domain_maintenance_status	The status of the maintenance action
get_package_version_history	Returns a list of Amazon OpenSearch Service package versions, along with their creation and update dates
get_upgrade_history	Retrieves the complete history of the last 10 upgrades performed on an Amazon OpenSearch Service domain
get_upgrade_status	Returns the most recent status of the last upgrade or upgrade eligibility check performed on an Amazon OpenSearch Service domain
list_applications	List all OpenSearch Applications under your account
list_data_sources	Lists direct-query data sources for a specific domain
list_direct_query_data_sources	Lists an inventory of all the direct query data sources that you have configured within a domain
list_domain_maintenances	A list of maintenance actions for the domain
list_domain_names	Returns the names of all Amazon OpenSearch Service domains owned by the current Amazon Web Services principal
list_domains_for_package	Lists all Amazon OpenSearch Service domains associated with a given package
list_instance_type_details	Lists all instance types and available features for a given OpenSearch or Elasticsearch package
list_packages_for_domain	Lists all packages associated with an Amazon OpenSearch Service domain
list_scheduled_actions	Retrieves a list of configuration changes that are scheduled for a domain
list_tags	Returns all resource tags for an Amazon OpenSearch Service domain, data source, or VPC endpoint
list_versions	Lists all versions of OpenSearch and Elasticsearch that Amazon OpenSearch Service supports
list_vpc_endpoint_access	Retrieves information about each Amazon Web Services principal that is allowed to access a VPC endpoint
list_vpc_endpoints	Retrieves all Amazon OpenSearch Service-managed VPC endpoints in the current Amazon Web Services principal
list_vpc_endpoints_for_domain	Retrieves all Amazon OpenSearch Service-managed VPC endpoints associated with a domain
purchase_reserved_instance_offering	Allows you to purchase Amazon OpenSearch Service Reserved Instances
reject_inbound_connection	Allows the remote Amazon OpenSearch Service domain owner to reject an inbound connection
remove_tags	Removes the specified set of tags from an Amazon OpenSearch Service domain, data source, or VPC endpoint
revoke_vpc_endpoint_access	Revokes access to an Amazon OpenSearch Service domain that was provided through a VPC endpoint
start_domain_maintenance	Starts the node maintenance process on the data node
start_service_software_update	Schedules a service software update for an Amazon OpenSearch Service domain
update_application	Update the OpenSearch Application
update_data_source	Updates a direct-query data source
update_direct_query_data_source	Updates the configuration or properties of an existing direct query data source in Amazon OpenSearch Service
update_domain_config	Modifies the cluster configuration of the specified Amazon OpenSearch Service domain
update_package	Updates a package for use with Amazon OpenSearch Service domains
update_package_scope	Updates the scope of a package
update_scheduled_action	Reschedules a planned domain configuration change for a later time
update_vpc_endpoint	Modifies an Amazon OpenSearch Service-managed interface VPC endpoint
upgrade_domain	Allows you to either upgrade your Amazon OpenSearch Service domain or perform a rolling upgrade

Examples

```
## Not run:
```

```

svc <- opensearchservice()
svc$accept_inbound_connection(
  Foo = 123
)

## End(Not run)

```

opensearchserviceserverless

OpenSearch Service Serverless

Description

Use the Amazon OpenSearch Serverless API to create, configure, and manage OpenSearch Serverless collections and security policies.

OpenSearch Serverless is an on-demand, pre-provisioned serverless configuration for Amazon OpenSearch Service. OpenSearch Serverless removes the operational complexities of provisioning, configuring, and tuning your OpenSearch clusters. It enables you to easily search and analyze petabytes of data without having to worry about the underlying infrastructure and data management.

To learn more about OpenSearch Serverless, see [What is Amazon OpenSearch Serverless?](#)

Usage

```

opensearchserviceserverless(
  config = list(),
  credentials = list(),
  endpoint = NULL,
  region = NULL
)

```

Arguments

- | | |
|--------|---|
| config | Optional configuration of credentials, endpoint, and/or region. <ul style="list-style-type: none"> • credentials: <ul style="list-style-type: none"> – creds: <ul style="list-style-type: none"> * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. |
|--------|---|

	<ul style="list-style-type: none"> • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html
credentials	Optional credentials shorthand for the config parameter <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```
svc <- opensearchserviceserverless(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
```

```

        secret_access_key = "string",
        session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
),
endpoint = "string",
region = "string"
)

```

Operations

batch_get_collection	Returns attributes for one or more collections, including the collection endpoint and the
batch_get_effective_lifecycle_policy	Returns a list of successful and failed retrievals for the OpenSearch Serverless indexes
batch_get_lifecycle_policy	Returns one or more configured OpenSearch Serverless lifecycle policies
batch_get_vpc_endpoint	Returns attributes for one or more VPC endpoints associated with the current account
create_access_policy	Creates a data access policy for OpenSearch Serverless
create_collection	Creates a new OpenSearch Serverless collection
create_lifecycle_policy	Creates a lifecycle policy to be applied to OpenSearch Serverless indexes
create_security_config	Specifies a security configuration for OpenSearch Serverless
create_security_policy	Creates a security policy to be used by one or more OpenSearch Serverless collections
create_vpc_endpoint	Creates an OpenSearch Serverless-managed interface VPC endpoint
delete_access_policy	Deletes an OpenSearch Serverless access policy
delete_collection	Deletes an OpenSearch Serverless collection
delete_lifecycle_policy	Deletes an OpenSearch Serverless lifecycle policy
delete_security_config	Deletes a security configuration for OpenSearch Serverless
delete_security_policy	Deletes an OpenSearch Serverless security policy
delete_vpc_endpoint	Deletes an OpenSearch Serverless-managed interface endpoint
get_access_policy	Returns an OpenSearch Serverless access policy
get_account_settings	Returns account-level settings related to OpenSearch Serverless
get_policies_stats	Returns statistical information about your OpenSearch Serverless access policies, security
get_security_config	Returns information about an OpenSearch Serverless security configuration
get_security_policy	Returns information about a configured OpenSearch Serverless security policy
list_access_policies	Returns information about a list of OpenSearch Serverless access policies
list_collections	Lists all OpenSearch Serverless collections
list_lifecycle_policies	Returns a list of OpenSearch Serverless lifecycle policies
list_security_configs	Returns information about configured OpenSearch Serverless security configurations
list_security_policies	Returns information about configured OpenSearch Serverless security policies
list_tags_for_resource	Returns the tags for an OpenSearch Serverless resource
list_vpc_endpoints	Returns the OpenSearch Serverless-managed interface VPC endpoints associated with
tag_resource	Associates tags with an OpenSearch Serverless resource
untag_resource	Removes a tag or set of tags from an OpenSearch Serverless resource
update_access_policy	Updates an OpenSearch Serverless access policy
update_account_settings	Update the OpenSearch Serverless settings for the current Amazon Web Services account
update_collection	Updates an OpenSearch Serverless collection
update_lifecycle_policy	Updates an OpenSearch Serverless access policy
update_security_config	Updates a security configuration for OpenSearch Serverless
update_security_policy	Updates an OpenSearch Serverless security policy

`update_vpc_endpoint`

Updates an OpenSearch Serverless-managed interface endpoint

Examples

```
## Not run:
svc <- opensearchserviceserverless()
svc$batch_get_collection(
  Foo = 123
)

## End(Not run)
```

`quicksight`*Amazon QuickSight*

Description

Amazon QuickSight API Reference

Amazon QuickSight is a fully managed, serverless business intelligence service for the Amazon Web Services Cloud that makes it easy to extend data and insights to every user in your organization. This API reference contains documentation for a programming interface that you can use to manage Amazon QuickSight.

Usage

```
quicksight(
  config = list(),
  credentials = list(),
  endpoint = NULL,
  region = NULL
)
```

Arguments

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

- **credentials:**
 - **creds:**
 - * **access_key_id:** AWS access key ID
 - * **secret_access_key:** AWS secret access key
 - * **session_token:** AWS temporary session token
 - **profile:** The name of a profile to use. If not given, then the default profile is used.
 - **anonymous:** Set anonymous credentials.

- **endpoint**: The complete URL to use for the constructed client.
- **region**: The AWS Region used in instantiating the client.
- **close_connection**: Immediately close all HTTP connections.
- **timeout**: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds.
- **s3_force_path_style**: Set this to `true` to force the request to use path-style addressing, i.e. `http://s3.amazonaws.com/BUCKET/KEY`.
- **sts_regional_endpoint**: Set sts regional endpoint resolver to regional or legacy <https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html>

credentials	Optional credentials shorthand for the config parameter
	<ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

A client for the service. You can call the service's operations using syntax like `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

```
svc <- quicksight(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
```

```

    ),
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string"
  )

```

Operations

batch_create_topic_reviewed_answer	Creates new reviewed answers for a Q Topic
batch_delete_topic_reviewed_answer	Deletes reviewed answers for Q Topic
cancel_ingestion	Cancels an ongoing ingestion of data into SPICE
create_account_customization	Creates Amazon QuickSight customizations for the current Amazon Wel
create_account_subscription	Creates an Amazon QuickSight account, or subscribes to Amazon Q
create_analysis	Creates an analysis in Amazon QuickSight
create_brand	Creates an Amazon QuickSight brand
create_custom_permissions	Creates a custom permissions profile
create_dashboard	Creates a dashboard from either a template or directly with a Dashb
create_data_set	Creates a dataset
create_data_source	Creates a data source
create_folder	Creates an empty shared folder
create_folder_membership	Adds an asset, such as a dashboard, analysis, or dataset into a folder
create_group	Use the CreateGroup operation to create a group in Amazon QuickS
create_group_membership	Adds an Amazon QuickSight user to an Amazon QuickSight group
create_iam_policy_assignment	Creates an assignment with one specified IAM policy, identified by
create_ingestion	Creates and starts a new SPICE ingestion for a dataset
create_namespace	(Enterprise edition only) Creates a new namespace for you to use w
create_refresh_schedule	Creates a refresh schedule for a dataset
create_role_membership	Use CreateRoleMembership to add an existing Amazon QuickSight
create_template	Creates a template either from a TemplateDefinition or from an exis
create_template_alias	Creates a template alias for a template
create_theme	Creates a theme
create_theme_alias	Creates a theme alias for a theme
create_topic	Creates a new Q topic
create_topic_refresh_schedule	Creates a topic refresh schedule
create_vpc_connection	Creates a new VPC connection
delete_account_customization	Deletes all Amazon QuickSight customizations in this Amazon Wel
delete_account_subscription	Use the DeleteAccountSubscription operation to delete an Amazon
delete_analysis	Deletes an analysis from Amazon QuickSight
delete_brand	Deletes an Amazon QuickSight brand
delete_brand_assignment	Deletes a brand assignment

<code>delete_custom_permissions</code>	Deletes a custom permissions profile
<code>delete_dashboard</code>	Deletes a dashboard
<code>delete_data_set</code>	Deletes a dataset
<code>delete_data_set_refresh_properties</code>	Deletes the dataset refresh properties of the dataset
<code>delete_data_source</code>	Deletes the data source permanently
<code>delete_default_q_business_application</code>	Deletes a linked Amazon Q Business application from an Amazon Q Business workspace
<code>delete_folder</code>	Deletes an empty folder
<code>delete_folder_membership</code>	Removes an asset, such as a dashboard, analysis, or dataset, from a folder
<code>delete_group</code>	Removes a user group from Amazon QuickSight
<code>delete_group_membership</code>	Removes a user from a group so that the user is no longer a member of the group
<code>delete_iam_policy_assignment</code>	Deletes an existing IAM policy assignment
<code>delete_identity_propagation_config</code>	Deletes all access scopes and authorized targets that are associated with the identity propagation configuration
<code>delete_namespace</code>	Deletes a namespace and the users and groups that are associated with the namespace
<code>delete_refresh_schedule</code>	Deletes a refresh schedule from a dataset
<code>delete_role_custom_permission</code>	Removes custom permissions from the role
<code>delete_role_membership</code>	Removes a group from a role
<code>delete_template</code>	Deletes a template
<code>delete_template_alias</code>	Deletes the item that the specified template alias points to
<code>delete_theme</code>	Deletes a theme
<code>delete_theme_alias</code>	Deletes the version of the theme that the specified theme alias points to
<code>delete_topic</code>	Deletes a topic
<code>delete_topic_refresh_schedule</code>	Deletes a topic refresh schedule
<code>delete_user</code>	Deletes the Amazon QuickSight user that is associated with the identity provider
<code>delete_user_by_principal_id</code>	Deletes a user identified by its principal ID
<code>delete_user_custom_permission</code>	Deletes a custom permissions profile from a user
<code>delete_vpc_connection</code>	Deletes a VPC connection
<code>describe_account_customization</code>	Describes the customizations associated with the provided Amazon QuickSight account
<code>describe_account_settings</code>	Describes the settings that were used when your Amazon QuickSight account was created
<code>describe_account_subscription</code>	Use the DescribeAccountSubscription operation to receive a description of the account subscription
<code>describe_analysis</code>	Provides a summary of the metadata for an analysis
<code>describe_analysis_definition</code>	Provides a detailed description of the definition of an analysis
<code>describe_analysis_permissions</code>	Provides the read and write permissions for an analysis
<code>describe_asset_bundle_export_job</code>	Describes an existing export job
<code>describe_asset_bundle_import_job</code>	Describes an existing import job
<code>describe_brand</code>	Describes a brand
<code>describe_brand_assignment</code>	Describes a brand assignment
<code>describe_brand_published_version</code>	Describes the published version of the brand
<code>describe_custom_permissions</code>	Describes a custom permissions profile
<code>describe_dashboard</code>	Provides a summary for a dashboard
<code>describe_dashboard_definition</code>	Provides a detailed description of the definition of a dashboard
<code>describe_dashboard_permissions</code>	Describes read and write permissions for a dashboard
<code>describe_dashboard_snapshot_job</code>	Describes an existing snapshot job
<code>describe_dashboard_snapshot_job_result</code>	Describes the result of an existing snapshot job that has finished running
<code>describe_dashboards_qa_configuration</code>	Describes an existing dashboard QA configuration
<code>describe_data_set</code>	Describes a dataset
<code>describe_data_set_permissions</code>	Describes the permissions on a dataset
<code>describe_data_set_refresh_properties</code>	Describes the refresh properties of a dataset
<code>describe_data_source</code>	Describes a data source

<code>describe_data_source_permissions</code>	Describes the resource permissions for a data source
<code>describe_default_q_business_application</code>	Describes a Amazon Q Business application that is linked to an Amazon QuickSight account
<code>describe_folder</code>	Describes a folder
<code>describe_folder_permissions</code>	Describes permissions for a folder
<code>describe_folder_resolved_permissions</code>	Describes the folder resolved permissions
<code>describe_group</code>	Returns an Amazon QuickSight group's description and Amazon Resource Name (ARN)
<code>describe_group_membership</code>	Use the DescribeGroupMembership operation to determine if a user is a member of a group
<code>describe_iam_policy_assignment</code>	Describes an existing IAM policy assignment, as specified by the assignment name
<code>describe_ingestion</code>	Describes a SPICE ingestion
<code>describe_ip_restriction</code>	Provides a summary and status of IP rules
<code>describe_key_registration</code>	Describes all customer managed key registrations in a Amazon QuickSight account
<code>describe_namespace</code>	Describes the current namespace
<code>describe_q_personalization_configuration</code>	Describes a personalization configuration
<code>describe_quick_sight_q_search_configuration</code>	Describes the state of a Amazon QuickSight Q Search configuration
<code>describe_refresh_schedule</code>	Provides a summary of a refresh schedule
<code>describe_role_custom_permission</code>	Describes all custom permissions that are mapped to a role
<code>describe_template</code>	Describes a template's metadata
<code>describe_template_alias</code>	Describes the template alias for a template
<code>describe_template_definition</code>	Provides a detailed description of the definition of a template
<code>describe_template_permissions</code>	Describes read and write permissions on a template
<code>describe_theme</code>	Describes a theme
<code>describe_theme_alias</code>	Describes the alias for a theme
<code>describe_theme_permissions</code>	Describes the read and write permissions for a theme
<code>describe_topic</code>	Describes a topic
<code>describe_topic_permissions</code>	Describes the permissions of a topic
<code>describe_topic_refresh</code>	Describes the status of a topic refresh
<code>describe_topic_refresh_schedule</code>	Deletes a topic refresh schedule
<code>describe_user</code>	Returns information about a user, given the user name
<code>describe_vpc_connection</code>	Describes a VPC connection
<code>generate_embed_url_for_anonymous_user</code>	Generates an embed URL that you can use to embed an Amazon QuickSight dashboard
<code>generate_embed_url_for_registered_user</code>	Generates an embed URL that you can use to embed an Amazon QuickSight dashboard
<code>generate_embed_url_for_registered_user_with_identity</code>	Generates an embed URL that you can use to embed an Amazon QuickSight dashboard
<code>get_dashboard_embed_url</code>	Generates a temporary session URL and authorization code (bearer token)
<code>get_session_embed_url</code>	Generates a session URL and authorization code that you can use to embed a dashboard
<code>list_analyses</code>	Lists Amazon QuickSight analyses that exist in the specified Amazon QuickSight account
<code>list_asset_bundle_export_jobs</code>	Lists all asset bundle export jobs that have been taken place in the last 14 days
<code>list_asset_bundle_import_jobs</code>	Lists all asset bundle import jobs that have taken place in the last 14 days
<code>list_brands</code>	Lists all brands in an Amazon QuickSight account
<code>list_custom_permissions</code>	Returns a list of all the custom permissions profiles
<code>list_dashboards</code>	Lists dashboards in an Amazon Web Services account
<code>list_dashboard_versions</code>	Lists all the versions of the dashboards in the Amazon QuickSight account
<code>list_data_sets</code>	Lists all of the datasets belonging to the current Amazon Web Services account
<code>list_data_sources</code>	Lists data sources in current Amazon Web Services Region that belong to the current Amazon QuickSight account
<code>list_folder_members</code>	List all assets (DASHBOARD, ANALYSIS, and DATASET) in a folder
<code>list_folders</code>	Lists all folders in an account
<code>list_folders_for_resource</code>	List all folders that a resource is a member of
<code>list_group_memberships</code>	Lists member users in a group
<code>list_groups</code>	Lists all user groups in Amazon QuickSight

<code>list_iam_policy_assignments</code>	Lists the IAM policy assignments in the current Amazon QuickSight account
<code>list_iam_policy_assignments_for_user</code>	Lists all of the IAM policy assignments, including the Amazon Resource Access Manager (RAM) policy assignments, for a user
<code>list_identity_propagation_configs</code>	Lists all services and authorized targets that the Amazon QuickSight account is configured to propagate identity information to
<code>list_ingestions</code>	Lists the history of SPICE ingestions for a dataset
<code>list_namespaces</code>	Lists the namespaces for the specified Amazon Web Services account
<code>list_refresh_schedules</code>	Lists the refresh schedules of a dataset
<code>list_role_memberships</code>	Lists all groups that are associated with a role
<code>list_tags_for_resource</code>	Lists the tags assigned to a resource
<code>list_template_aliases</code>	Lists all the aliases of a template
<code>list_templates</code>	Lists all the templates in the current Amazon QuickSight account
<code>list_template_versions</code>	Lists all the versions of the templates in the current Amazon QuickSight account
<code>list_theme_aliases</code>	Lists all the aliases of a theme
<code>list_themes</code>	Lists all the themes in the current Amazon Web Services account
<code>list_theme_versions</code>	Lists all the versions of the themes in the current Amazon Web Services account
<code>list_topic_refresh_schedules</code>	Lists all of the refresh schedules for a topic
<code>list_topic_reviewed_answers</code>	Lists all reviewed answers for a Q Topic
<code>list_topics</code>	Lists all of the topics within an account
<code>list_user_groups</code>	Lists the Amazon QuickSight groups that an Amazon QuickSight user belongs to
<code>list_users</code>	Returns a list of all of the Amazon QuickSight users belonging to the current Amazon QuickSight account
<code>list_vpc_connections</code>	Lists all of the VPC connections in the current set Amazon Web Services account
<code>predict_qa_results</code>	Predicts existing visuals or generates new visuals to answer a given question
<code>put_data_set_refresh_properties</code>	Creates or updates the dataset refresh properties for the dataset
<code>register_user</code>	Creates an Amazon QuickSight user whose identity is associated with an external identity provider
<code>restore_analysis</code>	Restores an analysis
<code>search_analyses</code>	Searches for analyses that belong to the user specified in the filter
<code>search_dashboards</code>	Searches for dashboards that belong to a user
<code>search_data_sets</code>	Use the SearchDataSets operation to search for datasets that belong to a user
<code>search_data_sources</code>	Use the SearchDataSources operation to search for data sources that belong to a user
<code>search_folders</code>	Searches the subfolders in a folder
<code>search_groups</code>	Use the SearchGroups operation to search groups in a specified Amazon QuickSight account
<code>search_topics</code>	Searches for any Q topic that exists in an Amazon QuickSight account
<code>start_asset_bundle_export_job</code>	Starts an Asset Bundle export job
<code>start_asset_bundle_import_job</code>	Starts an Asset Bundle import job
<code>start_dashboard_snapshot_job</code>	Starts an asynchronous job that generates a snapshot of a dashboard
<code>start_dashboard_snapshot_job_schedule</code>	Starts an asynchronous job that runs an existing dashboard schedule
<code>tag_resource</code>	Assigns one or more tags (key-value pairs) to the specified Amazon QuickSight resource
<code>untag_resource</code>	Removes a tag or tags from a resource
<code>update_account_customization</code>	Updates Amazon QuickSight customizations for the current Amazon QuickSight account
<code>update_account_settings</code>	Updates the Amazon QuickSight settings in your Amazon Web Services account
<code>update_analysis</code>	Updates an analysis in Amazon QuickSight
<code>update_analysis_permissions</code>	Updates the read and write permissions for an analysis
<code>update_application_with_token_exchange_grant</code>	Updates an Amazon QuickSight application with a token exchange grant
<code>update_brand</code>	Updates a brand
<code>update_brand_assignment</code>	Updates a brand assignment
<code>update_brand_published_version</code>	Updates the published version of a brand
<code>update_custom_permissions</code>	Updates a custom permissions profile
<code>update_dashboard</code>	Updates a dashboard in an Amazon Web Services account
<code>update_dashboard_links</code>	Updates the linked analyses on a dashboard

<code>update_dashboard_permissions</code>	Updates read and write permissions on a dashboard
<code>update_dashboard_published_version</code>	Updates the published version of a dashboard
<code>update_dashboards_qa_configuration</code>	Updates a Dashboard QA configuration
<code>update_data_set</code>	Updates a dataset
<code>update_data_set_permissions</code>	Updates the permissions on a dataset
<code>update_data_source</code>	Updates a data source
<code>update_data_source_permissions</code>	Updates the permissions to a data source
<code>update_default_q_business_application</code>	Updates a Amazon Q Business application that is linked to a Amazon QuickSight account
<code>update_folder</code>	Updates the name of a folder
<code>update_folder_permissions</code>	Updates permissions of a folder
<code>update_group</code>	Changes a group description
<code>update_iam_policy_assignment</code>	Updates an existing IAM policy assignment
<code>update_identity_propagation_config</code>	Adds or updates services and authorized targets to configure what the user can access
<code>update_ip_restriction</code>	Updates the content and status of IP rules
<code>update_key_registration</code>	Updates a customer managed key in a Amazon QuickSight account
<code>update_public_sharing_settings</code>	Use the UpdatePublicSharingSettings operation to turn on or turn off public sharing
<code>update_q_personalization_configuration</code>	Updates a personalization configuration
<code>update_quick_sight_q_search_configuration</code>	Updates the state of a Amazon QuickSight Q Search configuration
<code>update_refresh_schedule</code>	Updates a refresh schedule for a dataset
<code>update_role_custom_permission</code>	Updates the custom permissions that are associated with a role
<code>update_spice_capacity_configuration</code>	Updates the SPICE capacity configuration for a Amazon QuickSight workspace
<code>update_template</code>	Updates a template from an existing Amazon QuickSight analysis or dashboard
<code>update_template_alias</code>	Updates the template alias of a template
<code>update_template_permissions</code>	Updates the resource permissions for a template
<code>update_theme</code>	Updates a theme
<code>update_theme_alias</code>	Updates an alias of a theme
<code>update_theme_permissions</code>	Updates the resource permissions for a theme
<code>update_topic</code>	Updates a topic
<code>update_topic_permissions</code>	Updates the permissions of a topic
<code>update_topic_refresh_schedule</code>	Updates a topic refresh schedule
<code>update_user</code>	Updates an Amazon QuickSight user
<code>update_user_custom_permission</code>	Updates a custom permissions profile for a user
<code>update_vpc_connection</code>	Updates a VPC connection

Examples

```
## Not run:
svc <- quicksight()
svc$batch_create_topic_reviewed_answer(
  Foo = 123
)

## End(Not run)
```

Index

accept_inbound_connection, 82
accept_inbound_cross_cluster_search_connection, 22
accept_predictions, 17
accept_qualification_request, 76
accept_subscription_request, 17
activate_pipeline, 14
add_application_cloud_watch_logging_option, 71, 73
add_application_input, 71, 73
add_application_input_processing_configuration, 71, 73
add_application_output, 71, 73
add_application_reference_data_source, 71, 73
add_application_vpc_configuration, 73
add_data_source, 82
add_direct_query_data_source, 82
add_entity_owner, 17
add_instance_fleet, 26
add_instance_groups, 26
add_job_flow_steps, 26
add_policy_grant, 17
add_policy_statement, 29
add_tags, 14, 22, 26, 82
add_tags_to_stream, 68
approve_assignment, 76
associate_entities_to_experience, 62
associate_environment_role, 17
associate_package, 22, 82
associate_packages, 82
associate_personas_to_entities, 62
associate_qualification_with_worker, 76
athena, 3
authorize_vpc_endpoint_access, 22, 82
batch_associate_scram_secret, 56
batch_create_partition, 35
batch_create_topic_reviewed_answer, 89
batch_delete_connection, 35
batch_delete_document, 62
batch_delete_featured_results_set, 62
batch_delete_partition, 35
batch_delete_recipe_version, 42
batch_delete_table, 35
batch_delete_table_version, 35
batch_delete_topic_reviewed_answer, 89
batch_delete_unique_id, 29
batch_disassociate_scram_secret, 56
batch_get_blueprints, 35
batch_get_channel, 49
batch_get_collection, 86
batch_get_crawlers, 35
batch_get_custom_entity_types, 35
batch_get_data_quality_result, 35
batch_get_dev_endpoints, 35
batch_get_document_status, 62
batch_get_effective_lifecycle_policy, 86
batch_get_jobs, 35
batch_get_lifecycle_policy, 86
batch_get_named_query, 5
batch_get_partition, 35
batch_get_prepared_statement, 5
batch_get_query_execution, 5
batch_get_stream_key, 49
batch_get_table_optimizer, 35
batch_get_triggers, 35
batch_get_vpc_endpoint, 86
batch_get_workflows, 35
batch_put_data_quality_statistic_annotation, 35
batch_put_document, 62
batch_start_viewer_session_revocation, 49
batch_stop_job_run, 35
batch_update_partition, 35
build_suggesters, 9

- cancel_capacity_reservation, 5
- cancel_data_quality_rule_recommendation_run, 35
- cancel_data_quality_ruleset_evaluation_run, 35
- cancel_domain_config_change, 22, 82
- cancel_elasticsearch_service_software_update, 22
- cancel_ingestion, 89
- cancel_metadata_generation_run, 17
- cancel_ml_task_run, 35
- cancel_service_software_update, 82
- cancel_statement, 35
- cancel_steps, 26
- cancel_subscription, 17
- check_schema_version_validity, 35
- clear_query_suggestions, 62
- cloudsearch, 7
- cloudsearchdomain, 10
- create_access_control_configuration, 62
- create_access_policy, 86
- create_account_customization, 89
- create_account_subscription, 89
- create_additional_assignments_for_hit, 76
- create_analysis, 89
- create_application, 71, 73, 82
- create_application_presigned_url, 73
- create_application_snapshot, 73
- create_asset, 17
- create_asset_filter, 17
- create_asset_revision, 17
- create_asset_type, 17
- create_blueprint, 35
- create_brand, 89
- create_capacity_reservation, 5
- create_catalog, 35
- create_channel, 49
- create_classifier, 35
- create_cluster, 56
- create_cluster_v2, 56
- create_collection, 86
- create_column_statistics_task_settings, 35
- create_configuration, 56
- create_connection, 17, 35
- create_connector, 59
- create_crawler, 35
- create_custom_entity_type, 35
- create_custom_permissions, 89
- create_custom_plugin, 59
- create_dashboard, 89
- create_data_catalog, 5
- create_data_product, 17
- create_data_product_revision, 17
- create_data_quality_ruleset, 35
- create_data_set, 89
- create_data_source, 17, 62, 89
- create_database, 35
- create_dataset, 42
- create_delivery_stream, 32
- create_dev_endpoint, 35
- create_domain, 9, 17, 82
- create_domain_unit, 17
- create_elasticsearch_domain, 22
- create_encoder_configuration, 53
- create_environment, 17
- create_environment_action, 17
- create_environment_profile, 17
- create_experience, 62
- create_faq, 62
- create_featured_results_set, 62
- create_fhir_datastore, 45
- create_folder, 89
- create_folder_membership, 89
- create_form_type, 17
- create_glossary, 17
- create_glossary_term, 17
- create_group, 89
- create_group_membership, 89
- create_group_profile, 17
- create_hit, 76
- create_hit_type, 76
- create_hit_with_hit_type, 76
- create_iam_policy_assignment, 89
- create_id_mapping_workflow, 29
- create_id_namespace, 29
- create_index, 62
- create_ingest_configuration, 53
- create_ingestion, 89
- create_integration, 35
- create_integration_resource_property, 35
- create_integration_table_properties, 35

- create_job, 35
- create_lifecycle_policy, 86
- create_listing_change_set, 17
- create_matching_workflow, 29
- create_ml_transform, 35
- create_named_query, 5
- create_namespace, 89
- create_notebook, 5
- create_outbound_connection, 82
- create_outbound_cross_cluster_search_connection, 22
- create_package, 23, 82
- create_participant_token, 53
- create_partition, 35
- create_partition_index, 35
- create_pipeline, 14, 79
- create_playback_restriction_policy, 49
- create_prepared_statement, 5
- create_presigned_notebook_url, 5
- create_profile_job, 42
- create_project, 17, 42
- create_project_membership, 17
- create_project_profile, 17
- create_qualification_type, 76
- create_query_suggestions_block_list, 62
- create_recipe, 42
- create_recipe_job, 42
- create_recording_configuration, 49
- create_refresh_schedule, 89
- create_registry, 35
- create_replicator, 56
- create_rescore_execution_plan, 65
- create_role_membership, 89
- create_rule, 17
- create_ruleset, 42
- create_schedule, 42
- create_schema, 35
- create_schema_mapping, 29
- create_script, 35
- create_security_config, 86
- create_security_configuration, 26, 35
- create_security_policy, 86
- create_session, 35
- create_stage, 53
- create_storage_configuration, 53
- create_stream, 68
- create_stream_key, 49
- create_studio, 26
- create_studio_session_mapping, 26
- create_subscription_grant, 17
- create_subscription_request, 17
- create_subscription_target, 17
- create_table, 35
- create_table_optimizer, 36
- create_template, 89
- create_template_alias, 89
- create_theme, 89
- create_theme_alias, 89
- create_thesaurus, 62
- create_topic, 89
- create_topic_refresh_schedule, 89
- create_trigger, 36
- create_usage_profile, 36
- create_user_defined_function, 36
- create_user_profile, 17
- create_vpc_connection, 56, 89
- create_vpc_endpoint, 23, 82, 86
- create_work_group, 5
- create_worker_block, 76
- create_worker_configuration, 59
- create_workflow, 36
- datapipeline, 12
- datazone, 15
- deactivate_pipeline, 14
- decrease_stream_retention_period, 68
- define_analysis_scheme, 9
- define_expression, 9
- define_index_field, 9
- define_suggester, 9
- delete_access_control_configuration, 62
- delete_access_policy, 86
- delete_account_customization, 89
- delete_account_subscription, 89
- delete_analysis, 89
- delete_analysis_scheme, 9
- delete_application, 71, 73, 82
- delete_application_cloud_watch_logging_option, 71, 73
- delete_application_input_processing_configuration, 71, 73
- delete_application_output, 71, 73
- delete_application_reference_data_source, 71, 74
- delete_application_snapshot, 74

- delete_application_vpc_configuration, 74
- delete_asset, 17
- delete_asset_filter, 17
- delete_asset_type, 17
- delete_blueprint, 36
- delete_brand, 89
- delete_brand_assignment, 89
- delete_capacity_reservation, 5
- delete_catalog, 36
- delete_channel, 49
- delete_classifier, 36
- delete_cluster, 56
- delete_cluster_policy, 56
- delete_collection, 86
- delete_column_statistics_for_partition, 36
- delete_column_statistics_for_table, 36
- delete_column_statistics_task_settings, 36
- delete_configuration, 56
- delete_connection, 17, 36
- delete_connector, 59
- delete_crawler, 36
- delete_custom_entity_type, 36
- delete_custom_permissions, 90
- delete_custom_plugin, 59
- delete_dashboard, 90
- delete_data_catalog, 5
- delete_data_product, 17
- delete_data_quality_ruleset, 36
- delete_data_set, 90
- delete_data_set_refresh_properties, 90
- delete_data_source, 17, 62, 82, 90
- delete_database, 36
- delete_dataset, 42
- delete_default_q_business_application, 90
- delete_delivery_stream, 32
- delete_dev_endpoint, 36
- delete_direct_query_data_source, 82
- delete_domain, 9, 17, 82
- delete_domain_unit, 18
- delete_elasticsearch_domain, 23
- delete_elasticsearch_service_role, 23
- delete_encoder_configuration, 53
- delete_environment, 18
- delete_environment_action, 18
- delete_environment_blueprint_configuration, 18
- delete_environment_profile, 18
- delete_experience, 62
- delete_expression, 9
- delete_faq, 62
- delete_fhir_datastore, 45
- delete_folder, 90
- delete_folder_membership, 90
- delete_form_type, 18
- delete_glossary, 18
- delete_glossary_term, 18
- delete_group, 90
- delete_group_membership, 90
- delete_hit, 76
- delete_iam_policy_assignment, 90
- delete_id_mapping_workflow, 29
- delete_id_namespace, 29
- delete_identity_propagation_config, 90
- delete_inbound_connection, 82
- delete_inbound_cross_cluster_search_connection, 23
- delete_index, 62
- delete_index_field, 9
- delete_ingest_configuration, 53
- delete_integration, 36
- delete_integration_table_properties, 36
- delete_job, 36, 42
- delete_lifecycle_policy, 86
- delete_listing, 18
- delete_matching_workflow, 29
- delete_ml_transform, 36
- delete_named_query, 5
- delete_namespace, 90
- delete_notebook, 5
- delete_outbound_connection, 82
- delete_outbound_cross_cluster_search_connection, 23
- delete_package, 23, 82
- delete_partition, 36
- delete_partition_index, 36
- delete_pipeline, 14, 79
- delete_playback_key_pair, 49
- delete_playback_restriction_policy, 49
- delete_policy_statement, 29
- delete_prepared_statement, 5
- delete_principal_mapping, 62

- delete_project, [18, 42](#)
- delete_project_membership, [18](#)
- delete_project_profile, [18](#)
- delete_public_key, [53](#)
- delete_qualification_type, [76](#)
- delete_query_suggestions_block_list, [62](#)
- delete_recipe_version, [42](#)
- delete_recording_configuration, [49](#)
- delete_refresh_schedule, [90](#)
- delete_registry, [36](#)
- delete_replicator, [56](#)
- delete_rescore_execution_plan, [65](#)
- delete_resource_policy, [36, 68](#)
- delete_role_custom_permission, [90](#)
- delete_role_membership, [90](#)
- delete_rule, [18](#)
- delete_ruleset, [42](#)
- delete_schedule, [42](#)
- delete_schema, [36](#)
- delete_schema_mapping, [29](#)
- delete_schema_versions, [36](#)
- delete_security_config, [86](#)
- delete_security_configuration, [26, 36](#)
- delete_security_policy, [86](#)
- delete_session, [36](#)
- delete_stage, [53](#)
- delete_storage_configuration, [53](#)
- delete_stream, [68](#)
- delete_stream_key, [49](#)
- delete_studio, [26](#)
- delete_studio_session_mapping, [26](#)
- delete_subscription_grant, [18](#)
- delete_subscription_request, [18](#)
- delete_subscription_target, [18](#)
- delete_suggester, [9](#)
- delete_table, [36](#)
- delete_table_optimizer, [36](#)
- delete_table_version, [36](#)
- delete_template, [90](#)
- delete_template_alias, [90](#)
- delete_theme, [90](#)
- delete_theme_alias, [90](#)
- delete_thesaurus, [62](#)
- delete_time_series_data_points, [18](#)
- delete_topic, [90](#)
- delete_topic_refresh_schedule, [90](#)
- delete_trigger, [36](#)
- delete_usage_profile, [36](#)
- delete_user, [90](#)
- delete_user_by_principal_id, [90](#)
- delete_user_custom_permission, [90](#)
- delete_user_defined_function, [36](#)
- delete_vpc_connection, [56, 90](#)
- delete_vpc_endpoint, [23, 82, 86](#)
- delete_work_group, [5](#)
- delete_worker_block, [76](#)
- delete_worker_configuration, [59](#)
- delete_workflow, [36](#)
- deregister_stream_consumer, [68](#)
- describe_access_control_configuration, [62](#)
- describe_account_customization, [90](#)
- describe_account_settings, [90](#)
- describe_account_subscription, [90](#)
- describe_analysis, [90](#)
- describe_analysis_definition, [90](#)
- describe_analysis_permissions, [90](#)
- describe_analysis_schemes, [9](#)
- describe_application, [71, 74](#)
- describe_application_operation, [74](#)
- describe_application_snapshot, [74](#)
- describe_application_version, [74](#)
- describe_asset_bundle_export_job, [90](#)
- describe_asset_bundle_import_job, [90](#)
- describe_availability_options, [9](#)
- describe_brand, [90](#)
- describe_brand_assignment, [90](#)
- describe_brand_published_version, [90](#)
- describe_cluster, [26, 56](#)
- describe_cluster_operation, [56](#)
- describe_cluster_operation_v2, [56](#)
- describe_cluster_v2, [56](#)
- describe_configuration, [56](#)
- describe_configuration_revision, [56](#)
- describe_connection_type, [36](#)
- describe_connector, [59](#)
- describe_connector_operation, [59](#)
- describe_custom_permissions, [90](#)
- describe_custom_plugin, [59](#)
- describe_dashboard, [90](#)
- describe_dashboard_definition, [90](#)
- describe_dashboard_permissions, [90](#)
- describe_dashboard_snapshot_job, [90](#)
- describe_dashboard_snapshot_job_result, [90](#)

- describe_dashboards_qa_configuration, 90
- describe_data_set, 90
- describe_data_set_permissions, 90
- describe_data_set_refresh_properties, 90
- describe_data_source, 62, 90
- describe_data_source_permissions, 91
- describe_dataset, 42
- describe_default_q_business_application, 91
- describe_delivery_stream, 32
- describe_domain, 82
- describe_domain_auto_tunes, 23, 82
- describe_domain_change_progress, 23, 82
- describe_domain_config, 82
- describe_domain_endpoint_options, 9
- describe_domain_health, 82
- describe_domain_nodes, 82
- describe_domains, 9, 82
- describe_dry_run_progress, 82
- describe_elasticsearch_domain, 23
- describe_elasticsearch_domain_config, 23
- describe_elasticsearch_domains, 23
- describe_elasticsearch_instance_type_limits, 23
- describe_entity, 36
- describe_experience, 62
- describe_expressions, 9
- describe_faq, 62
- describe_featured_results_set, 62
- describe_fhir_datastore, 45
- describe_fhir_export_job, 45
- describe_fhir_import_job, 45
- describe_folder, 91
- describe_folder_permissions, 91
- describe_folder_resolved_permissions, 91
- describe_group, 91
- describe_group_membership, 91
- describe_iam_policy_assignment, 91
- describe_inbound_connections, 82
- describe_inbound_cross_cluster_search_connections, 23
- describe_inbound_integrations, 36
- describe_index, 62
- describe_index_fields, 9
- describe_ingestion, 91
- describe_instance_type_limits, 82
- describe_integrations, 36
- describe_ip_restriction, 91
- describe_job, 42
- describe_job_flows, 26
- describe_job_run, 42
- describe_key_registration, 91
- describe_limits, 68
- describe_namespace, 91
- describe_notebook_execution, 26
- describe_objects, 14
- describe_outbound_connections, 82
- describe_outbound_cross_cluster_search_connections, 23
- describe_packages, 23, 83
- describe_pipelines, 14
- describe_principal_mapping, 62
- describe_project, 42
- describe_q_personalization_configuration, 91
- describe_query_suggestions_block_list, 62
- describe_query_suggestions_config, 62
- describe_quick_sight_q_search_configuration, 91
- describe_recipe, 42
- describe_refresh_schedule, 91
- describe_release_label, 26
- describe_replicator, 56
- describe_rescore_execution_plan, 65
- describe_reserved_elasticsearch_instance_offerings, 23
- describe_reserved_elasticsearch_instances, 23
- describe_reserved_instance_offerings, 83
- describe_reserved_instances, 83
- describe_role_custom_permission, 91
- describe_ruleset, 42
- describe_scaling_parameters, 9
- describe_schedule, 43
- describe_security_configuration, 26
- describe_service_access_policies, 9
- describe_step, 26
- describe_stream, 68
- describe_stream_consumer, 68
- describe_stream_summary, 68

- describe_studio, [26](#)
- describe_suggesters, [9](#)
- describe_template, [91](#)
- describe_template_alias, [91](#)
- describe_template_definition, [91](#)
- describe_template_permissions, [91](#)
- describe_theme, [91](#)
- describe_theme_alias, [91](#)
- describe_theme_permissions, [91](#)
- describe_thesaurus, [62](#)
- describe_topic, [91](#)
- describe_topic_permissions, [91](#)
- describe_topic_refresh, [91](#)
- describe_topic_refresh_schedule, [91](#)
- describe_user, [91](#)
- describe_vpc_connection, [56](#), [91](#)
- describe_vpc_endpoints, [23](#), [83](#)
- describe_worker_configuration, [59](#)
- disable_enhanced_monitoring, [68](#)
- disassociate_entities_from_experience, [62](#)
- disassociate_environment_role, [18](#)
- disassociate_personas_from_entities, [62](#)
- disassociate_qualification_from_worker, [76](#)
- disconnect_participant, [53](#)
- discover_input_schema, [71](#), [74](#)
- dissociate_package, [23](#), [83](#)
- dissociate_packages, [83](#)
- elasticsearchservice, [20](#)
- emr, [24](#)
- enable_enhanced_monitoring, [68](#)
- entityresolution, [27](#)
- evaluate_expression, [14](#)
- export_notebook, [5](#)
- firehose, [30](#)
- generate_embed_url_for_anonymous_user, [91](#)
- generate_embed_url_for_registered_user, [91](#)
- generate_embed_url_for_registered_user_with_identity, [91](#)
- get_access_policy, [86](#)
- get_account_balance, [76](#)
- get_account_settings, [86](#)
- get_application, [83](#)
- get_asset, [18](#)
- get_asset_filter, [18](#)
- get_asset_type, [18](#)
- get_assignment, [76](#)
- get_auto_termination_policy, [26](#)
- get_block_public_access_configuration, [26](#)
- get_blueprint, [36](#)
- get_blueprint_run, [36](#)
- get_blueprint_runs, [36](#)
- get_bootstrap_brokers, [56](#)
- get_calculation_execution, [5](#)
- get_calculation_execution_code, [5](#)
- get_calculation_execution_status, [5](#)
- get_capacity_assignment_configuration, [5](#)
- get_capacity_reservation, [5](#)
- get_catalog, [36](#)
- get_catalog_import_status, [36](#)
- get_catalogs, [36](#)
- get_channel, [49](#)
- get_classifier, [36](#)
- get_classifiers, [36](#)
- get_cluster_policy, [56](#)
- get_cluster_session_credentials, [26](#)
- get_column_statistics_for_partition, [37](#)
- get_column_statistics_for_table, [37](#)
- get_column_statistics_task_run, [37](#)
- get_column_statistics_task_runs, [37](#)
- get_column_statistics_task_settings, [37](#)
- get_compatible_elasticsearch_versions, [23](#)
- get_compatible_kafka_versions, [56](#)
- get_compatible_versions, [83](#)
- get_composition, [53](#)
- get_connection, [18](#), [37](#)
- get_connections, [37](#)
- get_crawler, [37](#)
- get_crawler_metrics, [37](#)
- get_crawlers, [37](#)
- get_custom_entity_type, [37](#)
- get_dashboard_embed_url, [91](#)
- get_data_catalog, [5](#)
- get_data_catalog_encryption_settings, [37](#)

`get_data_product`, 18
`get_data_quality_model`, 37
`get_data_quality_model_result`, 37
`get_data_quality_result`, 37
`get_data_quality_rule_recommendation_run`, 37
`get_data_quality_ruleset`, 37
`get_data_quality_ruleset_evaluation_run`, 37
`get_data_source`, 18, 83
`get_data_source_run`, 18
`get_database`, 5, 37
`get_databases`, 37
`get_dataflow_graph`, 37
`get_dev_endpoint`, 37
`get_dev_endpoints`, 37
`get_direct_query_data_source`, 83
`get_domain`, 18
`get_domain_maintenance_status`, 83
`get_domain_unit`, 18
`get_encoder_configuration`, 53
`get_entity_records`, 37
`get_environment`, 18
`get_environment_action`, 18
`get_environment_blueprint`, 18
`get_environment_blueprint_configuration`, 18
`get_environment_credentials`, 18
`get_environment_profile`, 18
`get_file_upload_url`, 76
`get_form_type`, 18
`get_glossary`, 18
`get_glossary_term`, 18
`get_group_profile`, 18
`get_hit`, 76
`get_iam_portal_login_url`, 18
`get_id_mapping_job`, 29
`get_id_mapping_workflow`, 29
`get_id_namespace`, 30
`get_ingest_configuration`, 53
`get_integration_resource_property`, 37
`get_integration_table_properties`, 37
`get_job`, 37
`get_job_bookmark`, 37
`get_job_run`, 18, 37
`get_job_runs`, 37
`get_jobs`, 37
`get_lineage_event`, 18
`get_lineage_node`, 18
`get_listing`, 18
`get_managed_scaling_policy`, 26
`get_mapping`, 37
`get_match_id`, 30
`get_matching_job`, 30
`get_matching_workflow`, 30
`get_metadata_generation_run`, 18
`get_ml_task_run`, 37
`get_ml_task_runs`, 37
`get_ml_transform`, 37
`get_ml_transforms`, 37
`get_named_query`, 5
`get_notebook_metadata`, 5
`get_package_version_history`, 23, 83
`get_participant`, 53
`get_partition`, 37
`get_partition_indexes`, 37
`get_partitions`, 37
`get_pipeline`, 79
`get_pipeline_blueprint`, 79
`get_pipeline_change_progress`, 79
`get_pipeline_definition`, 14
`get_plan`, 37
`get_playback_key_pair`, 50
`get_playback_restriction_policy`, 50
`get_policies_stats`, 86
`get_policy`, 30
`get_prepared_statement`, 5
`get_project`, 18
`get_project_profile`, 18
`get_provider_service`, 30
`get_public_key`, 53
`get_qualification_score`, 76
`get_qualification_type`, 76
`get_query_execution`, 5
`get_query_results`, 5
`get_query_runtime_statistics`, 5
`get_query_suggestions`, 62
`get_recording_configuration`, 50
`get_records`, 68
`get_registry`, 37
`get_resource_policies`, 37
`get_resource_policy`, 37, 68
`get_rule`, 18
`get_schema`, 37
`get_schema_by_definition`, 37
`get_schema_mapping`, 30

get_schema_version, 37
get_schema_versions_diff, 37
get_security_config, 86
get_security_configuration, 37
get_security_configurations, 38
get_security_policy, 86
get_session, 6, 38
get_session_embed_url, 91
get_session_status, 6
get_shard_iterator, 68
get_snapshots, 62
get_stage, 53
get_stage_session, 53
get_statement, 38
get_storage_configuration, 53
get_stream, 50
get_stream_key, 50
get_stream_session, 50
get_studio_session_mapping, 26
get_subscription, 18
get_subscription_grant, 18
get_subscription_request_details, 19
get_subscription_target, 19
get_table, 38
get_table_metadata, 6
get_table_optimizer, 38
get_table_version, 38
get_table_versions, 38
get_tables, 38
get_tags, 38
get_time_series_data_point, 19
get_trigger, 38
get_triggers, 38
get_unfiltered_partition_metadata, 38
get_unfiltered_partitions_metadata, 38
get_unfiltered_table_metadata, 38
get_upgrade_history, 23, 83
get_upgrade_status, 23, 83
get_usage_profile, 38
get_user_defined_function, 38
get_user_defined_functions, 38
get_user_profile, 19
get_work_group, 6
get_workflow, 38
get_workflow_run, 38
get_workflow_run_properties, 38
get_workflow_runs, 38
glue, 33
gluedatabrew, 40
healthlake, 43
import_catalog_to_glue, 38
import_notebook, 6
import_playback_key_pair, 50
import_public_key, 53
increase_stream_retention_period, 68
index_documents, 9
ivs, 46
ivsrealtime, 50
kafka, 54
kafkaconnect, 57
kendra, 60
kendraraning, 63
kinesis, 66
kinesisanalytics, 69
kinesisanalyticsv2, 71
list_access_control_configurations, 62
list_access_policies, 86
list_analyses, 91
list_application_dpu_sizes, 6
list_application_operations, 74
list_application_snapshots, 74
list_application_versions, 74
list_applications, 71, 74, 83
list_asset_bundle_export_jobs, 91
list_asset_bundle_import_jobs, 91
list_asset_filters, 19
list_asset_revisions, 19
list_assignments_for_hit, 76
list_blueprints, 38
list_bonus_payments, 77
list_bootstrap_actions, 26
list_brands, 91
list_calculation_executions, 6
list_capacity_reservations, 6
list_channels, 50
list_client_vpc_connections, 56
list_cluster_operations, 56
list_cluster_operations_v2, 56
list_clusters, 26, 56
list_clusters_v2, 56
list_collections, 86
list_column_statistics_task_runs, 38
list_compositions, 53

list_configuration_revisions, 56
list_configurations, 56
list_connection_types, 38
list_connections, 19
list_connector_operations, 59
list_connectors, 59
list_crawlers, 38
list_crawls, 38
list_custom_entity_types, 38
list_custom_permissions, 91
list_custom_plugins, 59
list_dashboard_versions, 91
list_dashboards, 91
list_data_catalogs, 6
list_data_product_revisions, 19
list_data_quality_results, 38
list_data_quality_rule_recommendation_runs, 38
list_data_quality_ruleset_evaluation_runs, 38
list_data_quality_rulesets, 38
list_data_quality_statistic_annotations, 38
list_data_quality_statistics, 38
list_data_sets, 91
list_data_source_run_activities, 19
list_data_source_runs, 19
list_data_source_sync_jobs, 62
list_data_sources, 19, 62, 83, 91
list_databases, 6
list_datasets, 43
list_delivery_streams, 32
list_dev_endpoints, 38
list_direct_query_data_sources, 83
list_domain_maintenances, 83
list_domain_names, 9, 23, 83
list_domain_units_for_parent, 19
list_domains, 19
list_domains_for_package, 23, 83
list_elasticsearch_instance_types, 23
list_elasticsearch_versions, 23
list_encoder_configurations, 53
list_engine_versions, 6
list_entities, 38
list_entity_owners, 19
list_entity_personas, 62
list_environment_actions, 19
list_environment_blueprint_configurations, 19
list_environment_blueprints, 19
list_environment_profiles, 19
list_environments, 19
list_executors, 6
list_experience_entities, 62
list_experiences, 62
list_faqs, 62
list_featured_results_sets, 62
list_fhir_datastores, 45
list_fhir_export_jobs, 45
list_fhir_import_jobs, 45
list_folder_members, 91
list_folders, 91
list_folders_for_resource, 91
list_group_memberships, 91
list_groups, 91
list_groups_older_than_ordering_id, 62
list_hi_ts, 77
list_hi_ts_for_qualification_type, 77
list_iam_policy_assignments, 92
list_iam_policy_assignments_for_user, 92
list_id_mapping_jobs, 30
list_id_mapping_workflows, 30
list_id_namespaces, 30
list_identity_propagation_configs, 92
list_indices, 63
list_ingest_configurations, 53
list_ingestions, 92
list_instance_fleets, 26
list_instance_groups, 26
list_instance_type_details, 83
list_instances, 26
list_job_runs, 19, 43
list_jobs, 38, 43
list_kafka_versions, 56
list_lifecycle_policies, 86
list_lineage_events, 19
list_lineage_node_history, 19
list_matching_jobs, 30
list_matching_workflows, 30
list_metadata_generation_runs, 19
list_ml_transforms, 38
list_named_queries, 6
list_namespaces, 92
list_nodes, 56
list_notebook_executions, 26

list_notebook_metadata, 6
list_notebook_sessions, 6
list_notifications, 19
list_packages_for_domain, 23, 83
list_participant_events, 53
list_participants, 53
list_pipeline_blueprints, 79
list_pipelines, 14, 79
list_playback_key_pairs, 50
list_playback_restriction_policies, 50
list_policy_grants, 19
list_prepared_statements, 6
list_project_memberships, 19
list_project_profiles, 19
list_projects, 19, 43
list_provider_services, 30
list_public_keys, 53
list_qualification_requests, 77
list_qualification_types, 77
list_query_executions, 6
list_query_suggestions_block_lists, 63
list_recipe_versions, 43
list_recipes, 43
list_recording_configurations, 50
list_refresh_schedules, 92
list_registries, 38
list_release_labels, 26
list_replicators, 56
list_rescore_execution_plans, 65
list_review_policy_results_for_hit, 77
list_reviewable_hits, 77
list_role_memberships, 92
list_rules, 19
list_rulesets, 43
list_scheduled_actions, 83
list_schedules, 43
list_schema_mappings, 30
list_schema_versions, 38
list_schemas, 38
list_scram_secrets, 56
list_security_configs, 86
list_security_configurations, 26
list_security_policies, 86
list_sessions, 6, 38
list_shards, 68
list_stage_sessions, 53
list_stages, 53
list_statements, 38
list_steps, 26
list_storage_configurations, 53
list_stream_consumers, 68
list_stream_keys, 50
list_stream_sessions, 50
list_streams, 50, 68
list_studio_session_mappings, 26
list_studios, 26
list_subscription_grants, 19
list_subscription_requests, 19
list_subscription_targets, 19
list_subscriptions, 19
list_supported_instance_types, 26
list_table_metadata, 6
list_table_optimizer_runs, 38
list_tags, 23, 83
list_tags_for_delivery_stream, 32
list_tags_for_resource, 6, 19, 30, 43, 45,
47, 50, 51, 53, 56, 59, 63, 65, 71, 74,
79, 86, 92
list_tags_for_stream, 68
list_template_aliases, 92
list_template_versions, 92
list_templates, 92
list_theme_aliases, 92
list_theme_versions, 92
list_themes, 92
list_thesauri, 63
list_time_series_data_points, 19
list_topic_refresh_schedules, 92
list_topic_reviewed_answers, 92
list_topics, 92
list_triggers, 38
list_usage_profiles, 38
list_user_groups, 92
list_users, 92
list_versions, 83
list_vpc_connections, 56, 92
list_vpc_endpoint_access, 23, 83
list_vpc_endpoints, 23, 83, 86
list_vpc_endpoints_for_domain, 23, 83
list_work_groups, 6
list_worker_blocks, 77
list_worker_configurations, 59
list_workers_with_qualification_type,
77
list_workflows, 38
merge_shards, 68

- modify_cluster, 26
- modify_instance_fleet, 26
- modify_instance_groups, 26
- modify_integration, 38
- mturk, 74
- notify_workers, 77
- opensearchingestion, 77
- opensearchservice, 80
- opensearchserviceserverless, 84
- poll_for_task, 14
- post_lineage_event, 19
- post_time_series_data_points, 19
- predict_qa_results, 92
- publish_recipe, 43
- purchase_reserved_elasticsearch_instance_offering, 23
- purchase_reserved_instance_offering, 83
- put_auto_scaling_policy, 26
- put_auto_termination_policy, 26
- put_block_public_access_configuration, 26
- put_capacity_assignment_configuration, 6
- put_cluster_policy, 56
- put_data_catalog_encryption_settings, 39
- put_data_quality_profile_annotation, 39
- put_data_set_refresh_properties, 92
- put_environment_blueprint_configuration, 19
- put_managed_scaling_policy, 26
- put_metadata, 50
- put_pipeline_definition, 14
- put_policy, 30
- put_principal_mapping, 63
- put_record, 32, 68
- put_record_batch, 32
- put_records, 68
- put_resource_policy, 39, 68
- put_schema_version_metadata, 39
- put_workflow_run_properties, 39
- query, 63
- query_objects, 14
- query_schema_version_metadata, 39
- quicksight, 87
- reboot_broker, 56
- register_schema_version, 39
- register_stream_consumer, 68
- register_user, 92
- reject_assignment, 77
- reject_client_vpc_connection, 57
- reject_inbound_connection, 83
- reject_inbound_cross_cluster_search_connection, 23
- reject_predictions, 19
- reject_qualification_request, 77
- reject_subscription_request, 19
- remove_auto_scaling_policy, 26
- remove_auto_termination_policy, 26
- remove_entity_owner, 19
- remove_managed_scaling_policy, 26
- remove_policy_grant, 19
- remove_schema_version_metadata, 39
- remove_tags, 14, 23, 26, 83
- remove_tags_from_stream, 68
- report_task_progress, 14
- report_task_runner_heartbeat, 14
- rescore, 65
- reset_job_bookmark, 39
- restore_analysis, 92
- resume_workflow_run, 39
- retrieve, 63
- revoke_subscription, 19
- revoke_vpc_endpoint_access, 23, 83
- rollback_application, 74
- run_job_flow, 27
- run_statement, 39
- search, 10, 12, 19
- search_analyses, 92
- search_dashboards, 92
- search_data_sets, 92
- search_data_sources, 92
- search_folders, 92
- search_group_profiles, 19
- search_groups, 92
- search_listings, 19
- search_tables, 39
- search_topics, 92
- search_types, 19
- search_user_profiles, 19

- send_bonus, 77
- send_project_session_action, 43
- send_test_event_notification, 77
- set_keep_job_flow_alive_when_no_steps, 27
- set_status, 14
- set_task_status, 14
- set_termination_protection, 27
- set_unhealthy_node_replacement, 27
- set_visible_to_all_users, 27
- split_shard, 68
- start_application, 71, 74
- start_asset_bundle_export_job, 92
- start_asset_bundle_import_job, 92
- start_blueprint_run, 39
- start_calculation_execution, 6
- start_column_statistics_task_run, 39
- start_column_statistics_task_run_schedule, 39
- start_composition, 53
- start_crawler, 39
- start_crawler_schedule, 39
- start_dashboard_snapshot_job, 92
- start_dashboard_snapshot_job_schedule, 92
- start_data_quality_rule_recommendation_run, 39
- start_data_quality_ruleset_evaluation_run, 39
- start_data_source_run, 20
- start_data_source_sync_job, 63
- start_delivery_stream_encryption, 32
- start_domain_maintenance, 83
- start_elasticsearch_service_software_update, 23
- start_export_labels_task_run, 39
- start_fhir_export_job, 45
- start_fhir_import_job, 45
- start_id_mapping_job, 30
- start_import_labels_task_run, 39
- start_job_run, 39, 43
- start_matching_job, 30
- start_metadata_generation_run, 20
- start_ml_evaluation_task_run, 39
- start_ml_labeling_set_generation_task_run, 39
- start_notebook_execution, 27
- start_pipeline, 79
- start_project_session, 43
- start_query_execution, 6
- start_service_software_update, 83
- start_session, 6
- start_stream_encryption, 68
- start_trigger, 39
- start_viewer_session_revocation, 50
- start_workflow_run, 39
- stop_application, 71, 74
- stop_calculation_execution, 6
- stop_column_statistics_task_run, 39
- stop_column_statistics_task_run_schedule, 39
- stop_composition, 54
- stop_crawler, 39
- stop_crawler_schedule, 39
- stop_data_source_sync_job, 63
- stop_delivery_stream_encryption, 32
- stop_job_run, 43
- stop_notebook_execution, 27
- stop_pipeline, 79
- stop_query_execution, 6
- stop_session, 39
- stop_stream, 50
- stop_stream_encryption, 68
- stop_trigger, 39
- stop_workflow_run, 39
- submit_feedback, 63
- subscribe_to_shard, 68
- suggest, 10, 12
- tag_delivery_stream, 32
- tag_resource, 6, 20, 30, 39, 43, 45, 47, 50, 51, 54, 57, 59, 63, 65, 71, 74, 79, 86, 92
- terminate_job_flows, 27
- terminate_session, 6
- test_connection, 39
- untag_delivery_stream, 32
- untag_resource, 6, 20, 30, 39, 43, 45, 47, 50, 51, 54, 57, 59, 63, 65, 71, 74, 79, 86, 92
- update_access_control_configuration, 63
- update_access_policy, 86
- update_account_customization, 92
- update_account_settings, 86, 92
- update_analysis, 92

- update_analysis_permissions, 92
- update_application, 71, 74, 83
- update_application_maintenance_configuration, 74
- update_application_with_token_exchange_grant, 92
- update_asset_filter, 20
- update_availability_options, 9
- update_blueprint, 39
- update_brand, 92
- update_brand_assignment, 92
- update_brand_published_version, 92
- update_broker_count, 57
- update_broker_storage, 57
- update_broker_type, 57
- update_capacity_reservation, 6
- update_catalog, 39
- update_channel, 50
- update_classifier, 39
- update_cluster_configuration, 57
- update_cluster_kafka_version, 57
- update_collection, 86
- update_column_statistics_for_partition, 39
- update_column_statistics_for_table, 39
- update_column_statistics_task_settings, 39
- update_configuration, 57
- update_connection, 20, 39
- update_connectivity, 57
- update_connector, 59
- update_crawler, 39
- update_crawler_schedule, 39
- update_custom_permissions, 92
- update_dashboard, 92
- update_dashboard_links, 92
- update_dashboard_permissions, 93
- update_dashboard_published_version, 93
- update_dashboards_qa_configuration, 93
- update_data_catalog, 6
- update_data_quality_ruleset, 39
- update_data_set, 93
- update_data_set_permissions, 93
- update_data_source, 20, 63, 83, 93
- update_data_source_permissions, 93
- update_database, 39
- update_dataset, 43
- update_default_q_business_application, 93
- update_destination, 32
- update_dev_endpoint, 39
- update_direct_query_data_source, 83
- update_domain, 20
- update_domain_config, 83
- update_domain_endpoint_options, 9
- update_domain_unit, 20
- update_elasticsearch_domain_config, 23
- update_environment, 20
- update_environment_action, 20
- update_environment_profile, 20
- update_experience, 63
- update_expiration_for_hit, 77
- update_featured_results_set, 63
- update_folder, 93
- update_folder_permissions, 93
- update_glossary, 20
- update_glossary_term, 20
- update_group, 93
- update_group_profile, 20
- update_hit_review_status, 77
- update_hit_type_of_hit, 77
- update_iam_policy_assignment, 93
- update_id_mapping_workflow, 30
- update_id_namespace, 30
- update_identity_propagation_config, 93
- update_index, 63
- update_ingest_configuration, 54
- update_integration_resource_property, 40
- update_integration_table_properties, 40
- update_ip_restriction, 93
- update_job, 40
- update_job_from_source_control, 40
- update_key_registration, 93
- update_lifecycle_policy, 86
- update_matching_workflow, 30
- update_ml_transform, 40
- update_monitoring, 57
- update_named_query, 6
- update_notebook, 6
- update_notebook_metadata, 6
- update_notification_settings, 77
- update_package, 23, 83
- update_package_scope, 83
- update_partition, 40

update_pipeline, 79
update_playback_restriction_policy, 50
update_prepared_statement, 6
update_profile_job, 43
update_project, 20, 43
update_project_profile, 20
update_public_sharing_settings, 93
update_q_personalization_configuration, 93
update_qualification_type, 77
update_query_suggestions_block_list, 63
update_query_suggestions_config, 63
update_quick_sight_q_search_configuration, 93
update_recipe, 43
update_recipe_job, 43
update_refresh_schedule, 93
update_registry, 40
update_replication_info, 57
update_rescore_execution_plan, 65
update_role_custom_permission, 93
update_rule, 20
update_ruleset, 43
update_scaling_parameters, 9
update_schedule, 43
update_scheduled_action, 83
update_schema, 40
update_schema_mapping, 30
update_security, 57
update_security_config, 86
update_security_policy, 86
update_service_access_policies, 9
update_shard_count, 68
update_source_control_from_job, 40
update_spice_capacity_configuration, 93
update_stage, 54
update_storage, 57
update_stream_mode, 68
update_studio, 27
update_studio_session_mapping, 27
update_subscription_grant_status, 20
update_subscription_request, 20
update_subscription_target, 20
update_table, 40
update_table_optimizer, 40
update_template, 93
update_template_alias, 93
update_template_permissions, 93
update_theme, 93
update_theme_alias, 93
update_theme_permissions, 93
update_thesaurus, 63
update_topic, 93
update_topic_permissions, 93
update_topic_refresh_schedule, 93
update_trigger, 40
update_usage_profile, 40
update_user, 93
update_user_custom_permission, 93
update_user_defined_function, 40
update_user_profile, 20
update_vpc_connection, 93
update_vpc_endpoint, 23, 83, 87
update_work_group, 6
update_workflow, 40
upgrade_domain, 83
upgrade_elasticsearch_domain, 23
upload_documents, 10, 12
validate_pipeline, 80
validate_pipeline_definition, 14