

Package: paws.analytics (via r-universe)

October 28, 2026

Title 'Amazon Web Services' Analytics Services

Version 0.11.0

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>,
<https://www.paws-r-sdk.com>

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

Depends R (>= 3.5.0)

Imports paws.common (>= 0.9.0)

Suggests testthat

Encoding UTF-8

Roxygen list(markdown = TRUE, roclets = c("`rd", `` namespace", `` collate"))

Config/roxygen2/version 8.1.0

Collate 'athena_service.R' 'athena_interfaces.R' 'athena_operations.R'
'cloudsearch_service.R' 'cloudsearch_interfaces.R'
'cloudsearch_operations.R' 'cloudsearchdomain_service.R'
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 'opensearchserviceserverless_operations.R'
 'quicksight_service.R' 'quicksight_interfaces.R'
 'quicksight_operations.R' 'reexports_paws.common.R'

Config/pak/sysreqs libxml2-dev libssl-dev

Repository <https://paws-r.r-universe.dev>

Date/Publication 2026-10-28 19:14:01 UTC

RemoteUrl <https://github.com/paws-r/paws>

RemoteRef HEAD

RemoteSha 1341bca0616aa9ee814720f471634b968e45e133

RemoteSubdir cran/paws.analytics

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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:**

	<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 • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
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 <- 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",
use_dual_stack = "logical"
),
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](#)
[batch_get_prepared_statement](#)
[batch_get_query_execution](#)
[cancel_capacity_reservation](#)
[create_capacity_reservation](#)
[create_data_catalog](#)
[create_named_query](#)
[create_notebook](#)
[create_prepared_statement](#)
[create_presigned_notebook_url](#)
[create_work_group](#)
[delete_capacity_reservation](#)
[delete_data_catalog](#)
[delete_named_query](#)
[delete_notebook](#)
[delete_prepared_statement](#)
[delete_work_group](#)
[export_notebook](#)
[get_calculation_execution](#)
[get_calculation_execution_code](#)

Returns the details of a single named query or a list of up to 50 queries, which you p
 Returns the details of a single prepared statement or a list of up to 256 prepared stat
 Returns the details of a single query execution or a list of up to 50 query executions
 Cancels the capacity reservation with the specified name
 Creates a capacity reservation with the specified name and number of requested dat
 Creates (registers) a data catalog with the specified name and properties
 Creates a named query in the specified workgroup
 Creates an empty ipynb file in the specified Apache Spark enabled workgroup
 Creates a prepared statement for use with SQL queries in Athena
 Gets an authentication token and the URL at which the notebook can be accessed
 Creates a workgroup with the specified name
 Deletes a cancelled capacity reservation
 Deletes a data catalog
 Deletes the named query if you have access to the workgroup in which the query w
 Deletes the specified notebook
 Deletes the prepared statement with the specified name from the specified workgrou
 Deletes the workgroup with the specified name
 Exports the specified notebook and its metadata
 Describes a previously submitted calculation execution
 Retrieves the unencrypted code that was executed for the calculation

<code>get_calculation_execution_status</code>	Gets the status of a current calculation
<code>get_capacity_assignment_configuration</code>	Gets the capacity assignment configuration for a capacity reservation, if one exists
<code>get_capacity_reservation</code>	Returns information about the capacity reservation with the specified name
<code>get_database</code>	Returns a database object for the specified database and data catalog
<code>get_data_catalog</code>	Returns the specified data catalog
<code>get_named_query</code>	Returns information about a single query
<code>get_notebook_metadata</code>	Retrieves notebook metadata for the specified notebook ID
<code>get_prepared_statement</code>	Retrieves the prepared statement with the specified name from the specified workgroup
<code>get_query_execution</code>	Returns information about a single execution of a query if you have access to the workgroup
<code>get_query_results</code>	Streams the results of a single query execution specified by QueryExecutionId from the specified workgroup
<code>get_query_runtime_statistics</code>	Returns query execution runtime statistics related to a single execution of a query if you have access to the workgroup
<code>get_resource_dashboard</code>	Gets the Live UI/Persistence UI for a session
<code>get_session</code>	Gets the full details of a previously created session, including the session status and session ID
<code>get_session_endpoint</code>	Gets a connection endpoint and authentication token for a given session ID
<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, Telemetria)
<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 Aurora engine
<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 workgroup
<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 in an active state
<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 workgroup
<code>list_sessions</code>	Lists the sessions in a workgroup that are in an active state like CREATING, CREATING_SESSION, or CREATING_QUERY
<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	<i>Amazon CloudSearch</i>
-------------	---------------------------

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

	<ul style="list-style-type: none"> * 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 • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
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",
    use_dual_stack = "logical"
),
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 must be made over SSL.
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 endpoints.

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

	<ul style="list-style-type: none"> * 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 • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
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 <- 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",
    use_dual_stack = "logical"
),
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)

```

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 | <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>. |
|--------|--|

	<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 • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the AWS_USE_DUALSTACK_ENDPOINT environment variable when unset.
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 <- 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",
    use_dual_stack = "logical"
  ),
  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 service
set_task_status	Task runners call SetTaskStatus to notify AWS Data Pipeline that a task is completed and provide feedback
validate_pipeline_definition	Validates the specified pipeline definition to ensure that it is well formed and can be run without errors

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`.

- **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>

- **use_dual_stack:** Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the `AWS_USE_DUALSTACK_ENDPOINT` environment variable when unset.

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 <- 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",
    use_dual_stack = "logical"
  ),
  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>accept_predictions</code>	Accepts automatically generated business-friendly metadata for your Amazon
<code>accept_subscription_request</code>	Accepts a subscription request to a specific asset
<code>add_entity_owner</code>	Adds the owner of an entity (a domain unit)
<code>add_policy_grant</code>	Adds a policy grant (an authorization policy) to a specified entity, including do
<code>associate_environment_role</code>	Associates the environment role in Amazon DataZone
<code>associate_governed_terms</code>	Associates governed terms with an asset
<code>batch_get_attributes_metadata</code>	Gets the attribute metadata
<code>batch_put_attributes_metadata</code>	Writes the attribute metadata
<code>cancel_metadata_generation_run</code>	Cancels the metadata generation run
<code>cancel_subscription</code>	Cancels the subscription to the specified asset
<code>create_account_pool</code>	Creates an account pool
<code>create_asset</code>	Creates an asset in Amazon DataZone catalog
<code>create_asset_filter</code>	Creates a data asset filter
<code>create_asset_revision</code>	Creates a revision of the asset
<code>create_asset_type</code>	Creates a custom asset type
<code>create_connection</code>	Creates a new connection
<code>create_data_product</code>	Creates a data product
<code>create_data_product_revision</code>	Creates a data product revision
<code>create_data_source</code>	Creates an Amazon DataZone data source
<code>create_domain</code>	Creates an Amazon DataZone domain
<code>create_domain_unit</code>	Creates a domain unit in Amazon DataZone
<code>create_environment</code>	Create an Amazon DataZone environment
<code>create_environment_action</code>	Creates an action for the environment, for example, creates a console link for a
<code>create_environment_blueprint</code>	Creates a Amazon DataZone blueprint
<code>create_environment_profile</code>	Creates an Amazon DataZone environment profile
<code>create_form_type</code>	Creates a metadata form type
<code>create_glossary</code>	Creates an Amazon DataZone business glossary
<code>create_glossary_term</code>	Creates a business glossary term
<code>create_group_profile</code>	Creates a group profile in Amazon DataZone
<code>create_listing_change_set</code>	Publishes a listing (a record of an asset at a given time) or removes a listing fro
<code>create_notebook</code>	Creates a notebook in Amazon SageMaker Unified Studio
<code>create_project</code>	Creates an Amazon DataZone project
<code>create_project_membership</code>	Creates a project membership in Amazon DataZone
<code>create_project_profile</code>	Creates a project profile
<code>create_rule</code>	Creates a rule in Amazon DataZone
<code>create_subscription_grant</code>	Creates a subsscription grant in Amazon DataZone
<code>create_subscription_request</code>	Creates a subscription request in Amazon DataZone
<code>create_subscription_target</code>	Creates a subscription target in Amazon DataZone
<code>create_user_profile</code>	Creates a user profile in Amazon DataZone
<code>delete_account_pool</code>	Deletes an account pool
<code>delete_asset</code>	Deletes an asset in Amazon DataZone
<code>delete_asset_filter</code>	Deletes an asset filter
<code>delete_asset_type</code>	Deletes an asset type in Amazon DataZone
<code>delete_connection</code>	Deletes and connection
<code>delete_data_export_configuration</code>	Deletes data export configuration for a domain
<code>delete_data_product</code>	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	Deletes a blueprint in Amazon DataZone
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_lineage_event	Deletes the specified lineage event
delete_listing	Deletes a listing (a record of an asset at a given time)
delete_notebook	Deletes a notebook in Amazon SageMaker Unified Studio
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
disassociate_governed_terms	Disassociates restricted terms from an asset
get_account_pool	Gets the details of the account pool
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_export_configuration	Gets data export configuration details
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_notebook	Gets the details of a notebook in Amazon SageMaker Unified Studio
get_notebook_export	Gets the details of a notebook export in Amazon SageMaker Unified Studio
get_notebook_run	Gets the details of a notebook run in Amazon SageMaker Unified Studio
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_account_pools	Lists existing account pools
list_accounts_in_account_pool	Lists the accounts in the specified account pool
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_notebook_runs	Lists notebook runs in Amazon SageMaker Unified Studio
list_notebooks	Lists notebooks in Amazon SageMaker Unified Studio
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

<code>list_tags_for_resource</code>	Lists tags for the specified resource in Amazon DataZone
<code>list_time_series_data_points</code>	Lists time series data points
<code>post_lineage_event</code>	Posts a data lineage event
<code>post_time_series_data_points</code>	Posts time series data points to Amazon DataZone for the specified asset
<code>put_data_export_configuration</code>	Creates data export configuration details
<code>put_environment_blueprint_configuration</code>	Writes the configuration for the specified environment blueprint in Amazon DataZone
<code>query_graph</code>	Queries entities in the graph store
<code>reject_predictions</code>	Rejects automatically generated business-friendly metadata for your Amazon DataZone
<code>reject_subscription_request</code>	Rejects the specified subscription request
<code>remove_entity_owner</code>	Removes an owner from an entity
<code>remove_policy_grant</code>	Removes a policy grant
<code>revoke_subscription</code>	Revokes a specified subscription in Amazon DataZone
<code>search</code>	Searches for assets in Amazon DataZone
<code>search_group_profiles</code>	Searches group profiles in Amazon DataZone
<code>search_listings</code>	Searches listings in Amazon DataZone
<code>search_types</code>	Searches for types in Amazon DataZone
<code>search_user_profiles</code>	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>start_notebook_export</code>	Starts a notebook export in Amazon SageMaker Unified Studio
<code>start_notebook_import</code>	Starts a notebook import in Amazon SageMaker Unified Studio
<code>start_notebook_run</code>	Starts a notebook run in Amazon SageMaker Unified Studio
<code>start_notebook_sync</code>	Starts a notebook sync in Amazon SageMaker Unified Studio
<code>stop_notebook_run</code>	Stops a running notebook run in Amazon SageMaker Unified Studio
<code>tag_resource</code>	Tags a resource in Amazon DataZone
<code>untag_resource</code>	Untags a resource in Amazon DataZone
<code>update_account_pool</code>	Updates the account pool
<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_blueprint</code>	Updates an environment blueprint in Amazon DataZone
<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_notebook</code>	Updates a notebook in Amazon SageMaker Unified Studio
<code>update_project</code>	Updates the specified project in Amazon DataZone
<code>update_project_profile</code>	Updates a project profile
<code>update_root_domain_unit_owner</code>	Updates the owner of the root domain unit
<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

`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

	<ul style="list-style-type: none"> – 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 • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
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 <- 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",
    use_dual_stack = "logical"
  ),
  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](#)
[create_package](#)
[create_vpc_endpoint](#)
[delete_elasticsearch_domain](#)
[delete_elasticsearch_service_role](#)
[delete_inbound_cross_cluster_search_connection](#)
[delete_outbound_cross_cluster_search_connection](#)
[delete_package](#)
[delete_vpc_endpoint](#)
[describe_domain_auto_tunes](#)
[describe_domain_change_progress](#)
[describe_elasticsearch_domain](#)
[describe_elasticsearch_domain_config](#)
[describe_elasticsearch_domains](#)
[describe_elasticsearch_instance_type_limits](#)
[describe_inbound_cross_cluster_search_connections](#)
[describe_outbound_cross_cluster_search_connections](#)

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 to a destination domain
 Create a package for use with Amazon ES domains
 Creates an Amazon OpenSearch Service-managed VPC endpoint
 Permanently deletes the specified Elasticsearch domain and all of its associated resources
 Deletes the service-linked role that Elasticsearch Service uses to manage domain configuration changes
 Allows the destination domain owner to delete an existing inbound cross-cluster search connection
 Allows the source domain owner to delete an existing outbound cross-cluster search connection
 Delete the package
 Deletes an Amazon OpenSearch Service-managed interface VPC endpoint
 Provides scheduled Auto-Tune action details for the Elasticsearch domain
 Returns information about the current blue/green deployment happening on the specified Elasticsearch domain
 Returns domain configuration information about the specified Elasticsearch domain
 Provides cluster configuration information about the specified Elasticsearch domain
 Returns domain configuration information about the specified Elasticsearch domain
 Describe Elasticsearch Limits for a given InstanceType and Elasticsearch Version
 Lists all the inbound cross-cluster search connections for a destination domain
 Lists all the outbound cross-cluster search connections for a source domain

<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 account
<code>describe_vpc_endpoints</code>	Describes one or more Amazon OpenSearch Service-managed VPC endpoints
<code>dissociate_package</code>	Dissociates a package from the Amazon ES domain
<code>get_compatible_elasticsearch_versions</code>	Returns a list of upgrade compatible Elasticsearch versions
<code>get_package_version_history</code>	Returns a list of versions of the package, along with their creation time
<code>get_upgrade_history</code>	Retrieves the complete history of the last 10 upgrades that were performed
<code>get_upgrade_status</code>	Retrieves the latest status of the last upgrade or upgrade eligibility check
<code>list_domain_names</code>	Returns the name of all Elasticsearch domains owned by the current user
<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 Elasticsearch version
<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 VPC endpoint
<code>list_vpc_endpoints</code>	Retrieves all Amazon OpenSearch Service-managed VPC endpoints in the domain
<code>list_vpc_endpoints_for_domain</code>	Retrieves all Amazon OpenSearch Service-managed VPC endpoints for the domain
<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-cluster search connection
<code>remove_tags</code>	Removes the specified set of tags from the specified Elasticsearch domain
<code>revoke_vpc_endpoint_access</code>	Revokes access to an Amazon OpenSearch Service domain that was previously granted
<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 domain
<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 endpoint
<code>upgrade_elasticsearch_domain</code>	Allows you to either upgrade your domain or perform an Upgrade eligibility check

Examples

```
## Not run:
svc <- elasticsearchservice()
svc$accept_inbound_cross_cluster_search_connection(
  Foo = 123
)

## End(Not run)
```

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	<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 • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
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 <- 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",
    use_dual_stack = "logical"
  ),
  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_instance_fleet](#)
[add_instance_groups](#)
[add_job_flow_steps](#)
[add_tags](#)
[cancel_steps](#)
[create_persistent_app_ui](#)
[create_security_configuration](#)

Adds an instance fleet to a running cluster
 Adds one or more instance groups to a running cluster
 AddJobFlowSteps adds new steps to a running cluster
 Adds tags to an Amazon EMR resource, such as a cluster or an Amazon EMR Studio instance
 Cancels a pending step or steps in a running cluster
 Creates a persistent application user interface
 Creates a security configuration, which is stored in the service and can be specified in a cluster configuration

<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 session
<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_persistent_app_ui</code>	Describes a persistent application user interface
<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, Subnet, and IAM role
<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_on_cluster_app_ui_presigned_url</code>	The presigned URL properties for the cluster's application user interface
<code>get_persistent_app_ui_presigned_url</code>	The presigned URL properties for the cluster's application user interface
<code>get_session</code>	Returns detailed information about a session
<code>get_session_endpoint</code>	Returns the Spark Connect endpoint URL and a time-limited authentication token
<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 fleets
<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_sessions</code>	Lists the sessions on a cluster
<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 by StudioId
<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 by ClusterId
<code>modify_instance_fleet</code>	Modifies the target On-Demand and target Spot capacities for the instance fleet within an Amazon EMR cluster
<code>modify_instance_groups</code>	ModifyInstanceGroups modifies the number of nodes and configuration settings of the instance groups within an Amazon EMR cluster
<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
<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
<code>run_job_flow</code>	RunJobFlow creates and starts running a new cluster (job flow)
<code>set_keep_job_flow_alive_when_no_steps</code>	You can use the SetKeepJobFlowAliveWhenNoSteps to configure a cluster (job flow) to keep running when no steps are running

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
start_session	Creates and starts a new Spark Connect session on the specified cluster
stop_notebook_execution	Stops a notebook execution
terminate_job_flows	TerminateJobFlows shuts a list of clusters (job flows) down
terminate_session	Terminates an active session
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 • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
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",
    use_dual_stack = "logical"
  ),
  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
create_id_namespace	Creates an ID namespace object which will help customers provide metadata explaining their
create_matching_workflow	Creates a matching workflow that defines the configuration for a 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
generate_match_id	Generates or retrieves Match IDs for records using a rule-based matching workflow

<code>get_id_mapping_job</code>	Returns the status, metrics, and errors (if there are any) that are associated with a job
<code>get_id_mapping_workflow</code>	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 in
<code>get_matching_job</code>	Returns 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 matching workflow
<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	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 • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
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 <- 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",
    use_dual_stack = "logical"
  ),
  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

<code>start_delivery_stream_encryption</code>	Enables server-side encryption (SSE) for the Firehose stream
<code>stop_delivery_stream_encryption</code>	Disables server-side encryption (SSE) for the Firehose stream
<code>tag_delivery_stream</code>	Adds or updates tags for the specified Firehose stream
<code>untag_delivery_stream</code>	Removes tags from the specified Firehose stream
<code>update_destination</code>	Updates the specified destination of the specified Firehose stream

Examples

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

## End(Not run)
```

glue

AWS Glue

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.

	<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 • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
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 <- 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",
        use_dual_stack = "logical"
    ),
    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_glossary_terms	Associates one or more glossary terms with an asset in Glue Data Catalog
batch_create_partition	Creates one or more partitions in a batch operation
batch_delete_connection	Deletes a list of connection definitions from the Data Catalog
batch_delete_partition	Deletes one or more partitions in a batch operation
batch_delete_table	Deletes multiple tables at once
batch_delete_table_version	Deletes a specified batch of versions of a table
batch_get_blueprints	Retrieves information about a list of blueprints
batch_get_crawlers	Returns a list of resource metadata for a given list of crawler names
batch_get_custom_entity_types	Retrieves the details for the custom patterns specified by a list of names
batch_get_data_quality_result	Retrieves a list of data quality results for the specified result IDs
batch_get_data_quality_ruleset_evaluation_run	Retrieves the details of multiple evaluation runs in a single request
batch_get_dev_endpoints	Returns a list of resource metadata for a given list of development endpoints
batch_get_iterable_forms	Retrieves multiple items from an iterable form on an asset in Glue Data Catalog
batch_get_jobs	Returns a list of resource metadata for a given list of job names
batch_get_partition	Retrieves partitions in a batch request
batch_get_table_optimizer	Returns the configuration for the specified table optimizers
batch_get_triggers	Returns a list of resource metadata for a given list of trigger names
batch_get_workflows	Returns a list of resource metadata for a given list of workflow names
batch_put_data_quality_statistic_annotation	Annotate datapoints over time for a specific data quality statistic
batch_stop_job_run	Stops one or more job runs for a specified job definition
batch_update_partition	Updates one or more partitions in a batch operation
cancel_data_quality_rule_recommendation_run	Cancels the specified recommendation run that was being used to generate recommendations
cancel_data_quality_ruleset_evaluation_run	Cancels a run where a ruleset is being evaluated against a data source
cancel_ml_task_run	Cancels (stops) a task run
cancel_statement	Cancels the statement
check_schema_version_validity	Validates the supplied schema
create_blueprint	Registers a blueprint with Glue
create_catalog	Creates a new catalog in the Glue Data Catalog
create_classifier	Creates a classifier in the user's account
create_column_statistics_task_settings	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 optional tags
<code>create_custom_entity_type</code>	Creates a custom pattern that is used to detect sensitive data across the columns of a table
<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_glossary</code>	Creates a business glossary in Glue Data Catalog
<code>create_glossary_term</code>	Creates a glossary term within a business glossary in Glue Data Catalog
<code>create_glue_identity_center_configuration</code>	Creates a new Glue Identity Center configuration to enable integration between Glue and an external identity provider
<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 tables that are part of 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_asset</code>	Deletes an asset from Glue Data Catalog
<code>delete_asset_type</code>	Deletes an asset type from Glue Data Catalog
<code>delete_attachment</code>	Deletes a form attachment from an asset in Glue Data Catalog
<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_connection_type</code>	Deletes a custom connection type in Glue
<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_form_type</code>	Deletes a form type from Glue Data Catalog
<code>delete_glossary</code>	Deletes a business glossary from Glue Data Catalog
<code>delete_glossary_term</code>	Deletes a glossary term from Glue Data Catalog
<code>delete_glue_identity_center_configuration</code>	Deletes the existing Glue Identity Center configuration, removing the integration with an external identity provider
<code>delete_integration</code>	Deletes the specified Zero-ETL integration

<code>delete_integration_resource_property</code>	This API is used for deleting the ResourceProperty of the Glue connection
<code>delete_integration_table_properties</code>	Deletes the table properties that have been created for the tables that need to
<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 version
<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 opt
<code>describe_entity</code>	Provides details regarding the entity used with the connection type, with a d
<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>disassociate_glossary_terms</code>	Removes the association of one or more glossary terms from an asset in Glue
<code>get_asset</code>	Retrieves the metadata for an asset in Glue Data Catalog, including its form
<code>get_asset_type</code>	Retrieves an asset type in Glue Data Catalog by its identifier
<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
<code>get_column_statistics_for_partition</code>	Retrieves partition statistics of columns
<code>get_column_statistics_for_table</code>	Retrieves table statistics of columns
<code>get_column_statistics_task_run</code>	Get the associated metadata/information for a task run, given a task run ID
<code>get_column_statistics_task_runs</code>	Retrieves information about all runs associated with the specified table
<code>get_column_statistics_task_settings</code>	Gets settings for a column statistics task
<code>get_connection</code>	Retrieves a connection definition from the Data Catalog
<code>get_connections</code>	Retrieves a list of connection definitions from the Data Catalog
<code>get_crawler</code>	Retrieves metadata for a specified crawler
<code>get_crawler_metrics</code>	Retrieves metrics about specified crawlers
<code>get_crawlers</code>	Retrieves metadata for all crawlers defined in the customer account
<code>get_custom_entity_type</code>	Retrieves the details of a custom pattern by specifying its name
<code>get_dashboard_url</code>	Retrieves the URL for the Spark monitoring dashboard for a Glue resource
<code>get_database</code>	Retrieves the definition of a specified database
<code>get_databases</code>	Retrieves all databases defined in a given Data Catalog

<code>get_data_catalog_encryption_settings</code>	Retrieves the security configuration for a specified catalog
<code>get_data_catalog_export_configuration</code>	Retrieves the current export configuration for the Glue Data Catalog
<code>get_dataflow_graph</code>	Transforms a Python script into a directed acyclic graph (DAG)
<code>get_data_quality_model</code>	Retrieve the training status of the model along with more information (Com
<code>get_data_quality_model_result</code>	Retrieve a statistic's predictions for a given Profile ID
<code>get_data_quality_result</code>	Retrieves the result of a data quality rule evaluation
<code>get_data_quality_rule_recommendation_run</code>	Gets the specified recommendation run that was used to generate rules
<code>get_data_quality_ruleset</code>	Returns an existing ruleset by identifier or name
<code>get_data_quality_ruleset_evaluation_run</code>	Retrieves a specific run where a ruleset is evaluated against a data source
<code>get_dev_endpoint</code>	Retrieves information about a specified development endpoint
<code>get_dev_endpoints</code>	Retrieves all the development endpoints in this Amazon Web Services acco
<code>get_entity_records</code>	This API is used to query preview data from a given connection type or fro
<code>get_form_type</code>	Retrieves a form type in Glue Data Catalog by its identifier
<code>get_glossary</code>	Retrieves a business glossary in Glue Data Catalog by its identifier
<code>get_glossary_term</code>	Retrieves a glossary term in Glue Data Catalog by its identifier
<code>get_glue_identity_center_configuration</code>	Retrieves the current Glue Identity Center configuration details, including th
<code>get_integration_resource_property</code>	This API is used for fetching the ResourceProperty of the Glue connection
<code>get_integration_table_properties</code>	This API is used to retrieve optional override properties for the tables that n
<code>get_job</code>	Retrieves an existing job definition
<code>get_job_bookmark</code>	Returns information on a job bookmark entry
<code>get_job_run</code>	Retrieves the metadata for a given job run
<code>get_job_runs</code>	Retrieves metadata for all runs of a given job definition
<code>get_jobs</code>	Retrieves all current job definitions
<code>get_mapping</code>	Creates mappings
<code>get_materialized_view_refresh_task_run</code>	Get the associated metadata/information for a task run, given a task run ID
<code>get_ml_task_run</code>	Gets details for a specific task run on a machine learning transform
<code>get_ml_task_runs</code>	Gets a list of runs for a machine learning transform
<code>get_ml_transform</code>	Gets an Glue machine learning transform artifact and all its corresponding r
<code>get_ml_transforms</code>	Gets a sortable, filterable list of existing Glue machine learning transforms
<code>get_partition</code>	Retrieves information about a specified partition
<code>get_partition_indexes</code>	Retrieves the partition indexes associated with a table
<code>get_partitions</code>	Retrieves information about the partitions in a table
<code>get_plan</code>	Gets code to perform a specified mapping
<code>get_registry</code>	Describes the specified registry in detail
<code>get_resource_policies</code>	Retrieves the resource policies set on individual resources by Resource Acco
<code>get_resource_policy</code>	Retrieves a specified resource policy
<code>get_schema</code>	Describes the specified schema in detail
<code>get_schema_by_definition</code>	Retrieves a schema by the SchemaDefinition
<code>get_schema_version</code>	Get the specified schema by its unique ID assigned when a version of the sc
<code>get_schema_versions_diff</code>	Fetches the schema version difference in the specified difference type betwe
<code>get_security_configuration</code>	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_session_endpoint</code>	Returns the Spark Connect endpoint URL and authentication token for an in
<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

get_table_version	Retrieves a specified version of a table
get_table_versions	Retrieves a list of strings that identify available versions of a specified table
get_tags	Retrieves a list of tags associated with a resource
get_trigger	Retrieves the definition of a trigger
get_triggers	Gets all the triggers associated with a job
get_unfiltered_partition_metadata	Retrieves partition metadata from the Data Catalog that contains unfiltered metadata
get_unfiltered_partitions_metadata	Retrieves partition metadata from the Data Catalog that contains unfiltered metadata
get_unfiltered_table_metadata	Allows a third-party analytical engine to retrieve unfiltered table metadata from the Data Catalog
get_usage_profile	Retrieves information about the specified Glue usage profile
get_user_defined_function	Retrieves a specified function definition from the Data Catalog
get_user_defined_functions	Retrieves multiple function definitions from the Data Catalog
get_workflow	Retrieves resource metadata for a workflow
get_workflow_run	Retrieves the metadata for a given workflow run
get_workflow_run_properties	Retrieves the workflow run properties which were set during the run
get_workflow_runs	Retrieves metadata for all runs of a given workflow
import_catalog_to_glue	Imports an existing Amazon Athena Data Catalog to Glue
list_asset_types	Lists the asset types defined in Glue Data Catalog
list_blueprints	Lists all the blueprint names in an account
list_column_statistics_task_runs	List all task runs for a particular account
list_connection_types	The ListConnectionTypes API provides a discovery mechanism to learn available connection types
list_crawlers	Retrieves the names of all crawler resources in this Amazon Web Services account
list_crawls	Returns all the crawls of a specified crawler
list_custom_entity_types	Lists all the custom patterns that have been created
list_data_quality_results	Returns all data quality execution results for your account
list_data_quality_rule_recommendation_runs	Lists the recommendation runs meeting the filter criteria
list_data_quality_ruleset_evaluation_runs	Lists all the runs meeting the filter criteria, where a ruleset is evaluated against a list of Glue tables
list_data_quality_rulesets	Returns a paginated list of rulesets for the specified list of Glue tables
list_data_quality_statistic_annotations	Retrieve annotations for a data quality statistic
list_data_quality_statistics	Retrieves a list of data quality statistics
list_dev_endpoints	Retrieves the names of all DevEndpoint resources in this Amazon Web Services account
list_entities	Returns the available entities supported by the connection type
list_form_types	Lists the form types defined in Glue Data Catalog
list_glossaries	Lists business glossaries in Glue Data Catalog
list_glossary_terms	Lists glossary terms within a business glossary in Glue Data Catalog
list_integration_resource_properties	List integration resource properties for a single customer
list_integration_table_properties	Lists the integration table properties in your account
list_iterable_forms	Lists the items in an iterable form on an asset in Glue Data Catalog
list_jobs	Retrieves the names of all job resources in this Amazon Web Services account
list_materialized_view_refresh_task_runs	List all task runs for a particular account
list_ml_transforms	Retrieves a sortable, filterable list of existing Glue machine learning transformations
list_registries	Returns a list of registries that you have created, with minimal registry information
list_schemas	Returns a list of schemas with minimal details
list_schema_versions	Returns a list of schema versions that you have created, with minimal information
list_sessions	Retrieve a list of sessions
list_statements	Lists statements for the session
list_table_optimizer_runs	Lists the history of previous optimizer runs for a specific table
list_triggers	Retrieves the names of all trigger resources in this Amazon Web Services account
list_usage_profiles	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
<code>put_asset</code>	Creates or updates an asset in Glue Data Catalog
<code>put_asset_type</code>	Creates or updates an asset type in Glue Data Catalog
<code>put_attachment</code>	Attaches a form to an asset or an iterable form item in Glue Data Catalog
<code>put_data_catalog_encryption_settings</code>	Sets the security configuration for a specified catalog
<code>put_data_catalog_export_configuration</code>	Creates or updates the export configuration for the Glue Data Catalog
<code>put_data_quality_profile_annotation</code>	Annotate all datapoints for a Profile
<code>put_form_type</code>	Creates or updates a form type in Glue Data Catalog
<code>put_resource_policy</code>	Sets the Data Catalog resource policy for access control
<code>put_schema_version_metadata</code>	Puts the metadata key value pair for a specified schema version ID
<code>put_workflow_run_properties</code>	Puts the specified workflow run properties for the given workflow run
<code>query_schema_version_metadata</code>	Queries for the schema version metadata information
<code>register_connection_type</code>	Registers a custom connection type in Glue based on the configuration provided
<code>register_schema_version</code>	Adds a new version to the existing schema
<code>remove_schema_version_metadata</code>	Removes a key value pair from the schema version metadata for the specified version ID
<code>reset_job_bookmark</code>	Resets a bookmark entry
<code>resume_workflow_run</code>	Restarts selected nodes of a previous partially completed workflow run and resumes the workflow
<code>run_statement</code>	Executes the statement
<code>search_assets</code>	Searches for assets in Glue Data Catalog using full-text search, filters, sorting, and pagination
<code>search_tables</code>	Searches a set of tables based on properties in the table metadata as well as pagination
<code>start_blueprint_run</code>	Starts a new run of the specified blueprint
<code>start_column_statistics_task_run</code>	Starts a column statistics task run, for a specified table and columns
<code>start_column_statistics_task_run_schedule</code>	Starts a column statistics task run schedule
<code>start_crawler</code>	Starts a crawl using the specified crawler, regardless of what is scheduled
<code>start_crawler_schedule</code>	Changes the schedule state of the specified crawler to SCHEDULED, unless it is already in that state
<code>start_data_quality_rule_recommendation_run</code>	Starts a recommendation run that is used to generate rules when you don't know what rules to create
<code>start_data_quality_ruleset_evaluation_run</code>	Once you have a ruleset definition (either recommended or your own), you can start an evaluation run
<code>start_export_labels_task_run</code>	Begins an asynchronous task to export all labeled data for a particular transform
<code>start_import_labels_task_run</code>	Enables you to provide additional labels (examples of truth) to be used to train a machine learning model
<code>start_job_run</code>	Starts a job run using a job definition
<code>start_materialized_view_refresh_task_run</code>	Starts a materialized view refresh task run for a specified materialized view
<code>start_ml_evaluation_task_run</code>	Starts a task to estimate the quality of the transform
<code>start_ml_labeling_set_generation_task_run</code>	Starts the active learning workflow for your machine learning transform to improve the quality of the training data
<code>start_trigger</code>	Starts an existing trigger
<code>start_workflow_run</code>	Starts a new run of the specified workflow
<code>stop_column_statistics_task_run</code>	Stops a task run for the specified table
<code>stop_column_statistics_task_run_schedule</code>	Stops a column statistics task run schedule
<code>stop_crawler</code>	If the specified crawler is running, stops the crawl
<code>stop_crawler_schedule</code>	Sets the schedule state of the specified crawler to NOT_SCHEDULED, but only if it is currently SCHEDULED
<code>stop_materialized_view_refresh_task_run</code>	Stops a materialized view refresh task run for a specified materialized view
<code>stop_session</code>	Stops the session
<code>stop_trigger</code>	Stops a specified trigger
<code>stop_workflow_run</code>	Stops the execution of the specified workflow run
<code>tag_resource</code>	Adds tags to a resource
<code>test_connection</code>	Tests a connection to a service to validate the service credentials that you provide
<code>untag_resource</code>	Removes tags from a resource
<code>update_asset</code>	Updates the name and description of an existing asset in Glue Data Catalog

<code>update_blueprint</code>	Updates a registered blueprint
<code>update_catalog</code>	Updates an existing catalog's properties in the Glue Data Catalog
<code>update_classifier</code>	Modifies an existing classifier (a GrokClassifier, an XMLClassifier, a JsonClassifier)
<code>update_column_statistics_for_partition</code>	Creates or updates partition statistics of columns
<code>update_column_statistics_for_table</code>	Creates or updates table statistics of columns
<code>update_column_statistics_task_settings</code>	Updates settings for a column statistics task
<code>update_connection</code>	Updates a connection definition in the Data Catalog
<code>update_crawler</code>	Updates a crawler
<code>update_crawler_schedule</code>	Updates the schedule of a crawler using a cron expression
<code>update_database</code>	Updates an existing database definition in a Data Catalog
<code>update_data_quality_ruleset</code>	Updates the specified data quality ruleset
<code>update_dev_endpoint</code>	Updates a specified development endpoint
<code>update_glossary</code>	Updates a business glossary in Glue Data Catalog
<code>update_glossary_term</code>	Updates a glossary term in Glue Data Catalog
<code>update_glue_identity_center_configuration</code>	Updates the existing Glue Identity Center configuration, allowing modification
<code>update_integration_resource_property</code>	This API can be used for updating the ResourceProperty of the Glue connection
<code>update_integration_table_properties</code>	This API is used to provide optional override properties for the tables that n
<code>update_job</code>	Updates an existing job definition
<code>update_job_from_source_control</code>	Synchronizes a job from the source control repository
<code>update_ml_transform</code>	Updates an existing machine learning transform
<code>update_partition</code>	Updates a partition
<code>update_registry</code>	Updates an existing registry which is used to hold a collection of schemas
<code>update_schema</code>	Updates the description, compatibility setting, or version checkpoint for a s
<code>update_source_control_from_job</code>	Synchronizes a job to the source control repository
<code>update_table</code>	Updates a metadata table in the Data Catalog
<code>update_table_optimizer</code>	Updates the configuration for an existing table optimizer
<code>update_trigger</code>	Updates a trigger definition
<code>update_usage_profile</code>	Update an Glue usage profile
<code>update_user_defined_function</code>	Updates an existing function definition in the Data Catalog
<code>update_workflow</code>	Updates an existing workflow

Examples

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

## End(Not run)
```

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.

- **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>
- **use_dual_stack:** Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the `AWS_USE_DUALSTACK_ENDPOINT` environment variable when unset.

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

This is the *HealthLake API Reference*. For an introduction to the service, see [What is HealthLake?](#) in the *HealthLake Developer Guide*.

Usage

```
healthlake(
  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 • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the AWS_USE_DUALSTACK_ENDPOINT environment variable when unset.
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 <- 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",
    use_dual_stack = "logical"
  ),
  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_data_transformation_profile	Creates a data transformation profile in DRAFT state
create_fhir_datastore	Create a FHIR-enabled data store
delete_data_transformation_profile	Deletes a data transformation profile and all its versions, including the DRAFT and published versions
delete_fhir_datastore	Delete a FHIR-enabled data store
describe_data_transformation_job	Describes a data transformation job, including its current status, configuration, and progress
describe_fhir_datastore	Get properties for a FHIR-enabled data store
describe_fhir_export_job	Get FHIR export job properties
describe_fhir_import_job	Get the import job properties to learn more about the job or job progress
get_data_transformation_profile	Retrieves a data transformation profile's metadata and profile content at a specific version
list_data_transformation_jobs	Lists data transformation jobs for your Amazon Web Services account
list_data_transformation_profiles	Lists all data transformation profiles in your account, returning the latest version of each profile
list_data_transformation_profile_versions	Lists all versions of a specific data transformation profile (DRAFT and published)
list_fhir_datastores	List all FHIR-enabled data stores in a 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	List 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
publish_data_transformation_profile	Promotes the current DRAFT version of a data transformation profile to a new immutable version
restore_fhir_datastore	Restore a backup-enabled data store to a point in time
start_data_transformation_job	Starts an asynchronous data transformation job that converts source files from Amazon S3 to Amazon Athena
start_fhir_export_job	Start a FHIR export job
start_fhir_import_job	Start importing bulk FHIR data into an ACTIVE data store
tag_resource	Add a user-specified key and value tag to a data store
untag_resource	Remove a user-specified key and value tag from a data store
update_data_transformation_profile	Updates the DRAFT version (version 0) of a data transformation profile with new content
update_fhir_datastore	Update the properties of a FHIR-enabled data store
update_profile_with_agent	Updates a data transformation profile using chat-based interaction with an agent

Examples

```

## Not run:
svc <- healthlake()
svc$create_data_transformation_profile(
  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-endpoints.html • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
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",
    use_dual_stack = "logical"
  ),
  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_ad_configuration	Creates a new ad configuration to be used for server-side ad insertion
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_ad_configuration	Deletes the specified ad configuration
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

<code>delete_recording_configuration</code>	Deletes the recording configuration for the specified ARN
<code>delete_stream_key</code>	Deletes the stream key for the specified ARN, so it can no longer be used to stream
<code>get_ad_configuration</code>	Gets the ad configuration represented by the specified ARN
<code>get_channel</code>	Gets the channel configuration for the specified channel ARN
<code>get_playback_key_pair</code>	Gets a specified playback authorization key pair and returns the arn and fingerprint
<code>get_playback_restriction_policy</code>	Gets the specified playback restriction policy
<code>get_recording_configuration</code>	Gets the recording configuration for the specified ARN
<code>get_stream</code>	Gets information about the active (live) stream on a specified channel
<code>get_stream_key</code>	Gets stream-key information for a specified ARN
<code>get_stream_session</code>	Gets metadata on a specified stream
<code>import_playback_key_pair</code>	Imports the public portion of a new key pair and returns its arn and fingerprint
<code>insert_ad_break</code>	Inserts an ad marker in the playlist for the specified channel and duration using the a
<code>list_ad_configurations</code>	Gets summary information about all ad configurations in your account, in the AWS r
<code>list_channels</code>	Gets summary information about all channels in your account, in the Amazon Web S
<code>list_playback_key_pairs</code>	Gets summary information about playback key pairs
<code>list_playback_restriction_policies</code>	Gets summary information about playback restriction policies
<code>list_recording_configurations</code>	Gets summary information about all recording configurations in your account, in the
<code>list_stream_keys</code>	Gets summary information about stream keys for the specified channel
<code>list_streams</code>	Gets summary information about live streams in your account, in the Amazon Web S
<code>list_stream_sessions</code>	Gets a summary of current and previous streams for a specified channel in your acco
<code>list_tags_for_resource</code>	Gets information about Amazon Web Services tags for the specified ARN
<code>put_metadata</code>	Inserts metadata into the active stream of the specified channel
<code>start_viewer_session_revocation</code>	Starts the process of revoking the viewer session associated with a specified channel
<code>stop_stream</code>	Disconnects the incoming RTMPS stream for the specified channel
<code>tag_resource</code>	Adds or updates tags for the Amazon Web Services resource with the specified ARN
<code>untag_resource</code>	Removes tags from the resource with the specified ARN
<code>update_ad_configuration</code>	Updates a specified ad configuration
<code>update_channel</code>	Updates a channel's configuration
<code>update_playback_restriction_policy</code>	Updates a specified playback restriction policy

Examples

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

## End(Not run)
```

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 participant replication:

- **Source stage** — The stage where the participant originally joined, which is used as the source for replication.
- **Destination stage** — The stage to which the participant is replicated.
- **Replicated participant** — A participant in a stage that is replicated to one or more destination stages.
- **Replica participant** — A participant in a destination stage that is replicated from another stage (the source stage).

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	<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 • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
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 <- 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",
    use_dual_stack = "logical"
  ),
  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

<code>delete_public_key</code>	Deletes the specified public key used to sign stage participant tokens
<code>delete_stage</code>	Shuts down and deletes the specified stage (disconnecting all participants)
<code>delete_storage_configuration</code>	Deletes the storage configuration for the specified ARN
<code>disconnect_participant</code>	Disconnects a specified participant from a specified stage
<code>get_composition</code>	Get information about the specified Composition resource
<code>get_encoder_configuration</code>	Gets information about the specified EncoderConfiguration resource
<code>get_ingest_configuration</code>	Gets information about the specified IngestConfiguration
<code>get_participant</code>	Gets information about the specified participant token
<code>get_public_key</code>	Gets information for the specified public key
<code>get_stage</code>	Gets information for the specified stage
<code>get_stage_session</code>	Gets information for the specified stage session
<code>get_storage_configuration</code>	Gets the storage configuration for the specified ARN
<code>import_public_key</code>	Import a public key to be used for signing stage participant tokens
<code>list_compositions</code>	Gets summary information about all Compositions in your account, in the AWS region where the API request is processed
<code>list_encoder_configurations</code>	Gets summary information about all EncoderConfigurations in your account, in the AWS region where the API request is processed
<code>list_ingest_configurations</code>	Lists all IngestConfigurations in your account, in the AWS region where the API request is processed
<code>list_participant_events</code>	Lists events for a specified participant that occurred during a specified stage session
<code>list_participant_replicas</code>	Lists all the replicas for a participant from a source stage
<code>list_participants</code>	Lists all participants in a specified stage session
<code>list_public_keys</code>	Gets summary information about all public keys in your account, in the AWS region where the API request is processed
<code>list_stages</code>	Gets summary information about all stages in your account, in the AWS region where the API request is processed
<code>list_stage_sessions</code>	Gets all sessions for a specified stage
<code>list_storage_configurations</code>	Gets summary information about all storage configurations in your account, in the AWS region where the API request is processed
<code>list_tags_for_resource</code>	Gets information about AWS tags for the specified ARN
<code>start_composition</code>	Starts a Composition from a stage based on the configuration provided in the request
<code>start_participant_replication</code>	Starts replicating a publishing participant from a source stage to a destination stage
<code>stop_composition</code>	Stops and deletes a Composition resource
<code>stop_participant_replication</code>	Stops a replicated participant session
<code>tag_resource</code>	Adds or updates tags for the AWS resource with the specified ARN
<code>untag_resource</code>	Removes tags from the resource with the specified ARN
<code>update_ingest_configuration</code>	Updates a specified IngestConfiguration
<code>update_stage</code>	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.
- **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-endpoints.html>
- **use_dual_stack:** Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the `AWS_USE_DUALSTACK_ENDPOINT` environment variable when unset.

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.

	<ul style="list-style-type: none"> • 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",
    use_dual_stack = "logical"
  ),
  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_scam_secret	Associates one or more Scram Secrets with an Amazon MSK cluster
batch_disassociate_scam_secret	Disassociates one or more Scram Secrets from an Amazon MSK cluster

<code>create_channel</code>	Creates a Channel that streams records from an Amazon MSK Express cluster topic to Am
<code>create_cluster</code>	Creates a new MSK cluster
<code>create_cluster_v2</code>	Creates a new MSK cluster
<code>create_configuration</code>	Creates a new MSK configuration
<code>create_replicator</code>	Creates the replicator
<code>create_topic</code>	Creates a topic in the specified MSK cluster
<code>create_vpc_connection</code>	Creates a new MSK VPC connection
<code>delete_channel</code>	Deletes the channel specified by channelArn from the cluster specified by clusterArn
<code>delete_cluster</code>	Deletes the MSK cluster specified by the Amazon Resource Name (ARN) in the request
<code>delete_cluster_policy</code>	Deletes the MSK cluster policy specified by the Amazon Resource Name (ARN) in the request
<code>delete_configuration</code>	Deletes an MSK Configuration
<code>delete_replicator</code>	Deletes a replicator
<code>delete_topic</code>	Deletes a topic in the specified MSK cluster
<code>delete_vpc_connection</code>	Deletes a MSK VPC connection
<code>describe_channel</code>	Returns the current configuration and state of a channel
<code>describe_cluster</code>	Returns a description of the MSK cluster whose Amazon Resource Name (ARN) is specified
<code>describe_cluster_operation</code>	Returns a description of the cluster operation specified by the ARN
<code>describe_cluster_operation_v2</code>	Returns a description of the cluster operation specified by the ARN
<code>describe_cluster_v2</code>	Returns a description of the MSK cluster whose Amazon Resource Name (ARN) is specified
<code>describe_configuration</code>	Returns a description of this MSK configuration
<code>describe_configuration_revision</code>	Returns a description of this revision of the configuration
<code>describe_replicator</code>	Describes a replicator
<code>describe_topic</code>	Returns topic details of this topic on a MSK cluster
<code>describe_topic_partitions</code>	Returns partition details of this topic on a MSK cluster
<code>describe_vpc_connection</code>	Returns a description of this MSK VPC connection
<code>get_bootstrap_brokers</code>	A list of brokers that a client application can use to bootstrap
<code>get_cluster_policy</code>	Get the MSK cluster policy specified by the Amazon Resource Name (ARN) in the request
<code>get_compatible_kafka_versions</code>	Gets the Apache Kafka versions to which you can update the MSK cluster
<code>list_channels</code>	Returns the list of channels in a cluster
<code>list_client_vpc_connections</code>	Returns a list of all the VPC connections in this Region
<code>list_cluster_operations</code>	Returns a list of all the operations that have been performed on the specified MSK cluster
<code>list_cluster_operations_v2</code>	Returns a list of all the operations that have been performed on the specified MSK cluster
<code>list_clusters</code>	Returns a list of all the MSK clusters in the current Region
<code>list_clusters_v2</code>	Returns a list of all the MSK clusters in the current Region
<code>list_configuration_revisions</code>	Returns a list of all the MSK configurations in this Region
<code>list_configurations</code>	Returns a list of all the MSK configurations in this Region
<code>list_kafka_versions</code>	Returns a list of Apache Kafka versions
<code>list_nodes</code>	Returns a list of the broker nodes in the cluster
<code>list_replicators</code>	Lists the replicators
<code>list_scam_secrets</code>	Returns a list of the Scram Secrets associated with an Amazon MSK cluster
<code>list_tags_for_resource</code>	Returns a list of the tags associated with the specified resource
<code>list_topics</code>	List topics in a MSK cluster
<code>list_vpc_connections</code>	Returns a list of all the VPC connections in this Region
<code>put_cluster_policy</code>	Creates or updates the MSK cluster policy specified by the cluster Amazon Resource Name
<code>reboot_broker</code>	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_channel</code>	Updates the destination configuration of an existing channel
<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_rebalancing</code>	Use this resource to update the intelligent rebalancing status of an Amazon MSK Provisioned
<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
<code>update_topic</code>	Updates the configuration of the specified topic

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	<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-endpoints.html • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
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 <- 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",
    use_dual_stack = "logical"
  ),
  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
restart_connector	Restarts the specified connector
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 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.

	<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-endpoints.html • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
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 <- 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",
        use_dual_stack = "logical"
    ),
    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 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 operation
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 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 the 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 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
disassociate_personas_from_entities	Removes the specific permissions of users or groups in your IAM Identity Center id
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 e
list_experience_entities	Lists users or groups in your IAM Identity Center identity source that are granted ac
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 timestar
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)
```

kendraraking

*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

```
kendraraking(
  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>

- **use_dual_stack:** Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the `AWS_USE_DUALSTACK_ENDPOINT` environment variable when unset.

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 <- kendraranking(
  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",
    use_dual_stack = "logical"
  ),
  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	<i>Amazon Kinesis</i>
---------	-----------------------

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

	<ul style="list-style-type: none"> – 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 • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
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 <- 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",
    use_dual_stack = "logical"
  ),
  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_tags_to_stream	Adds or updates tags for the specified Kinesis data stream
create_channel	Creates a channel that delivers records from a Kinesis data stream to a destination
create_stream	Creates a Kinesis data stream
decrease_stream_retention_period	Decreases the Kinesis data stream's retention period, which is the length of time
delete_channel	Deletes the specified channel
delete_resource_policy	Delete a policy for the specified data stream or consumer
delete_stream	Deletes a Kinesis data stream and all its shards and data
deregister_stream_consumer	To deregister a consumer, provide its ARN
describe_account_settings	Describes the account-level settings for Amazon Kinesis Data Streams
describe_channel	Describes the specified channel, including its configuration and current status
describe_limits	Describes the shard limits and usage for the account
describe_stream	Describes the specified Kinesis data stream
describe_stream_consumer	To get the description of a registered consumer, provide the ARN of the consumer
describe_stream_summary	Provides a summarized description of the specified Kinesis data stream without
disable_enhanced_monitoring	Disables enhanced monitoring
enable_enhanced_monitoring	Enables enhanced Kinesis data stream monitoring for shard-level metrics
get_records	Gets data records from a Kinesis data stream's shard
get_resource_policy	Returns a policy attached to the specified data stream or consumer
get_shard_iterator	Gets an Amazon Kinesis shard iterator
increase_stream_retention_period	Increases the Kinesis data stream's retention period, which is the length of time
list_channels	Lists the channels in your account
list_shards	Lists the shards in a stream and provides information about each shard
list_stream_consumers	Lists the consumers registered to receive data from a stream using enhanced fan
list_streams	Lists your Kinesis data streams

<code>list_tags_for_resource</code>	List all tags added to the specified Kinesis resource
<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 throughput
<code>start_stream_encryption</code>	Enables or updates server-side encryption using an Amazon Web Services KMS key
<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 and the specified shard
<code>tag_resource</code>	Adds or updates tags for the specified Kinesis resource
<code>untag_resource</code>	Removes tags from the specified Kinesis resource
<code>update_account_settings</code>	Updates the account-level settings for Amazon Kinesis Data Streams
<code>update_channel</code>	Updates the data freshness interval or the Amazon CloudWatch Logs configuration for the specified Kinesis data stream
<code>update_max_record_size</code>	This allows you to update the MaxRecordSize of a single record that you can write to a Kinesis data stream
<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
<code>update_stream_record_distribution_strategy</code>	Updates the record distribution strategy for the specified Amazon Kinesis Data Stream
<code>update_stream_warm_throughput</code>	Updates the warm throughput configuration for the specified Amazon Kinesis 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. <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 • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
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.

delete_application_cloud_watch_logging_option	This documentation is for version 1 of the Amazon Kinesis Data Analytics
delete_application_input_processing_configuration	This documentation is for version 1 of the Amazon Kinesis Data Analytics
delete_application_output	This documentation is for version 1 of the Amazon Kinesis Data Analytics
delete_application_reference_data_source	This documentation is for version 1 of the Amazon Kinesis Data Analytics
describe_application	This documentation is for version 1 of the Amazon Kinesis Data Analytics
discover_input_schema	This documentation is for version 1 of the Amazon Kinesis Data Analytics
list_applications	This documentation is for version 1 of the Amazon Kinesis Data Analytics
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 Analytics
stop_application	This documentation is for version 1 of the Amazon Kinesis Data Analytics
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 Analytics

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	<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-endpoints.html • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
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 <- 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",
    use_dual_stack = "logical"
  ),
  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](#)
[add_application_input](#)
[add_application_input_processing_configuration](#)
[add_application_output](#)
[add_application_reference_data_source](#)
[add_application_vpc_configuration](#)
[create_application](#)
[create_application_presigned_url](#)
[create_application_snapshot](#)
[delete_application](#)
[delete_application_cloud_watch_logging_option](#)
[delete_application_input_processing_configuration](#)

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

<code>delete_application_output</code>	Deletes the output destination configuration from your SQL-based Kine
<code>delete_application_reference_data_source</code>	Deletes a reference data source configuration from the specified SQL-ba
<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
<code>describe_application</code>	Returns information about a specific Managed Service for Apache Flink
<code>describe_application_operation</code>	Provides a detailed description of a specified application operation
<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
<code>list_application_operations</code>	Lists all the operations performed for the specified application such as U
<code>list_applications</code>	Returns a list of Managed Service for Apache Flink applications in your
<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 tha
<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
<code>untag_resource</code>	Removes one or more tags from a Managed Service for Apache Flink ap
<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 Apa

Examples

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

## End(Not run)
```

mturk	<i>Amazon Mechanical Turk</i>
-------	-------------------------------

Description

Amazon Mechanical Turk API Reference

Usage

```
mturk(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 • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
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 <- 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",
    use_dual_stack = "logical"
  ),
  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](#)

The AcceptQualificationRequest operation approves a Worker's request for a Qualification.
 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 of assignments for a HIT.
 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 (HIT) using a HIT type.
 The CreateQualificationType operation creates a new Qualification type, which is required for a Worker to be able to work on a HIT.
 The CreateWorkerBlock operation allows you to prevent a Worker from working on HITs.
 The DeleteHIT operation is used to delete HIT that is no longer needed.
 The DeleteQualificationType deletes a Qualification type and deletes any HIT types that are associated with the Qualification type.
 The DeleteWorkerBlock operation allows you to reinstate a blocked Worker to work on HITs.

disassociate_qualification_from_worker	The DisassociateQualificationFromWorker revokes a previously granted Qualification
get_account_balance	The GetAccountBalance operation retrieves the Prepaid HITs balance in your Amazon
get_assignment	The GetAssignment operation retrieves the details of the specified Assignment
get_file_upload_url	The GetFileUploadURL operation generates and returns a temporary URL
get_hit	The GetHIT operation retrieves the details of the specified HIT
get_qualification_score	The GetQualificationScore operation returns the value of a Worker's Qualification for
get_qualification_type	The GetQualificationType operation retrieves information about a Qualification type
list_assignments_for_hit	The ListAssignmentsForHIT operation retrieves completed assignments for a HIT
list_bonus_payments	The ListBonusPayments operation retrieves the amounts of bonuses you have paid
list_hi_ts	The ListHITs operation returns all of a Requester's HITs
list_hi_ts_for_qualification_type	The ListHITsForQualificationType operation returns the HITs that use the given Qualification
list_qualification_requests	The ListQualificationRequests operation retrieves requests for Qualifications of a particular
list_qualification_types	The ListQualificationTypes operation returns a list of Qualification types, filtered by
list_reviewable_hi_ts	The ListReviewableHITs operation retrieves the HITs with Status equal to Reviewable
list_review_policy_results_for_hit	The ListReviewPolicyResultsForHIT operation retrieves the computed results and the
list_worker_blocks	The ListWorkersBlocks operation retrieves a list of Workers who are blocked from
list_workers_with_qualification_type	The ListWorkersWithQualificationType operation returns all of the Workers that have
notify_workers	The NotifyWorkers operation sends an email to one or more Workers that you specify
reject_assignment	The RejectAssignment operation rejects the results of a completed assignment
reject_qualification_request	The RejectQualificationRequest operation rejects a user's request for a Qualification
send_bonus	The SendBonus operation issues a payment of money from your account to a Worker
send_test_event_notification	The SendTestEventNotification operation causes Amazon Mechanical Turk to send
update_expiration_for_hit	The UpdateExpirationForHIT operation allows you update the expiration time of a
update_hit_review_status	The UpdateHITReviewStatus operation updates the status of a HIT
update_hit_type_of_hit	The UpdateHITTypeOfHIT operation allows you to change the HITType properties
update_notification_settings	The UpdateNotificationSettings operation creates, updates, disables or re-enables n
update_qualification_type	The UpdateQualificationType operation modifies the attributes of an existing Quali

Examples

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

## End(Not run)
```

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.

- **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>
- **use_dual_stack:** Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the `AWS_USE_DUALSTACK_ENDPOINT` environment variable when unset.

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 <- 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",
    use_dual_stack = "logical"
  ),
  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>create_pipeline</code>	Creates an OpenSearch Ingestion pipeline
<code>create_pipeline_endpoint</code>	Creates a VPC endpoint for an OpenSearch Ingestion pipeline
<code>delete_pipeline</code>	Deletes an OpenSearch Ingestion pipeline
<code>delete_pipeline_endpoint</code>	Deletes a VPC endpoint for an OpenSearch Ingestion pipeline
<code>delete_resource_policy</code>	Deletes a resource-based policy from an OpenSearch Ingestion resource
<code>get_pipeline</code>	Retrieves information about an OpenSearch Ingestion pipeline
<code>get_pipeline_blueprint</code>	Retrieves information about a specific blueprint for OpenSearch Ingestion
<code>get_pipeline_change_progress</code>	Returns progress information for the current change happening on an OpenSearch Ingestion pipeline
<code>get_resource_policy</code>	Retrieves the resource-based policy attached to an OpenSearch Ingestion resource
<code>list_pipeline_blueprints</code>	Retrieves a list of all available blueprints for Data Prepper
<code>list_pipeline_endpoint_connections</code>	Lists the pipeline endpoints connected to pipelines in your account
<code>list_pipeline_endpoints</code>	Lists all pipeline endpoints in your account
<code>list_pipelines</code>	Lists all OpenSearch Ingestion pipelines in the current Amazon Web Services account
<code>list_tags_for_resource</code>	Lists all resource tags associated with an OpenSearch Ingestion pipeline
<code>put_resource_policy</code>	Attaches a resource-based policy to an OpenSearch Ingestion resource
<code>revoke_pipeline_endpoint_connections</code>	Revokes pipeline endpoints from specified endpoint IDs
<code>start_pipeline</code>	Starts an OpenSearch Ingestion pipeline
<code>stop_pipeline</code>	Stops an OpenSearch Ingestion pipeline
<code>tag_resource</code>	Tags an OpenSearch Ingestion pipeline
<code>untag_resource</code>	Removes one or more tags from an OpenSearch Ingestion pipeline
<code>update_pipeline</code>	Updates an OpenSearch Ingestion pipeline
<code>validate_pipeline</code>	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	<i>Amazon OpenSearch Service</i>
-------------------	----------------------------------

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	<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 • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
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",
    use_dual_stack = "logical"
  ),
  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](#)
[add_data_source](#)
[add_direct_query_data_source](#)
[add_tags](#)
[associate_package](#)
[associate_packages](#)
[attach_data_source](#)

Allows the destination Amazon OpenSearch Service domain owner to accept an inbound connection from the source domain
 Creates a new direct-query data source to the specified domain
 Adds a new data source in Amazon OpenSearch Service so that you can perform direct queries to the data source
 Attaches tags to an existing Amazon OpenSearch Service domain, data source, or application
 Associates a package with an Amazon OpenSearch Service domain
 Operation in the Amazon OpenSearch Service API for associating multiple packages with a domain
 Attaches a data source to an OpenSearch application

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 UI application
create_domain	Creates an Amazon OpenSearch Service domain
create_index	Creates an OpenSearch index with optional automatic semantic enrichment for specific fields
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 a specified 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_index	Deletes an OpenSearch index
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
deregister_capability	Deregisters a capability from an OpenSearch UI application
describe_data_source_attachment	Returns the current status and details of a specific data source attachment for an OpenSearch application
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, and the number of nodes
describe_domain_nodes	Returns information about domain and nodes, including data nodes, master nodes, and ultrawarm nodes
describe_domains	Returns domain configuration information about the specified Amazon OpenSearch Service domains
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_insight_details	Describes the details of an existing insight for an 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 OpenSearch Service domain
describe_reserved_instances	Describes the Amazon OpenSearch Service instances that you have reserved in a given Amazon OpenSearch Service domain
describe_vpc_endpoints	Describes one or more Amazon OpenSearch Service-managed VPC endpoints
detach_data_source	Removes a data source from an OpenSearch application
dissociate_package	Removes a package from the specified Amazon OpenSearch Service domain
dissociate_packages	Dissociates multiple packages from a domain simultaneously
get_application	Retrieves the configuration and status of an existing OpenSearch application
get_capability	Retrieves information about a registered capability for an OpenSearch UI 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_default_application_setting	Gets the ARN of the current default application
get_direct_query_data_source	Returns detailed configuration information for a specific direct query data source in an Amazon OpenSearch Service domain
get_domain_maintenance_status	The status of the maintenance action
get_index	Retrieves information about an OpenSearch index including its schema and semantic configuration
get_migration	Retrieves the current status and progress of a migration job, including the number of documents migrated

<code>get_package_version_history</code>	Returns a list of Amazon OpenSearch Service package versions, along with their creation dates.
<code>get_upgrade_history</code>	Retrieves the complete history of the last 10 upgrades performed on an Amazon OpenSearch Service domain.
<code>get_upgrade_status</code>	Returns the most recent status of the last upgrade or upgrade eligibility check performed on a domain.
<code>insight_feedback</code>	Submits feedback for an existing insight in an Amazon OpenSearch Service domain.
<code>list_applications</code>	Lists all OpenSearch applications under your account.
<code>list_data_source_attachments</code>	Returns a paginated list of all data source attachments for an OpenSearch application.
<code>list_data_sources</code>	Lists direct-query data sources for a specific domain.
<code>list_direct_query_data_sources</code>	Lists an inventory of all the direct query data sources that you have configured within a domain.
<code>list_domain_maintenances</code>	A list of maintenance actions for the domain.
<code>list_domain_names</code>	Returns the names of all Amazon OpenSearch Service domains owned by the current user.
<code>list_domains_for_package</code>	Lists all Amazon OpenSearch Service domains associated with a given package.
<code>list_insights</code>	Lists insights for an Amazon OpenSearch Service domain or Amazon Web Services account.
<code>list_instance_type_details</code>	Lists all instance types and available features for a given OpenSearch or Elasticsearch domain.
<code>list_migrations</code>	Lists migration jobs for an Amazon OpenSearch Service application.
<code>list_packages_for_domain</code>	Lists all packages associated with an Amazon OpenSearch Service domain.
<code>list_scheduled_actions</code>	Retrieves a list of configuration changes that are scheduled for a domain.
<code>list_tags</code>	Returns all resource tags for an Amazon OpenSearch Service domain, data source, or application.
<code>list_versions</code>	Lists all versions of OpenSearch and Elasticsearch that Amazon OpenSearch Service supports.
<code>list_vpc_endpoint_access</code>	Retrieves information about each Amazon Web Services principal that is allowed to access a domain.
<code>list_vpc_endpoints</code>	Retrieves all Amazon OpenSearch Service-managed VPC endpoints in the current Amazon account.
<code>list_vpc_endpoints_for_domain</code>	Retrieves all Amazon OpenSearch Service-managed VPC endpoints associated with a domain.
<code>purchase_reserved_instance_offering</code>	Allows you to purchase Amazon OpenSearch Service Reserved Instances.
<code>put_default_application_setting</code>	Sets the default application to the application with the specified ARN.
<code>register_capability</code>	Registers a capability for an OpenSearch UI application.
<code>reject_inbound_connection</code>	Allows the remote Amazon OpenSearch Service domain owner to reject an inbound connection.
<code>remove_tags</code>	Removes the specified set of tags from an Amazon OpenSearch Service domain, data source, or application.
<code>revoke_vpc_endpoint_access</code>	Revokes access to an Amazon OpenSearch Service domain that was provided through a VPC endpoint.
<code>rollback_service_software_update</code>	Rolls back a service software update for a domain to the previous version.
<code>start_domain_maintenance</code>	Starts the node maintenance process on the data node.
<code>start_migration</code>	Initiates a migration job to migrate saved objects from a data source to an Amazon OpenSearch Service domain.
<code>start_service_software_update</code>	Schedules a service software update for an Amazon OpenSearch Service domain.
<code>update_application</code>	Updates the configuration and settings of an existing OpenSearch application.
<code>update_data_source</code>	Updates a direct-query data source.
<code>update_direct_query_data_source</code>	Updates the configuration or properties of an existing direct query data source in Amazon OpenSearch Service.
<code>update_domain_config</code>	Modifies the cluster configuration of the specified Amazon OpenSearch Service domain.
<code>update_index</code>	Updates an existing OpenSearch index schema and semantic enrichment configuration.
<code>update_package</code>	Updates a package for use with Amazon OpenSearch Service domains.
<code>update_package_scope</code>	Updates the scope of a package.
<code>update_scheduled_action</code>	Reschedules a planned domain configuration change for a later time.
<code>update_vpc_endpoint</code>	Modifies an Amazon OpenSearch Service-managed interface VPC endpoint.
<code>upgrade_domain</code>	Allows you to either upgrade your Amazon OpenSearch Service domain or perform a soft 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. • 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 • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
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 <- 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",
    use_dual_stack = "logical"
  ),
```

```

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, the O
batch_get_collection_group	Returns attributes for one or more collection groups, including capacity limits 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_collection_group	Creates a collection group within OpenSearch Serverless
create_index	Creates an index within an 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_collection_group	Deletes a collection group
delete_index	Deletes an index from 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_index	Retrieves information about an index in an OpenSearch Serverless collection, includin
get_policies_stats	Returns statistical information about your OpenSearch Serverless access policies, secu
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_collection_groups	Returns a list of collection groups
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 acco
update_collection	Updates an OpenSearch Serverless collection
update_collection_group	Updates the description and capacity limits of a collection group
update_index	Updates an existing index in 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	<i>Amazon QuickSight</i>
------------	--------------------------

Description

Amazon Quick API Reference

Amazon Quick Sight 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 Quick Sight.

Usage

```
quicksight(
  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-endpoints.html • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
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 <- 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",
    use_dual_stack = "logical"
  ),
  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_knowledge_base	Deletes one or more knowledge bases
batch_delete_topic_reviewed_answer	Deletes reviewed answers for Q Topic
batch_describe_user_limits	Describes the effective resource limits for one or more Amazon QuickSight users
cancel_ingestion	Cancels an ongoing ingestion of data into SPICE
create_account_customization	Creates Amazon QuickSight customizations
create_account_subscription	Creates an Amazon QuickSight account, or subscribes to Amazon QuickSight
create_action_connector	Creates an action connector that enables Amazon QuickSight to connect to external data sources
create_agent	Creates an agent in Amazon QuickSight
create_analysis	Creates an analysis in Amazon QuickSight
create_approval_policy	Creates an approval policy in QuickSight
create_brand	Creates a QuickSight brand

<code>create_custom_permissions</code>	Creates a custom permissions profile
<code>create_dashboard</code>	Creates a dashboard from either a template or directly with a DashboardDefinition
<code>create_data_set</code>	Creates a dataset
<code>create_data_source</code>	Creates a data source
<code>create_dlp_setting</code>	Creates a data loss prevention (DLP) setting configuration for an Amazon Web Services account
<code>create_flow</code>	Creates a new flow in the specified Amazon Web Services account
<code>create_folder</code>	Creates an empty shared folder
<code>create_folder_membership</code>	Adds an asset, such as a dashboard, analysis, or dataset into a folder
<code>create_group</code>	Use the CreateGroup operation to create a group in Quick Sight
<code>create_group_membership</code>	Adds an Amazon Quick Sight user to an Amazon Quick Sight group
<code>create_iam_policy_assignment</code>	Creates an assignment with one specified IAM policy, identified by an IAMPolicyArn
<code>create_ingestion</code>	Creates and starts a new SPICE ingestion for a dataset
<code>create_knowledge_base</code>	Creates a knowledge base from a specified data source
<code>create_limits_profile</code>	Creates a limits profile that defines resource usage limits for Amazon QuickSight
<code>create_namespace</code>	(Enterprise edition only) Creates a new namespace for you to use with QuickSight
<code>create_oauth_client_application</code>	Creates an OAuthClientApplication
<code>create_refresh_schedule</code>	Creates a refresh schedule for a dataset
<code>create_role_membership</code>	Use CreateRoleMembership to add an existing Quick Sight group to a role
<code>create_space</code>	Creates a new Amazon QuickSight space
<code>create_template</code>	Creates a template either from a TemplateDefinition or from an existing dataset
<code>create_template_alias</code>	Creates a template alias for a template
<code>create_theme</code>	Creates a theme
<code>create_theme_alias</code>	Creates a theme alias for a theme
<code>create_topic</code>	Creates a new Q topic
<code>create_topic_refresh_schedule</code>	Creates a topic refresh schedule
<code>create_topic_v2</code>	Creates a new Q topic
<code>create_vpc_connection</code>	Creates a new VPC connection
<code>delete_account_customization</code>	This API permanently deletes all Quick Sight customizations for the specified account
<code>delete_account_custom_permission</code>	Unapplies a custom permissions profile from an account
<code>delete_account_subscription</code>	Deleting your Quick Sight account subscription has permanent, irreversible effects
<code>delete_action_connector</code>	Hard deletes an action connector, making it unrecoverable
<code>delete_agent</code>	Deletes an agent
<code>delete_analysis</code>	Deletes an analysis from Amazon Quick Sight
<code>delete_app</code>	Deletes an app
<code>delete_approval_policy</code>	Deletes an approval policy in Quick Sight
<code>delete_brand</code>	This API permanently deletes the specified Quick Sight brand
<code>delete_brand_assignment</code>	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 QuickSight account
<code>delete_dlp_setting</code>	Deletes a DLP setting configuration from an Amazon Web Services account
<code>delete_flow</code>	Permanently deletes a flow from the specified Amazon Web Services account
<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 Quick Sight

<code>delete_group_membership</code>	Removes a user from a group so that the user is no longer a member
<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
<code>delete_knowledge_base</code>	Deletes a knowledge base
<code>delete_limits_profile</code>	Deletes a limits profile
<code>delete_namespace</code>	Deletes a namespace and the users and groups that are associated with
<code>delete_o_auth_client_application</code>	Deletes an OAuthClientApplication
<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_space</code>	Deletes an Amazon QuickSight space
<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_topic_v2</code>	Deletes a Q topic
<code>delete_user</code>	Deletes the Amazon Quick Sight user that is associated with the identity
<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 account
<code>describe_account_custom_permission</code>	Describes the custom permissions profile that is applied to an account
<code>describe_account_settings</code>	Describes the settings that were used when your Quick Sight subscription
<code>describe_account_subscription</code>	Use the DescribeAccountSubscription operation to receive a description of
<code>describe_action_connector</code>	Retrieves detailed information about an action connector, including its
<code>describe_action_connector_permissions</code>	Retrieves the permissions configuration for an action connector, showing
<code>describe_agent</code>	Describes an agent
<code>describe_agent_permissions</code>	Describes the resource permissions for an agent
<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_app</code>	Describes an app
<code>describe_app_permissions</code>	Describes the resource permissions for an app
<code>describe_approval_policy</code>	Describes an approval policy in Quick Sight
<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_automation_job</code>	Retrieves the status and details of a specified automation job, including
<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 QuickSight account
<code>describe_dlp_setting</code>	Describes the full configuration of a DLP setting in an Amazon Web Services account
<code>describe_flow</code>	Returns the full details of a flow for the latest version of the request
<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 Quick Sight group's description and Amazon Resource Name
<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 arn
<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 QuickSight account
<code>describe_knowledge_base</code>	Describes a knowledge base
<code>describe_knowledge_base_permissions</code>	Describes the resource permissions for a knowledge base
<code>describe_limits_profile</code>	Describes the properties of an existing limits profile
<code>describe_namespace</code>	Describes the current namespace
<code>describe_o_auth_client_application</code>	Describes an OAuthClientApplication
<code>describe_q_personalization_configuration</code>	Describes a personalization configuration
<code>describe_quick_sight_q_search_configuration</code>	Describes the state of a 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_self_upgrade_configuration</code>	Describes the self-upgrade configuration for a QuickSight account
<code>describe_space</code>	Describes an Amazon QuickSight space
<code>describe_space_permissions</code>	Describes the permissions for an Amazon QuickSight space
<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_permissions_v2</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_topic_v2</code>	Describes a Q topic
<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

get_dashboard_embed_url	Generates a temporary session URL and authorization code(bearer token)
get_flow_metadata	Retrieves the metadata of a flow, not including its definition specifying the data sources and targets
get_flow_permissions	Get permissions for a flow
get_identity_context	Retrieves the identity context for a Quick Sight user in a specified namespace
get_session_embed_url	Generates a session URL and authorization code that you can use to access the Amazon QuickSight console
list_action_connectors	Lists all action connectors in the specified Amazon Web Services account
list_agents	Lists all agents in an Amazon QuickSight account
list_analyses	Lists Amazon Quick Sight analyses that exist in the specified Amazon Web Services account
list_approval_policies	Lists all approval policies in the specified Quick Sight account
list_apps	Lists the apps in an Amazon Web Services account
list_asset_bundle_export_jobs	Lists all asset bundle export jobs that have been taken place in the last 14 days
list_asset_bundle_import_jobs	Lists all asset bundle import jobs that have taken place in the last 14 days
list_brands	Lists all brands in an Quick Sight account
list_custom_permissions	Returns a list of all the custom permissions profiles
list_dashboards	Lists dashboards in an Amazon Web Services account
list_dashboard_versions	Lists all the versions of the dashboards in the Amazon Quick Sight account
list_data_sets	Lists all of the datasets belonging to the current Amazon Web Services account
list_data_sources	Lists data sources in current Amazon Web Services Region that belong to the specified Amazon QuickSight account
list_dlp_settings	Lists all DLP settings in an Amazon Web Services account
list_flows	Lists flows in an Amazon Web Services account
list_folder_members	List all assets (DASHBOARD, ANALYSIS, and DATASET) in a folder
list_folders	Lists all folders in an account
list_folders_for_resource	List all folders that a resource is a member of
list_group_memberships	Lists member users in a group
list_groups	Lists all user groups in Amazon Quick Sight
list_iam_policy_assignments	Lists the IAM policy assignments in the current Amazon Quick Sight account
list_iam_policy_assignments_for_user	Lists all of the IAM policy assignments, including the Amazon Resource Access Manager (RAM) permissions, for a user
list_identity_propagation_configs	Lists all services and authorized targets that the Quick Sight IAM Identity Center is configured to propagate
list_ingestions	Lists the history of SPICE ingestions for a dataset
list_knowledge_bases	Lists all knowledge bases in an Amazon QuickSight account
list_limits_profiles	Lists all limits profiles in an Amazon Quick Sight account
list_namespaces	Lists the namespaces for the specified Amazon Web Services account
list_o_auth_client_applications	Lists all OAuthClientApplications in the current Amazon Web Services account
list_refresh_schedules	Lists the refresh schedules of a dataset
list_role_memberships	Lists all groups that are associated with a role
list_self_upgrades	Lists all self-upgrade requests for a Quick account
list_space_resources	Lists the resources in an Amazon QuickSight space
list_spaces	Lists all Amazon QuickSight spaces in an Amazon Web Services account
list_tags_for_resource	Lists the tags assigned to a resource
list_template_aliases	Lists all the aliases of a template
list_templates	Lists all the templates in the current Amazon Quick Sight account
list_template_versions	Lists all the versions of the templates in the current Amazon Quick Sight account
list_theme_aliases	Lists all the aliases of a theme
list_themes	Lists all the themes in the current Amazon Web Services account
list_theme_versions	Lists all the versions of the themes in the current Amazon Web Services account
list_topic_refresh_schedules	Lists all of the refresh schedules for a topic
list_topic_reviewed_answers	Lists all reviewed answers for a Q Topic
list_topics	Lists all of the topics within an account

list_topics_v2	Lists all of the Q topics in the specified Amazon Web Services account
list_user_groups	Lists the Amazon Quick Sight groups that an Amazon Quick Sight user belongs to
list_users	Returns a list of all of the Amazon Quick Sight users belonging to the specified Amazon Web Services account
list_users_index_capacity	Lists per-user index capacity consumption for an account
list_vpc_connections	Lists all of the VPC connections in the current set Amazon Web Services account
predict_qa_results	Predicts existing visuals or generates new visuals to answer a given question
put_data_set_refresh_properties	Creates or updates the dataset refresh properties for the dataset
register_user	Creates an Amazon Quick Sight user whose identity is associated with the specified Amazon Web Services account
restore_analysis	Restores an analysis
search_action_connectors	Searches for action connectors in the specified Amazon Web Services account
search_agents	Searches for agents based on specified filters
search_analyses	Searches for analyses that belong to the user specified in the filter
search_apps	Searches for apps in an Amazon Web Services account using the specified filters
search_dashboards	Searches for dashboards that belong to a user
search_data_sets	Use the SearchDataSets operation to search for datasets that belong to the specified Amazon Web Services account
search_data_sources	Use the SearchDataSources operation to search for data sources that belong to the specified Amazon Web Services account
search_flows	Search for the flows in an Amazon Web Services account
search_folders	Searches the subfolders in a folder
search_groups	Use the SearchGroups operation to search groups in a specified QuickSight account
search_knowledge_bases	Searches for a subset of knowledge bases based on specified filters
search_spaces	Searches for Amazon QuickSight spaces that match the specified filters
search_topics	Searches for any Q topic that exists in an Quick account
search_topics_v2	Searches for any Q topic that exists in an Amazon Web Services account
start_asset_bundle_export_job	Starts an Asset Bundle export job
start_asset_bundle_import_job	Starts an Asset Bundle import job
start_automation_job	Starts a new job for a specified automation
start_dashboard_snapshot_job	Starts an asynchronous job that generates a snapshot of a dashboard
start_dashboard_snapshot_job_schedule	Starts an asynchronous job that runs an existing dashboard schedule
tag_resource	Assigns one or more tags (key-value pairs) to the specified Amazon Web Services resource
untag_resource	Removes a tag or tags from a resource
update_account_customization	Updates Amazon Quick Sight customizations
update_account_custom_permission	Applies a custom permissions profile to an account
update_account_settings	Updates the Amazon Quick Sight settings in your Amazon Web Services account
update_action_connector	Updates an existing action connector with new configuration details
update_action_connector_permissions	Updates the permissions for an action connector by granting or revoking permissions
update_agent	Updates an existing agent
update_agent_permissions	Updates the resource permissions for an agent
update_analysis	Updates an analysis in Amazon Quick Sight
update_analysis_permissions	Updates the read and write permissions for an analysis
update_application_with_token_exchange_grant	Updates an Quick application with a token exchange grant
update_app_permissions	Updates the resource permissions for an app
update_approval_policy	Updates an approval policy in Quick Sight
update_brand	Updates a brand
update_brand_assignment	Updates a brand assignment
update_brand_published_version	Updates the published version of a brand
update_custom_permissions	Updates a custom permissions profile
update_dashboard	Updates a dashboard in an Amazon Web Services account
update_dashboard_links	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 Quick Sight account
<code>update_dlp_setting</code>	Updates an existing DLP setting configuration in an Amazon Web Services account
<code>update_flow</code>	Updates an existing flow
<code>update_flow_permissions</code>	Updates permissions against principals on a flow
<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 Quick Sight account
<code>update_knowledge_base</code>	Updates the properties of an existing knowledge base
<code>update_knowledge_base_permissions</code>	Updates the resource permissions for a knowledge base
<code>update_limits_profile</code>	Updates the properties of an existing limits profile
<code>update_o_auth_client_application</code>	Updates an OAuthClientApplication
<code>update_public_sharing_settings</code>	This API controls public sharing settings for your entire Quick Sight account
<code>update_q_personalization_configuration</code>	Updates a personalization configuration
<code>update_quick_sight_q_search_configuration</code>	Updates the state of a Quick Sight 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_self_upgrade</code>	Updates a self-upgrade request for a Quick user by approving, denying, or canceling
<code>update_self_upgrade_configuration</code>	Updates the self-upgrade configuration for a Quick account
<code>update_space</code>	Updates the metadata of an Amazon QuickSight space
<code>update_space_permissions</code>	Updates the permissions for an Amazon QuickSight space
<code>update_space_resources</code>	Adds or removes resources from an Amazon QuickSight space
<code>update_spice_capacity_configuration</code>	Updates the SPICE capacity configuration for a Quick Sight account
<code>update_template</code>	Updates a template from an existing Amazon Quick Sight 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_permissions_v2</code>	Updates the permissions of a topic
<code>update_topic_refresh_schedule</code>	Updates a topic refresh schedule
<code>update_topic_v2</code>	Updates the definition of a Q topic
<code>update_user</code>	Updates an Amazon Quick Sight 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)
```

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