

Package ‘paws.analytics’

October 7, 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>

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'cloudsearch_operations.R' 'cloudsearchdomain_service.R'
'cloudsearchdomain_interfaces.R'
'cloudsearchdomain_operations.R' 'datapipeline_service.R'
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 'healthlake_interfaces.R' 'healthlake_operations.R'
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 'opensearchserviceserverless_operations.R'
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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:**
 - * **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 • 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 <- 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	Returns the details of a single named query or a list of up to 50 queries, which you p
batch_get_prepared_statement	Returns the details of a single prepared statement or a list of up to 256 prepared stat
batch_get_query_execution	Returns the details of a single query execution or a list of up to 50 query executions
cancel_capacity_reservation	Cancels the capacity reservation with the specified name
create_capacity_reservation	Creates a capacity reservation with the specified name and number of requested dat
create_data_catalog	Creates (registers) a data catalog with the specified name and properties
create_named_query	Creates a named query in the specified workgroup
create_notebook	Creates an empty ipynb file in the specified Apache Spark enabled workgroup
create_prepared_statement	Creates a prepared statement for use with SQL queries in Athena
create_presigned_notebook_url	Gets an authentication token and the URL at which the notebook can be accessed
create_work_group	Creates a workgroup with the specified name
delete_capacity_reservation	Deletes a cancelled capacity reservation
delete_data_catalog	Deletes a data catalog
delete_named_query	Deletes the named query if you have access to the workgroup in which the query w
delete_notebook	Deletes the specified notebook
delete_prepared_statement	Deletes the prepared statement with the specified name from the specified workgrou
delete_work_group	Deletes the workgroup with the specified name
export_notebook	Exports the specified notebook and its metadata
get_calculation_execution	Describes a previously submitted calculation execution
get_calculation_execution_code	Retrieves the unencrypted code that was executed for the calculation
get_calculation_execution_status	Gets the status of a current calculation
get_capacity_assignment_configuration	Gets the capacity assignment configuration for a capacity reservation, if one exists
get_capacity_reservation	Returns information about the capacity reservation with the specified name

<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 object
<code>start_session</code>	Creates a session for running calculations within a workgroup
<code>stop_calculation_execution</code>	Requests the cancellation of a calculation
<code>stop_query_execution</code>	Stops a query execution
<code>tag_resource</code>	Adds one or more tags to an Athena resource
<code>terminate_session</code>	Terminates an active session
<code>untag_resource</code>	Removes one or more tags from an Athena resource
<code>update_capacity_reservation</code>	Updates the number of requested data processing units for the capacity reservation
<code>update_data_catalog</code>	Updates the data catalog that has the specified name
<code>update_named_query</code>	Updates a NamedQuery object
<code>update_notebook</code>	Updates the contents of a Spark notebook
<code>update_notebook_metadata</code>	Updates the metadata for a notebook
<code>update_prepared_statement</code>	Updates a prepared statement
<code>update_work_group</code>	Updates the workgroup with the specified name

Examples

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

## End(Not run)
```

cloudsearch

Amazon CloudSearch

Description

Amazon CloudSearch Configuration Service

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

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

Usage

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

Arguments

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

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

	– anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <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	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 <- 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 r
update_scaling_parameters	Configures scaling parameters for a domain
update_service_access_policies	Configures the access rules that control access to the domain's document and search end

Examples

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

## End(Not run)
```

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

Description

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

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

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

Usage

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

Arguments

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

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

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

```

 datapipeline

 AWS Data Pipeline

Description

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

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

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

Usage

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

Arguments

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

- **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 <- 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

<code>activate_pipeline</code>	Validates the specified pipeline and starts processing pipeline tasks
<code>add_tags</code>	Adds or modifies tags for the specified pipeline
<code>create_pipeline</code>	Creates a new, empty pipeline
<code>deactivate_pipeline</code>	Deactivates the specified running pipeline
<code>delete_pipeline</code>	Deletes a pipeline, its pipeline definition, and its run history
<code>describe_objects</code>	Gets the object definitions for a set of objects associated with the pipeline
<code>describe_pipelines</code>	Retrieves metadata about one or more pipelines
<code>evaluate_expression</code>	Task runners call EvaluateExpression to evaluate a string in the context of the specified object
<code>get_pipeline_definition</code>	Gets the definition of the specified pipeline
<code>list_pipelines</code>	Lists the pipeline identifiers for all active pipelines that you have permission to access
<code>poll_for_task</code>	Task runners call PollForTask to receive a task to perform from AWS Data Pipeline
<code>put_pipeline_definition</code>	Adds tasks, schedules, and preconditions to the specified pipeline
<code>query_objects</code>	Queries the specified pipeline for the names of objects that match the specified set of conditions
<code>remove_tags</code>	Removes existing tags from the specified pipeline
<code>report_task_progress</code>	Task runners call ReportTaskProgress when assigned a task to acknowledge that it has the task
<code>report_task_runner_heartbeat</code>	Task runners call ReportTaskRunnerHeartbeat every 15 minutes to indicate that they are operating
<code>set_status</code>	Requests that the status of the specified physical or logical pipeline objects be updated in the pipeline
<code>set_task_status</code>	Task runners call SetTaskStatus to notify AWS Data Pipeline that a task is completed and provide feedback
<code>validate_pipeline_definition</code>	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. <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 • 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

[accept_predictions](#)
[accept_subscription_request](#)
[add_entity_owner](#)
[add_policy_grant](#)
[associate_environment_role](#)
[associate_governed_terms](#)
[batch_get_attributes_metadata](#)
[batch_put_attributes_metadata](#)
[cancel_metadata_generation_run](#)
[cancel_subscription](#)
[create_account_pool](#)
[create_asset](#)

Accepts automatically generated business-friendly metadata for your Amazon
 Accepts a subscription request to a specific asset
 Adds the owner of an entity (a domain unit)
 Adds a policy grant (an authorization policy) to a specified entity, including do
 Associates the environment role in Amazon DataZone
 Associates governed terms with an asset
 Gets the attribute metadata
 Writes the attribute metadata
 Cancels the metadata generation run
 Cancels the subscription to the specified asset
 Creates an account pool
 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 from
<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
<code>delete_data_source</code>	Deletes a data source in Amazon DataZone
<code>delete_domain</code>	Deletes a Amazon DataZone domain
<code>delete_domain_unit</code>	Deletes a domain unit
<code>delete_environment</code>	Deletes an environment in Amazon DataZone
<code>delete_environment_action</code>	Deletes an action for the environment, for example, deletes a console link for a
<code>delete_environment_blueprint</code>	Deletes a blueprint in Amazon DataZone
<code>delete_environment_blueprint_configuration</code>	Deletes the blueprint configuration in Amazon DataZone
<code>delete_environment_profile</code>	Deletes an environment profile in Amazon DataZone
<code>delete_form_type</code>	Deletes and metadata form type in Amazon DataZone
<code>delete_glossary</code>	Deletes a business glossary in Amazon DataZone
<code>delete_glossary_term</code>	Deletes a business glossary term in Amazon DataZone
<code>delete_lineage_event</code>	Deletes the specified lineage event
<code>delete_listing</code>	Deletes a listing (a record of an asset at a given time)
<code>delete_notebook</code>	Deletes a notebook in Amazon SageMaker Unified Studio

<code>delete_project</code>	Deletes a project in Amazon DataZone
<code>delete_project_membership</code>	Deletes project membership in Amazon DataZone
<code>delete_project_profile</code>	Deletes a project profile
<code>delete_rule</code>	Deletes a rule in Amazon DataZone
<code>delete_subscription_grant</code>	Deletes and subscription grant in Amazon DataZone
<code>delete_subscription_request</code>	Deletes a subscription request in Amazon DataZone
<code>delete_subscription_target</code>	Deletes a subscription target in Amazon DataZone
<code>delete_time_series_data_points</code>	Deletes the specified time series form for the specified asset
<code>disassociate_environment_role</code>	Disassociates the environment role in Amazon DataZone
<code>disassociate_governed_terms</code>	Disassociates restricted terms from an asset
<code>get_account_pool</code>	Gets the details of the account pool
<code>get_asset</code>	Gets an Amazon DataZone asset
<code>get_asset_filter</code>	Gets an asset filter
<code>get_asset_type</code>	Gets an Amazon DataZone asset type
<code>get_connection</code>	Gets a connection
<code>get_data_export_configuration</code>	Gets data export configuration details
<code>get_data_product</code>	Gets the data product
<code>get_data_source</code>	Gets an Amazon DataZone data source
<code>get_data_source_run</code>	Gets an Amazon DataZone data source run
<code>get_domain</code>	Gets an Amazon DataZone domain
<code>get_domain_unit</code>	Gets the details of the specified domain unit
<code>get_environment</code>	Gets an Amazon DataZone environment
<code>get_environment_action</code>	Gets the specified environment action
<code>get_environment_blueprint</code>	Gets an Amazon DataZone blueprint
<code>get_environment_blueprint_configuration</code>	Gets the blueprint configuration in Amazon DataZone
<code>get_environment_credentials</code>	Gets the credentials of an environment in Amazon DataZone
<code>get_environment_profile</code>	Gets an environment profile in Amazon DataZone
<code>get_form_type</code>	Gets a metadata form type in Amazon DataZone
<code>get_glossary</code>	Gets a business glossary in Amazon DataZone
<code>get_glossary_term</code>	Gets a business glossary term in Amazon DataZone
<code>get_group_profile</code>	Gets a group profile in Amazon DataZone
<code>get_iam_portal_login_url</code>	Gets the data portal URL for the specified Amazon DataZone domain
<code>get_job_run</code>	The details of the job run
<code>get_lineage_event</code>	Describes the lineage event
<code>get_lineage_node</code>	Gets the data lineage node
<code>get_listing</code>	Gets a listing (a record of an asset at a given time)
<code>get_metadata_generation_run</code>	Gets a metadata generation run in Amazon DataZone
<code>get_notebook</code>	Gets the details of a notebook in Amazon SageMaker Unified Studio
<code>get_notebook_export</code>	Gets the details of a notebook export in Amazon SageMaker Unified Studio
<code>get_notebook_run</code>	Gets the details of a notebook run in Amazon SageMaker Unified Studio
<code>get_project</code>	Gets a project in Amazon DataZone
<code>get_project_profile</code>	The details of the project profile
<code>get_rule</code>	Gets the details of a rule in Amazon DataZone
<code>get_subscription</code>	Gets a subscription in Amazon DataZone
<code>get_subscription_grant</code>	Gets the subscription grant in Amazon DataZone
<code>get_subscription_request_details</code>	Gets the details of the specified subscription request
<code>get_subscription_target</code>	Gets the subscription target in Amazon DataZone
<code>get_time_series_data_point</code>	Gets the existing data point for the asset

<code>get_user_profile</code>	Gets a user profile in Amazon DataZone
<code>list_account_pools</code>	Lists existing account pools
<code>list_accounts_in_account_pool</code>	Lists the accounts in the specified account pool
<code>list_asset_filters</code>	Lists asset filters
<code>list_asset_revisions</code>	Lists the revisions for the asset
<code>list_connections</code>	Lists connections
<code>list_data_product_revisions</code>	Lists data product revisions
<code>list_data_source_run_activities</code>	Lists data source run activities
<code>list_data_source_runs</code>	Lists data source runs in Amazon DataZone
<code>list_data_sources</code>	Lists data sources in Amazon DataZone
<code>list_domains</code>	Lists Amazon DataZone domains
<code>list_domain_units_for_parent</code>	Lists child domain units for the specified parent domain unit
<code>list_entity_owners</code>	Lists the entity (domain units) owners
<code>list_environment_actions</code>	Lists existing environment actions
<code>list_environment_blueprint_configurations</code>	Lists blueprint configurations for a Amazon DataZone environment
<code>list_environment_blueprints</code>	Lists blueprints in an Amazon DataZone environment
<code>list_environment_profiles</code>	Lists Amazon DataZone environment profiles
<code>list_environments</code>	Lists Amazon DataZone environments
<code>list_job_runs</code>	Lists job runs
<code>list_lineage_events</code>	Lists lineage events
<code>list_lineage_node_history</code>	Lists the history of the specified data lineage node
<code>list_metadata_generation_runs</code>	Lists all metadata generation runs
<code>list_notebook_runs</code>	Lists notebook runs in Amazon SageMaker Unified Studio
<code>list_notebooks</code>	Lists notebooks in Amazon SageMaker Unified Studio
<code>list_notifications</code>	Lists all Amazon DataZone notifications
<code>list_policy_grants</code>	Lists policy grants
<code>list_project_memberships</code>	Lists all members of the specified project
<code>list_project_profiles</code>	Lists project profiles
<code>list_projects</code>	Lists Amazon DataZone projects
<code>list_rules</code>	Lists existing rules
<code>list_subscription_grants</code>	Lists subscription grants
<code>list_subscription_requests</code>	Lists Amazon DataZone subscription requests
<code>list_subscriptions</code>	Lists subscriptions in Amazon DataZone
<code>list_subscription_targets</code>	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

search_listings	Searches listings in Amazon DataZone
search_types	Searches for types in Amazon DataZone
search_user_profiles	Searches user profiles in Amazon DataZone
start_data_source_run	Start the run of the specified data source in Amazon DataZone
start_metadata_generation_run	Starts the metadata generation run
start_notebook_export	Starts a notebook export in Amazon SageMaker Unified Studio
start_notebook_import	Starts a notebook import in Amazon SageMaker Unified Studio
start_notebook_run	Starts a notebook run in Amazon SageMaker Unified Studio
start_notebook_sync	Starts a notebook sync in Amazon SageMaker Unified Studio
stop_notebook_run	Stops a running notebook run in Amazon SageMaker Unified Studio
tag_resource	Tags a resource in Amazon DataZone
untag_resource	Untags a resource in Amazon DataZone
update_account_pool	Updates the account pool
update_asset_filter	Updates an asset filter
update_connection	Updates a connection
update_data_source	Updates the specified data source in Amazon DataZone
update_domain	Updates a Amazon DataZone domain
update_domain_unit	Updates the domain unit
update_environment	Updates the specified environment in Amazon DataZone
update_environment_action	Updates an environment action
update_environment_blueprint	Updates an environment blueprint in Amazon DataZone
update_environment_profile	Updates the specified environment profile in Amazon DataZone
update_glossary	Updates the business glossary in Amazon DataZone
update_glossary_term	Updates a business glossary term in Amazon DataZone
update_group_profile	Updates the specified group profile in Amazon DataZone
update_notebook	Updates a notebook in Amazon SageMaker Unified Studio
update_project	Updates the specified project in Amazon DataZone
update_project_profile	Updates a project profile
update_root_domain_unit_owner	Updates the owner of the root domain unit
update_rule	Updates a rule
update_subscription_grant_status	Updates the status of the specified subscription grant status in Amazon DataZone
update_subscription_request	Updates a specified subscription request in Amazon DataZone
update_subscription_target	Updates the specified subscription target in Amazon DataZone
update_user_profile	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

- **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 <- 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

<code>accept_inbound_cross_cluster_search_connection</code>	Allows the destination domain owner to accept an inbound cross-cluster search connection
<code>add_tags</code>	Attaches tags to an existing Elasticsearch domain
<code>associate_package</code>	Associates a package with an Amazon ES domain
<code>authorize_vpc_endpoint_access</code>	Provides access to an Amazon OpenSearch Service domain through the VPC endpoint
<code>cancel_domain_config_change</code>	Cancels a pending configuration change on an Amazon OpenSearch Service domain
<code>cancel_elasticsearch_service_software_update</code>	Cancels a scheduled service software update for an Amazon ES domain
<code>create_elasticsearch_domain</code>	Creates a new Elasticsearch domain
<code>create_outbound_cross_cluster_search_connection</code>	Creates a new cross-cluster search connection from a source domain to a destination domain
<code>create_package</code>	Create a package for use with Amazon ES domains
<code>create_vpc_endpoint</code>	Creates an Amazon OpenSearch Service-managed VPC endpoint
<code>delete_elasticsearch_domain</code>	Permanently deletes the specified Elasticsearch domain and all of its associated resources
<code>delete_elasticsearch_service_role</code>	Deletes the service-linked role that Elasticsearch Service uses to manage the domain
<code>delete_inbound_cross_cluster_search_connection</code>	Allows the destination domain owner to delete an existing inbound cross-cluster search connection
<code>delete_outbound_cross_cluster_search_connection</code>	Allows the source domain owner to delete an existing outbound cross-cluster search connection
<code>delete_package</code>	Delete the package
<code>delete_vpc_endpoint</code>	Deletes an Amazon OpenSearch Service-managed interface VPC endpoint
<code>describe_domain_auto_tunes</code>	Provides scheduled Auto-Tune action details for the Elasticsearch domain
<code>describe_domain_change_progress</code>	Returns information about the current blue/green deployment happening on the domain
<code>describe_elasticsearch_domain</code>	Returns domain configuration information about the specified Elasticsearch domain
<code>describe_elasticsearch_domain_config</code>	Provides cluster configuration information about the specified Elasticsearch domain
<code>describe_elasticsearch_domains</code>	Returns domain configuration information about the specified Elasticsearch domains
<code>describe_elasticsearch_instance_type_limits</code>	Describe Elasticsearch Limits for a given InstanceType and Elasticsearch version
<code>describe_inbound_cross_cluster_search_connections</code>	Lists all the inbound cross-cluster search connections for a destination domain
<code>describe_outbound_cross_cluster_search_connections</code>	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 Elastisearch 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 on the domain
<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
<code>list_vpc_endpoints</code>	Retrieves all Amazon OpenSearch Service-managed VPC endpoints
<code>list_vpc_endpoints_for_domain</code>	Retrieves all Amazon OpenSearch Service-managed VPC endpoints
<code>purchase_reserved_elasticsearch_instance_offering</code>	Allows you to purchase reserved Elasticsearch instances
<code>reject_inbound_cross_cluster_search_connection</code>	Allows the destination domain owner to reject an inbound cross-clust
<code>remove_tags</code>	Removes the specified set of tags from the specified Elasticsearch dom
<code>revoke_vpc_endpoint_access</code>	Revokes access to an Amazon OpenSearch Service domain that was p
<code>start_elasticsearch_service_software_update</code>	Schedules a service software update for an Amazon ES domain
<code>update_elasticsearch_domain_config</code>	Modifies the cluster configuration of the specified Elasticsearch doma
<code>update_package</code>	Updates a package for use with Amazon ES domains
<code>update_vpc_endpoint</code>	Modifies an Amazon OpenSearch Service-managed interface VPC en
<code>upgrade_elasticsearch_domain</code>	Allows you to either upgrade your domain or perform an Upgrade eli

Examples

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

## End(Not run)
```

emr	<i>Amazon EMR</i>
-----	-------------------

Description

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

Usage

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

Arguments

- config Optional configuration of credentials, endpoint, and/or region.
- **credentials:**
 - **creds:**
 - * **access_key_id:** AWS access key ID

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

Value

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

Service syntax

```
svc <- emr(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
```

```

    ),
    profile = "string",
    anonymous = "logical"
  ),
  endpoint = "string",
  region = "string",
  close_connection = "logical",
  timeout = "numeric",
  s3_force_path_style = "logical",
  sts_regional_endpoint = "string",
  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	Adds an instance fleet to a running cluster
add_instance_groups	Adds one or more instance groups to a running cluster
add_job_flow_steps	AddJobFlowSteps adds new steps to a running cluster
add_tags	Adds tags to an Amazon EMR resource, such as a cluster or an Amazon EMR Studio
cancel_steps	Cancels a pending step or steps in a running cluster
create_persistent_app_ui	Creates a persistent application user interface
create_security_configuration	Creates a security configuration, which is stored in the service and can be specified
create_studio	Creates a new Amazon EMR Studio
create_studio_session_mapping	Maps a user or group to the Amazon EMR Studio specified by StudioId, and applies
delete_security_configuration	Deletes a security configuration
delete_studio	Removes an Amazon EMR Studio from the Studio metadata store
delete_studio_session_mapping	Removes a user or group from an Amazon EMR Studio
describe_cluster	Provides cluster-level details including status, hardware and software configuration
describe_job_flows	This API is no longer supported and will eventually be removed
describe_notebook_execution	Provides details of a notebook execution
describe_persistent_app_ui	Describes a persistent application user interface
describe_release_label	Provides Amazon EMR release label details, such as the releases available the Region
describe_security_configuration	Provides the details of a security configuration by returning the configuration JSON
describe_step	Provides more detail about the cluster step
describe_studio	Returns details for the specified Amazon EMR Studio including ID, Name, VPC, and
get_auto_termination_policy	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 session
<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
<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 the request
<code>modify_instance_fleet</code>	Modifies the target On-Demand and target Spot capacities for the instance fleet with the specified name
<code>modify_instance_groups</code>	ModifyInstanceGroups modifies the number of nodes and configuration settings of the instance groups
<code>put_auto_scaling_policy</code>	Creates or updates an automatic scaling policy for a core instance group or task instance group
<code>put_auto_termination_policy</code>	Auto-termination is supported in Amazon EMR releases 5 and later
<code>put_block_public_access_configuration</code>	Creates or updates an Amazon EMR block public access configuration for your Amazon Web Services account
<code>put_managed_scaling_policy</code>	Creates or updates a managed scaling policy for an Amazon EMR cluster
<code>remove_auto_scaling_policy</code>	Removes an automatic scaling policy from a specified instance group within an Amazon EMR cluster
<code>remove_auto_termination_policy</code>	Removes an auto-termination policy from an Amazon EMR cluster
<code>remove_managed_scaling_policy</code>	Removes a managed scaling policy from a specified Amazon EMR cluster
<code>remove_tags</code>	Removes tags from an Amazon EMR resource, such as a cluster or Amazon EMR Studio
<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
<code>set_termination_protection</code>	SetTerminationProtection locks a cluster (job flow) so the Amazon EC2 instances cannot be terminated
<code>set_unhealthy_node_replacement</code>	Specify whether to enable unhealthy node replacement, which lets Amazon EMR replace unhealthy nodes
<code>set_visible_to_all_users</code>	The SetVisibleToAllUsers parameter is no longer supported
<code>start_notebook_execution</code>	Starts a notebook execution
<code>start_session</code>	Creates and starts a new Spark Connect session on the specified cluster
<code>stop_notebook_execution</code>	Stops a notebook execution
<code>terminate_job_flows</code>	TerminateJobFlows shuts a list of clusters (job flows) down
<code>terminate_session</code>	Terminates an active session
<code>update_studio</code>	Updates an Amazon EMR Studio configuration, including attributes such as name, description, and tags
<code>update_studio_session_mapping</code>	Updates the session policy attached to the user or group for the specified Amazon EMR Studio

Examples

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

## End(Not run)
```

entityresolution

AWS *EntityResolution*

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.
- **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. <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 • 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 <- 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
get_id_mapping_job	Returns the status, metrics, and errors (if there are any) that are associated with a job
get_id_mapping_workflow	Returns the IdMappingWorkflow with a given name, if it exists
get_id_namespace	Returns the IdNamespace with a given name, if it exists
get_match_id	Returns the corresponding Match ID of a customer record if the record has been processed in
get_matching_job	Returns the status, metrics, and errors (if there are any) that are associated with a job
get_matching_workflow	Returns the MatchingWorkflow with a given name, if it exists
get_policy	Returns the resource-based policy
get_provider_service	Returns the ProviderService of a given name
get_schema_mapping	Returns the SchemaMapping of a given name
list_id_mapping_jobs	Lists all ID mapping jobs for a given workflow
list_id_mapping_workflows	Returns a list of all the IdMappingWorkflows that have been created for an Amazon Web Ser
list_id_namespaces	Returns a list of all ID namespaces
list_matching_jobs	Lists all jobs for a given workflow
list_matching_workflows	Returns a list of all the MatchingWorkflows that have been created for an Amazon Web Serv

list_provider_services	Returns a list of all the ProviderServices that are available in this Amazon Web Services Region
list_schema_mappings	Returns a list of all the SchemaMappings that have been created for an Amazon Web Service
list_tags_for_resource	Displays the tags associated with an Entity Resolution resource
put_policy	Updates the resource-based policy
start_id_mapping_job	Starts the IdMappingJob of a workflow
start_matching_job	Starts the MatchingJob of a workflow
tag_resource	Assigns one or more tags (key-value pairs) to the specified Entity Resolution resource
untag_resource	Removes one or more tags from the specified Entity Resolution resource
update_id_mapping_workflow	Updates an existing IdMappingWorkflow
update_id_namespace	Updates an existing ID namespace
update_matching_workflow	Updates an existing matching workflow
update_schema_mapping	Updates a schema mapping

Examples

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

## End(Not run)
```

firehose	<i>Amazon Kinesis Firehose</i>
----------	--------------------------------

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

Examples

```

## Not run:
svc <- firehose()
svc$create_delivery_stream(

```

```

    Foo = 123
)

## End(Not run)

```

glue

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.

- **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 <- 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
create_connection	Creates a connection definition in the Data Catalog
create_crawler	Creates a new crawler with specified targets, role, configuration, and options
create_custom_entity_type	Creates a custom pattern that is used to detect sensitive data across the column
create_database	Creates a new database in a Data Catalog
create_data_quality_ruleset	Creates a data quality ruleset with DQDL rules applied to a specified Glue table
create_dev_endpoint	Creates a new development endpoint
create_glossary	Creates a business glossary in Glue Data Catalog
create_glossary_term	Creates a glossary term within a business glossary in Glue Data Catalog
create_glue_identity_center_configuration	Creates a new Glue Identity Center configuration to enable integration between AWS IAM and Glue
create_integration	Creates a Zero-ETL integration in the caller's account between two resource
create_integration_resource_property	This API can be used for setting up the ResourceProperty of the Glue connection
create_integration_table_properties	This API is used to provide optional override properties for the the tables that are
create_job	Creates a new job definition
create_ml_transform	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
<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 be updated
<code>delete_job</code>	Deletes a specified job definition
<code>delete_ml_transform</code>	Deletes an Glue machine learning transform
<code>delete_partition</code>	Deletes a specified partition
<code>delete_partition_index</code>	Deletes a specified partition index from an existing table
<code>delete_registry</code>	Delete the entire registry including schema and all of its versions
<code>delete_resource_policy</code>	Deletes a specified policy
<code>delete_schema</code>	Deletes the entire schema set, including the schema set and all of its versions
<code>delete_schema_versions</code>	Remove versions from the specified schema
<code>delete_security_configuration</code>	Deletes a specified security configuration
<code>delete_session</code>	Deletes the session
<code>delete_table</code>	Removes a table definition from the Data Catalog
<code>delete_table_optimizer</code>	Deletes an optimizer and all associated metadata for a table

<code>delete_table_version</code>	Deletes a specified version of a table
<code>delete_trigger</code>	Deletes a specified trigger
<code>delete_usage_profile</code>	Deletes the Glue specified usage profile
<code>delete_user_defined_function</code>	Deletes an existing function definition from the Data Catalog
<code>delete_workflow</code>	Deletes a workflow
<code>describe_connection_type</code>	The DescribeConnectionType API provides full details of the supported options
<code>describe_entity</code>	Provides details regarding the entity used with the connection type, with a default value
<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 Data Catalog
<code>get_asset</code>	Retrieves the metadata for an asset in Glue Data Catalog, including its form type
<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 (Comprehend)
<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 account
<code>get_entity_records</code>	This API is used to query preview data from a given connection type or from a specific asset
<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

get_glossary_term	Retrieves a glossary term in Glue Data Catalog by its identifier
get_glue_identity_center_configuration	Retrieves the current Glue Identity Center configuration details, including the configuration of the Glue IAM role
get_integration_resource_property	This API is used for fetching the ResourceProperty of the Glue connection
get_integration_table_properties	This API is used to retrieve optional override properties for the tables that n
get_job	Retrieves an existing job definition
get_job_bookmark	Returns information on a job bookmark entry
get_job_run	Retrieves the metadata for a given job run
get_job_runs	Retrieves metadata for all runs of a given job definition
get_jobs	Retrieves all current job definitions
get_mapping	Creates mappings
get_materialized_view_refresh_task_run	Get the associated metadata/information for a task run, given a task run ID
get_ml_task_run	Gets details for a specific task run on a machine learning transform
get_ml_task_runs	Gets a list of runs for a machine learning transform
get_ml_transform	Gets an Glue machine learning transform artifact and all its corresponding m
get_ml_transforms	Gets a sortable, filterable list of existing Glue machine learning transforms
get_partition	Retrieves information about a specified partition
get_partition_indexes	Retrieves the partition indexes associated with a table
get_partitions	Retrieves information about the partitions in a table
get_plan	Gets code to perform a specified mapping
get_registry	Describes the specified registry in detail
get_resource_policies	Retrieves the resource policies set on individual resources by Resource Acc
get_resource_policy	Retrieves a specified resource policy
get_schema	Describes the specified schema in detail
get_schema_by_definition	Retrieves a schema by the SchemaDefinition
get_schema_version	Get the specified schema by its unique ID assigned when a version of the sc
get_schema_versions_diff	Fetches the schema version difference in the specified difference type betwe
get_security_configuration	Retrieves a specified security configuration
get_security_configurations	Retrieves a list of all security configurations
get_session	Retrieves the session
get_session_endpoint	Returns the Spark Connect endpoint URL and authentication token for an in
get_statement	Retrieves the statement
get_table	Retrieves the Table definition in a Data Catalog for a specified table
get_table_optimizer	Returns the configuration of all optimizers associated with a specified table
get_tables	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 p
get_unfiltered_partitions_metadata	Retrieves partition metadata from the Data Catalog that contains unfiltered p
get_unfiltered_table_metadata	Allows a third-party analytical engine to retrieve unfiltered table metadata f
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
list_workflows	Lists names of workflows created in the account
modify_integration	Modifies a Zero-ETL integration in the caller's account
put_asset	Creates or updates an asset in Glue Data Catalog
put_asset_type	Creates or updates an asset type in Glue Data Catalog
put_attachment	Attaches a form to an asset or an iterable form item in Glue Data Catalog
put_data_catalog_encryption_settings	Sets the security configuration for a specified catalog
put_data_catalog_export_configuration	Creates or updates the export configuration for the Glue Data Catalog
put_data_quality_profile_annotation	Annotate all datapoints for a Profile
put_form_type	Creates or updates a form type in Glue Data Catalog
put_resource_policy	Sets the Data Catalog resource policy for access control
put_schema_version_metadata	Puts the metadata key value pair for a specified schema version ID
put_workflow_run_properties	Puts the specified workflow run properties for the given workflow run
query_schema_version_metadata	Queries for the schema version metadata information
register_connection_type	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
<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 continues from the last state
<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 filters, sorting, and 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 use this API to evaluate it
<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 its performance
<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, or a RegexClassifier)
<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)
```

gluedatabrew

AWS Glue DataBrew

Description

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

Usage

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

Arguments

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

batch_delete_recipe_version	Deletes one or more versions of a recipe at a time
create_dataset	Creates a new DataBrew dataset
create_profile_job	Creates a new job to analyze a dataset and create its data profile
create_project	Creates a new DataBrew project
create_recipe	Creates a new DataBrew recipe
create_recipe_job	Creates a new job to transform input data, using steps defined in an existing Glue DataBrew recipe
create_ruleset	Creates a new ruleset that can be used in a profile job to validate the data quality of a dataset
create_schedule	Creates a new schedule for one or more DataBrew jobs
delete_dataset	Deletes a dataset from DataBrew
delete_job	Deletes the specified DataBrew job
delete_project	Deletes an existing DataBrew project
delete_recipe_version	Deletes a single version of a DataBrew recipe

<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`.

- **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 <- 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

<code>create_data_transformation_profile</code>	Creates a data transformation profile in DRAFT state
<code>create_fhir_datastore</code>	Create a FHIR-enabled data store
<code>delete_data_transformation_profile</code>	Deletes a data transformation profile and all its versions, including the DRAFT and published versions
<code>delete_fhir_datastore</code>	Delete a FHIR-enabled data store
<code>describe_data_transformation_job</code>	Describes a data transformation job, including its current status, configuration, and progress
<code>describe_fhir_datastore</code>	Get properties for a FHIR-enabled data store
<code>describe_fhir_export_job</code>	Get FHIR export job properties
<code>describe_fhir_import_job</code>	Get the import job properties to learn more about the job or job progress
<code>get_data_transformation_profile</code>	Retrieves a data transformation profile's metadata and profile content at a specific version
<code>list_data_transformation_jobs</code>	Lists data transformation jobs for your Amazon Web Services account
<code>list_data_transformation_profiles</code>	Lists all data transformation profiles in your account, returning the latest version of each profile
<code>list_data_transformation_profile_versions</code>	Lists all versions of a specific data transformation profile (DRAFT and published versions)
<code>list_fhir_datastores</code>	List all FHIR-enabled data stores in a user's account, regardless of data store status
<code>list_fhir_export_jobs</code>	Lists all FHIR export jobs associated with an account and their statuses
<code>list_fhir_import_jobs</code>	List all FHIR import jobs associated with an account and their statuses
<code>list_tags_for_resource</code>	Returns a list of all existing tags associated with a data store
<code>publish_data_transformation_profile</code>	Promotes the current DRAFT version of a data transformation profile to a new immutable version
<code>restore_fhir_datastore</code>	Restore a backup-enabled data store to a point in time
<code>start_data_transformation_job</code>	Starts an asynchronous data transformation job that converts source files from Amazon S3 to a target data store
<code>start_fhir_export_job</code>	Start a FHIR export job
<code>start_fhir_import_job</code>	Start importing bulk FHIR data into an ACTIVE data store
<code>tag_resource</code>	Add a user-specified key and value tag to a data store
<code>untag_resource</code>	Remove a user-specified key and value tag from a data store
<code>update_data_transformation_profile</code>	Updates the DRAFT version (version 0) of a data transformation profile with new content
<code>update_fhir_datastore</code>	Update the properties of a FHIR-enabled data store
<code>update_profile_with_agent</code>	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)
```

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` 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. <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	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 <- 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
delete_recording_configuration	Deletes the recording configuration for the specified ARN
delete_stream_key	Deletes the stream key for the specified ARN, so it can no longer be used to stream
get_ad_configuration	Gets the ad configuration represented by the specified ARN
get_channel	Gets the channel configuration for the specified channel ARN
get_playback_key_pair	Gets a specified playback authorization key pair and returns the arn and fingerprint
get_playback_restriction_policy	Gets the specified playback restriction policy
get_recording_configuration	Gets the recording configuration for the specified ARN
get_stream	Gets information about the active (live) stream on a specified channel
get_stream_key	Gets stream-key information for a specified ARN
get_stream_session	Gets metadata on a specified stream
import_playback_key_pair	Imports the public portion of a new key pair and returns its arn and fingerprint
insert_ad_break	Inserts an ad marker in the playlist for the specified channel and duration using the arn
list_ad_configurations	Gets summary information about all ad configurations in your account, in the AWS IAM console
list_channels	Gets summary information about all channels in your account, in the Amazon Web Services console
list_playback_key_pairs	Gets summary information about playback key pairs
list_playback_restriction_policies	Gets summary information about playback restriction policies

list_recording_configurations	Gets summary information about all recording configurations in your account, in the
list_stream_keys	Gets summary information about stream keys for the specified channel
list_streams	Gets summary information about live streams in your account, in the Amazon Web S
list_stream_sessions	Gets a summary of current and previous streams for a specified channel in your acco
list_tags_for_resource	Gets information about Amazon Web Services tags for the specified ARN
put_metadata	Inserts metadata into the active stream of the specified channel
start_viewer_session_revocation	Starts the process of revoking the viewer session associated with a specified channel
stop_stream	Disconnects the incoming RTMPS stream for the specified channel
tag_resource	Adds or updates tags for the Amazon Web Services resource with the specified ARN
untag_resource	Removes tags from the resource with the specified ARN
update_ad_configuration	Updates a specified ad configuration
update_channel	Updates a channel's configuration
update_playback_restriction_policy	Updates a specified playback restriction policy

Examples

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

## End(Not run)
```

ivsrealtime

Amazon Interactive Video Service RealTime

Description

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

Key Concepts

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

For server-side composition:

- **Composition process** — Composites participants of a stage into a single video and forwards it to a set of outputs (e.g., IVS channels). Composition operations support this process.

- **Composition** — Controls the look of the outputs, including how participants are positioned in the video.

For 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` 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. <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	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 <- 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
delete_public_key	Deletes the specified public key used to sign stage participant tokens
delete_stage	Shuts down and deletes the specified stage (disconnecting all participants)
delete_storage_configuration	Deletes the storage configuration for the specified ARN
disconnect_participant	Disconnects a specified participant from a specified stage
get_composition	Get information about the specified Composition resource
get_encoder_configuration	Gets information about the specified EncoderConfiguration resource
get_ingest_configuration	Gets information about the specified IngestConfiguration
get_participant	Gets information about the specified participant token
get_public_key	Gets information for the specified public key
get_stage	Gets information for the specified stage
get_stage_session	Gets information for the specified stage session
get_storage_configuration	Gets the storage configuration for the specified ARN
import_public_key	Import a public key to be used for signing stage participant tokens
list_compositions	Gets summary information about all Compositions in your account, in the AWS region where the API request is processed
list_encoder_configurations	Gets summary information about all EncoderConfigurations in your account, in the AWS region where the API request is processed
list_ingest_configurations	Lists all IngestConfigurations in your account, in the AWS region where the API request is processed
list_participant_events	Lists events for a specified participant that occurred during a specified stage session
list_participant_replicas	Lists all the replicas for a participant from a source stage
list_participants	Lists all participants in a specified stage session

list_public_keys	Gets summary information about all public keys in your account, in the AWS region where the API is called
list_stages	Gets summary information about all stages in your account, in the AWS region where the API is called
list_stage_sessions	Gets all sessions for a specified stage
list_storage_configurations	Gets summary information about all storage configurations in your account, in the AWS region where the API is called
list_tags_for_resource	Gets information about AWS tags for the specified ARN
start_composition	Starts a Composition from a stage based on the configuration provided in the request
start_participant_replication	Starts replicating a publishing participant from a source stage to a destination stage
stop_composition	Stops and deletes a Composition resource
stop_participant_replication	Stops a replicated participant session
tag_resource	Adds or updates tags for the AWS resource with the specified ARN
untag_resource	Removes tags from the resource with the specified ARN
update_ingest_configuration	Updates a specified IngestConfiguration
update_stage	Updates a stage's configuration

Examples

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

## End(Not run)
```

kafka	<i>Managed Streaming for Kafka</i>
-------	------------------------------------

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. <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 • 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 <- 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_scram_secret	Associates one or more Scram Secrets with an Amazon MSK cluster
batch_disassociate_scram_secret	Disassociates one or more Scram Secrets from an Amazon MSK cluster
create_channel	Creates a Channel that streams records from an Amazon MSK Express cluster topic to Amazon Kinesis
create_cluster	Creates a new MSK cluster
create_cluster_v2	Creates a new MSK cluster
create_configuration	Creates a new MSK configuration
create_replicator	Creates the replicator
create_topic	Creates a topic in the specified MSK cluster
create_vpc_connection	Creates a new MSK VPC connection
delete_channel	Deletes the channel specified by channelArn from the cluster specified by clusterArn
delete_cluster	Deletes the MSK cluster specified by the Amazon Resource Name (ARN) in the request
delete_cluster_policy	Deletes the MSK cluster policy specified by the Amazon Resource Name (ARN) in the request
delete_configuration	Deletes an MSK Configuration
delete_replicator	Deletes a replicator
delete_topic	Deletes a topic in the specified MSK cluster
delete_vpc_connection	Deletes a MSK VPC connection
describe_channel	Returns the current configuration and state of a channel
describe_cluster	Returns a description of the MSK cluster whose Amazon Resource Name (ARN) is specified
describe_cluster_operation	Returns a description of the cluster operation specified by the ARN
describe_cluster_operation_v2	Returns a description of the cluster operation specified by the ARN
describe_cluster_v2	Returns a description of the MSK cluster whose Amazon Resource Name (ARN) is specified
describe_configuration	Returns a description of this MSK configuration
describe_configuration_revision	Returns a description of this revision of the configuration
describe_replicator	Describes a replicator

<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_scram_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_scram_secret(
  Foo = 123
```

```
)
## End(Not run)
```

kafkaconnect

Managed Streaming for Kafka Connect

Description

Managed Streaming for Kafka Connect

Usage

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

Arguments

config

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

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

Value

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

Service syntax

```

svc <- kendra(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string",
    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
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
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 documents
disassociate_personas_from_entities	Removes the specific permissions of users or groups in your IAM Identity Center identity source
get_query_suggestions	Fetches the queries that are suggested to your users
get_snapshots	Retrieves search metrics data
list_access_control_configurations	Lists one or more access control configurations for an index
list_data_sources	Lists the data source connectors that you have created
list_data_source_sync_jobs	Gets statistics about synchronizing a data source connector
list_entity_personas	Lists specific permissions of users and groups with access to your Amazon Kendra experience
list_experience_entities	Lists users or groups in your IAM Identity Center identity source that are granted access
list_experiences	Lists one or more Amazon Kendra experiences
list_faqs	Gets a list of FAQs associated with an index
list_featured_results_sets	Lists all your sets of featured results for a given index
list_groups_older_than_ordering_id	Provides a list of groups that are mapped to users before a given ordering or timestamp
list_indices	Lists the Amazon Kendra indexes that you created
list_query_suggestions_block_lists	Lists the block lists used for query suggestions for an index
list_tags_for_resource	Gets a list of tags associated with a resource
list_thesauri	Lists the thesauri for an index
put_principal_mapping	Maps users to their groups so that you only need to provide the user ID when you issue a query
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 your search application
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

<code>update_experience</code>	Updates your Amazon Kendra experience such as a search application
<code>update_featured_results_set</code>	Updates a set of featured results
<code>update_index</code>	Updates an Amazon Kendra index
<code>update_query_suggestions_block_list</code>	Updates a block list used for query suggestions for an index
<code>update_query_suggestions_config</code>	Updates the settings of query suggestions for an index
<code>update_thesaurus</code>	Updates a thesaurus for an index

Examples

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

## End(Not run)
```

kendraranking

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

```
kendraranking(
  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. <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 • 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 <- kendraring(
  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	Amazon Kinesis
---------	----------------

Description

Amazon Kinesis Data Streams Service API Reference

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

Usage

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

Arguments

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

- **profile:** The name of a profile to use. If not given, then the default profile is used.
 - **anonymous:** Set anonymous credentials.
- endpoint Optional shorthand for complete URL to use for the constructed client.
- region Optional shorthand for AWS Region used in instantiating the client.

Value

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

Service syntax

```
svc <- kinesis(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string",
    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>add_tags_to_stream</code>	Adds or updates tags for the specified Kinesis data stream
<code>create_channel</code>	Creates a channel that delivers records from a Kinesis data stream to a destination
<code>create_stream</code>	Creates a Kinesis data stream
<code>decrease_stream_retention_period</code>	Decreases the Kinesis data stream's retention period, which is the length of time
<code>delete_channel</code>	Deletes the specified channel
<code>delete_resource_policy</code>	Delete a policy for the specified data stream or consumer
<code>delete_stream</code>	Deletes a Kinesis data stream and all its shards and data
<code>deregister_stream_consumer</code>	To deregister a consumer, provide its ARN
<code>describe_account_settings</code>	Describes the account-level settings for Amazon Kinesis Data Streams
<code>describe_channel</code>	Describes the specified channel, including its configuration and current status
<code>describe_limits</code>	Describes the shard limits and usage for the account
<code>describe_stream</code>	Describes the specified Kinesis data stream
<code>describe_stream_consumer</code>	To get the description of a registered consumer, provide the ARN of the consumer
<code>describe_stream_summary</code>	Provides a summarized description of the specified Kinesis data stream without
<code>disable_enhanced_monitoring</code>	Disables enhanced monitoring
<code>enable_enhanced_monitoring</code>	Enables enhanced Kinesis data stream monitoring for shard-level metrics
<code>get_records</code>	Gets data records from a Kinesis data stream's shard
<code>get_resource_policy</code>	Returns a policy attached to the specified data stream or consumer
<code>get_shard_iterator</code>	Gets an Amazon Kinesis shard iterator
<code>increase_stream_retention_period</code>	Increases the Kinesis data stream's retention period, which is the length of time
<code>list_channels</code>	Lists the channels in your account
<code>list_shards</code>	Lists the shards in a stream and provides information about each shard
<code>list_stream_consumers</code>	Lists the consumers registered to receive data from a stream using enhanced fan
<code>list_streams</code>	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
<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 ref
<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 str
<code>start_stream_encryption</code>	Enables or updates server-side encryption using an Amazon Web Services KMS
<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 sp
<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 configura
<code>update_max_record_size</code>	This allows you to update the MaxRecordSize of a single record that you can w
<code>update_shard_count</code>	Updates the shard count of the specified stream to the specified number of shar
<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
<code>update_stream_warm_throughput</code>	Updates the warm throughput configuration for the specified Amazon Kinesis D

Examples

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

## End(Not run)
```

kinesisanalytics

Amazon Kinesis Analytics

Description

Overview

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

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

Usage

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

Arguments

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

	• timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <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 • creds: – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

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

Service syntax

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

```

    sts_regional_endpoint = "string",
    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](#)
[create_application](#)
[delete_application](#)
[delete_application_cloud_watch_logging_option](#)
[delete_application_input_processing_configuration](#)
[delete_application_output](#)
[delete_application_reference_data_source](#)
[describe_application](#)
[discover_input_schema](#)
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[list_tags_for_resource](#)
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[untag_resource](#)
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This documentation is for version 1 of the Amazon Kinesis Data Analyt
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 This documentation is for version 1 of the Amazon Kinesis Data Analyt
 This documentation is for version 1 of the Amazon Kinesis Data Analyt
 Retrieves the list of key-value tags assigned to the application
 This documentation is for version 1 of the Amazon Kinesis Data Analyt
 This documentation is for version 1 of the Amazon Kinesis Data Analyt
 Adds one or more key-value tags to a Kinesis Analytics application
 Removes one or more tags from a Kinesis Analytics application
 This documentation is for version 1 of the Amazon Kinesis Data Analyt

Examples

```

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

```

```
## End(Not run)
```

kinesisanalyticsv2	<i>Amazon Kinesis Analytics</i>
--------------------	---------------------------------

Description

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

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

Usage

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

Arguments

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

- **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 <- 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

<code>add_application_cloud_watch_logging_option</code>	Adds an Amazon CloudWatch log stream to monitor application configuration
<code>add_application_input</code>	Adds a streaming source to your SQL-based Kinesis Data Analytics application
<code>add_application_input_processing_configuration</code>	Adds an InputProcessingConfiguration to a SQL-based Kinesis Data Analytics application
<code>add_application_output</code>	Adds an external destination to your SQL-based Kinesis Data Analytics application
<code>add_application_reference_data_source</code>	Adds a reference data source to an existing SQL-based Kinesis Data Analytics application
<code>add_application_vpc_configuration</code>	Adds a Virtual Private Cloud (VPC) configuration to the application
<code>create_application</code>	Creates a Managed Service for Apache Flink application
<code>create_application_presigned_url</code>	Creates and returns a URL that you can use to connect to an application
<code>create_application_snapshot</code>	Creates a snapshot of the application's state data
<code>delete_application</code>	Deletes the specified application
<code>delete_application_cloud_watch_logging_option</code>	Deletes an Amazon CloudWatch log stream from an SQL-based Kinesis Data Analytics application
<code>delete_application_input_processing_configuration</code>	Deletes an InputProcessingConfiguration from an input
<code>delete_application_output</code>	Deletes the output destination configuration from your SQL-based Kinesis Data Analytics application
<code>delete_application_reference_data_source</code>	Deletes a reference data source configuration from the specified SQL-based Kinesis Data Analytics application
<code>delete_application_snapshot</code>	Deletes a snapshot of application state
<code>delete_application_vpc_configuration</code>	Removes a VPC configuration from a Managed Service for Apache Flink application
<code>describe_application</code>	Returns information about a specific Managed Service for Apache Flink application
<code>describe_application_operation</code>	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 using sample data
<code>list_application_operations</code>	Lists all the operations performed for the specified application such as UpdateApplicationConfiguration
<code>list_applications</code>	Returns a list of Managed Service for Apache Flink applications in your account
<code>list_application_snapshots</code>	Lists information about the current application snapshots
<code>list_application_versions</code>	Lists all the versions for the specified application, including versions that are in development
<code>list_tags_for_resource</code>	Retrieves the list of key-value tags assigned to the application
<code>rollback_application</code>	Reverts the application to the previous running version
<code>start_application</code>	Starts the specified Managed Service for Apache Flink application
<code>stop_application</code>	Stops the application from processing data
<code>tag_resource</code>	Adds one or more key-value tags to a Managed Service for Apache Flink application
<code>untag_resource</code>	Removes one or more tags from a Managed Service for Apache Flink application
<code>update_application</code>	Updates an existing Managed Service for Apache Flink application
<code>update_application_maintenance_configuration</code>	Updates the maintenance configuration of the Managed Service for Apache Flink application

Examples

```
## Not run:
```

```

svc <- kinesisanalyticsv2()
svc$add_application_cloud_watch_logging_option(
  Foo = 123
)

## End(Not run)

```

mturk

Amazon Mechanical Turk

Description

Amazon Mechanical Turk API Reference

Usage

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

Arguments

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

- **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 <- 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
 disassociate_qualification_from_worker
 get_account_balance
 get_assignment
 get_file_upload_url
 get_hit
 get_qualification_score
 get_qualification_type
 list_assignments_for_hit
 list_bonus_payments
 list_hits
 list_hits_for_qualification_type
 list_qualification_requests
 list_qualification_types
 list_reviewable_hits
 list_review_policy_results_for_hit
 list_worker_blocks
 list_workers_with_qualification_type
 notify_workers
 reject_assignment
 reject_qualification_request
 send_bonus
 send_test_event_notification
 update_expiration_for_hit
 update_hit_review_status
 update_hit_type_of_hit
 update_notification_settings
 update_qualification_type

The AcceptQualificationRequest operation approves a Worker's request for a Qualification type.
 The ApproveAssignment operation approves the results of a completed assignment.
 The AssociateQualificationWithWorker operation gives a Worker a Qualification type.
 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) with a specific HIT type.
 The CreateQualificationType operation creates a new Qualification type, which is required for a Worker to be able to complete assignments.
 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 use the Qualification type.
 The DeleteWorkerBlock operation allows you to reinstate a blocked Worker to work on HITs.
 The DisassociateQualificationFromWorker revokes a previously granted Qualification type from a Worker.
 The GetAccountBalance operation retrieves the Prepaid HITs balance in your Amazon Mechanical Turk account.
 The GetAssignment operation retrieves the details of the specified Assignment.
 The GetFileUploadURL operation generates and returns a temporary URL that you can use to upload files to your HIT.
 The GetHIT operation retrieves the details of the specified HIT.
 The GetQualificationScore operation returns the value of a Worker's Qualification score for a specific Qualification type.
 The GetQualificationType operation retrieves information about a Qualification type.
 The ListAssignmentsForHIT operation retrieves completed assignments for a HIT.
 The ListBonusPayments operation retrieves the amounts of bonuses you have paid to Workers.
 The ListHITs operation returns all of a Requester's HITs.
 The ListHITsForQualificationType operation returns the HITs that use the given Qualification type.
 The ListQualificationRequests operation retrieves requests for Qualifications of a particular Qualification type.
 The ListQualificationTypes operation returns a list of Qualification types, filtered by a specific Qualification type.
 The ListReviewableHITs operation retrieves the HITs with Status equal to Reviewable.
 The ListReviewPolicyResultsForHIT operation retrieves the computed results and the status of the HIT.
 The ListWorkersBlocks operation retrieves a list of Workers who are blocked from working on HITs.
 The ListWorkersWithQualificationType operation returns all of the Workers that have a specific Qualification type.
 The NotifyWorkers operation sends an email to one or more Workers that you specify.
 The RejectAssignment operation rejects the results of a completed assignment.
 The RejectQualificationRequest operation rejects a user's request for a Qualification type.
 The SendBonus operation issues a payment of money from your account to a Worker.
 The SendTestEventNotification operation causes Amazon Mechanical Turk to send a test event notification to a Worker.
 The UpdateExpirationForHIT operation allows you update the expiration time of a HIT.
 The UpdateHITReviewStatus operation updates the status of a HIT.
 The UpdateHITTypeOfHIT operation allows you to change the HITType properties of a HIT.
 The UpdateNotificationSettings operation creates, updates, disables or re-enables notifications for a HIT.
 The UpdateQualificationType operation modifies the attributes of an existing Qualification type.

Examples

```
## Not run:
```

```
svc <- mturk()
svc$accept_qualification_request(
  Foo = 123
)

## End(Not run)
```

opensearchingestion *Amazon OpenSearch Ingestion*

Description

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

Usage

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

Arguments

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

- **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 <- opensearchingingestion(
  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_pipeline	Creates an OpenSearch Ingestion pipeline
create_pipeline_endpoint	Creates a VPC endpoint for an OpenSearch Ingestion pipeline
delete_pipeline	Deletes an OpenSearch Ingestion pipeline
delete_pipeline_endpoint	Deletes a VPC endpoint for an OpenSearch Ingestion pipeline
delete_resource_policy	Deletes a resource-based policy from an OpenSearch Ingestion resource
get_pipeline	Retrieves information about an OpenSearch Ingestion pipeline
get_pipeline_blueprint	Retrieves information about a specific blueprint for OpenSearch Ingestion
get_pipeline_change_progress	Returns progress information for the current change happening on an OpenSearch Ingestion pipeline
get_resource_policy	Retrieves the resource-based policy attached to an OpenSearch Ingestion resource
list_pipeline_blueprints	Retrieves a list of all available blueprints for Data Prepper
list_pipeline_endpoint_connections	Lists the pipeline endpoints connected to pipelines in your account
list_pipeline_endpoints	Lists all pipeline endpoints in your account
list_pipelines	Lists all OpenSearch Ingestion pipelines in the current Amazon Web Services account
list_tags_for_resource	Lists all resource tags associated with an OpenSearch Ingestion pipeline
put_resource_policy	Attaches a resource-based policy to an OpenSearch Ingestion resource
revoke_pipeline_endpoint_connections	Revokes pipeline endpoints from specified endpoint IDs
start_pipeline	Starts an OpenSearch Ingestion pipeline
stop_pipeline	Stops an OpenSearch Ingestion pipeline
tag_resource	Tags an OpenSearch Ingestion pipeline
untag_resource	Removes one or more tags from an OpenSearch Ingestion pipeline
update_pipeline	Updates an OpenSearch Ingestion pipeline
validate_pipeline	Checks whether an OpenSearch Ingestion pipeline configuration is valid prior to creation

Examples

```

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

## End(Not run)

```

opensearchservice	<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` 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 <- 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

<code>accept_inbound_connection</code>	Allows the destination Amazon OpenSearch Service domain owner to accept an inbound cross-cluster search connection
<code>add_data_source</code>	Creates a new direct-query data source to the specified domain
<code>add_direct_query_data_source</code>	Adds a new data source in Amazon OpenSearch Service so that you can perform direct queries
<code>add_tags</code>	Attaches tags to an existing Amazon OpenSearch Service domain, data source, or application
<code>associate_package</code>	Associates a package with an Amazon OpenSearch Service domain
<code>associate_packages</code>	Operation in the Amazon OpenSearch Service API for associating multiple packages with a domain
<code>attach_data_source</code>	Attaches a data source to an OpenSearch application
<code>authorize_vpc_endpoint_access</code>	Provides access to an Amazon OpenSearch Service domain through the use of an interface VPC endpoint
<code>cancel_domain_config_change</code>	Cancels a pending configuration change on an Amazon OpenSearch Service domain
<code>cancel_service_software_update</code>	Cancels a scheduled service software update for an Amazon OpenSearch Service domain
<code>create_application</code>	Creates an OpenSearch UI application
<code>create_domain</code>	Creates an Amazon OpenSearch Service domain
<code>create_index</code>	Creates an OpenSearch index with optional automatic semantic enrichment for specific fields
<code>create_outbound_connection</code>	Creates a new cross-cluster search connection from a source Amazon OpenSearch Service domain to a destination domain
<code>create_package</code>	Creates a package for use with Amazon OpenSearch Service domains
<code>create_vpc_endpoint</code>	Creates an Amazon OpenSearch Service-managed VPC endpoint
<code>delete_application</code>	Deletes a specified OpenSearch application
<code>delete_data_source</code>	Deletes a direct-query data source
<code>delete_direct_query_data_source</code>	Deletes a previously configured direct query data source from Amazon OpenSearch Service
<code>delete_domain</code>	Deletes an Amazon OpenSearch Service domain and all of its data
<code>delete_inbound_connection</code>	Allows the destination Amazon OpenSearch Service domain owner to delete an existing inbound cross-cluster search connection
<code>delete_index</code>	Deletes an OpenSearch index
<code>delete_outbound_connection</code>	Allows the source Amazon OpenSearch Service domain owner to delete an existing outbound cross-cluster search connection
<code>delete_package</code>	Deletes an Amazon OpenSearch Service package
<code>delete_vpc_endpoint</code>	Deletes an Amazon OpenSearch Service-managed interface VPC endpoint
<code>deregister_capability</code>	Deregisters a capability from an OpenSearch UI application
<code>describe_data_source_attachment</code>	Returns the current status and details of a specific data source attachment for an OpenSearch application
<code>describe_domain</code>	Describes the domain configuration for the specified Amazon OpenSearch Service domain
<code>describe_domain_auto_tunes</code>	Returns the list of optimizations that Auto-Tune has made to an Amazon OpenSearch Service domain
<code>describe_domain_change_progress</code>	Returns information about the current blue/green deployment happening on an Amazon OpenSearch Service domain
<code>describe_domain_config</code>	Returns the configuration of an Amazon OpenSearch Service domain
<code>describe_domain_health</code>	Returns information about domain and node health, the standby Availability Zone, number of nodes, and more
<code>describe_domain_nodes</code>	Returns information about domain and nodes, including data nodes, master nodes, and ultrawarm nodes
<code>describe_domains</code>	Returns domain configuration information about the specified Amazon OpenSearch Service domain
<code>describe_dry_run_progress</code>	Describes the progress of a pre-update dry run analysis on an Amazon OpenSearch Service domain
<code>describe_inbound_connections</code>	Lists all the inbound cross-cluster search connections for a destination (remote) Amazon OpenSearch Service domain
<code>describe_insight_details</code>	Describes the details of an existing insight for an Amazon OpenSearch Service domain
<code>describe_instance_type_limits</code>	Describes the instance count, storage, and master node limits for a given OpenSearch Service domain
<code>describe_outbound_connections</code>	Lists all the outbound cross-cluster connections for a local (source) Amazon OpenSearch Service domain
<code>describe_packages</code>	Describes all packages available to OpenSearch Service
<code>describe_reserved_instance_offerings</code>	Describes the available Amazon OpenSearch Service Reserved Instance offerings for a given region and instance type
<code>describe_reserved_instances</code>	Describes the Amazon OpenSearch Service instances that you have reserved in a given region

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 Amazon OpenSearch Service
get_domain_maintenance_status	The status of the maintenance action
get_index	Retrieves information about an OpenSearch index including its schema and semantic information
get_migration	Retrieves the current status and progress of a migration job, including the number of objects migrated
get_package_version_history	Returns a list of Amazon OpenSearch Service package versions, along with their creation and last update dates
get_upgrade_history	Retrieves the complete history of the last 10 upgrades performed on an Amazon OpenSearch Service domain
get_upgrade_status	Returns the most recent status of the last upgrade or upgrade eligibility check performed on a domain
insight_feedback	Submits feedback for an existing insight in an Amazon OpenSearch Service domain
list_applications	Lists all OpenSearch applications under your account
list_data_source_attachments	Returns a paginated list of all data source attachments for an OpenSearch application
list_data_sources	Lists direct-query data sources for a specific domain
list_direct_query_data_sources	Lists an inventory of all the direct query data sources that you have configured within a domain
list_domain_maintenances	A list of maintenance actions for the domain
list_domain_names	Returns the names of all Amazon OpenSearch Service domains owned by the current user
list_domains_for_package	Lists all Amazon OpenSearch Service domains associated with a given package
list_insights	Lists insights for an Amazon OpenSearch Service domain or Amazon Web Services account
list_instance_type_details	Lists all instance types and available features for a given OpenSearch or Elasticsearch domain
list_migrations	Lists migration jobs for an Amazon OpenSearch Service application
list_packages_for_domain	Lists all packages associated with an Amazon OpenSearch Service domain
list_scheduled_actions	Retrieves a list of configuration changes that are scheduled for a domain
list_tags	Returns all resource tags for an Amazon OpenSearch Service domain, data source, or application
list_versions	Lists all versions of OpenSearch and Elasticsearch that Amazon OpenSearch Service supports
list_vpc_endpoint_access	Retrieves information about each Amazon Web Services principal that is allowed to access a VPC endpoint
list_vpc_endpoints	Retrieves all Amazon OpenSearch Service-managed VPC endpoints in the current Amazon account
list_vpc_endpoints_for_domain	Retrieves all Amazon OpenSearch Service-managed VPC endpoints associated with a domain
purchase_reserved_instance_offering	Allows you to purchase Amazon OpenSearch Service Reserved Instances
put_default_application_setting	Sets the default application to the application with the specified ARN
register_capability	Registers a capability for an OpenSearch UI application
reject_inbound_connection	Allows the remote Amazon OpenSearch Service domain owner to reject an inbound connection
remove_tags	Removes the specified set of tags from an Amazon OpenSearch Service domain, data source, or application
revoke_vpc_endpoint_access	Revokes access to an Amazon OpenSearch Service domain that was provided through a VPC endpoint
rollback_service_software_update	Rolls back a service software update for a domain to the previous version
start_domain_maintenance	Starts the node maintenance process on the data node
start_migration	Initiates a migration job to migrate saved objects from a data source to an Amazon OpenSearch Service domain
start_service_software_update	Schedules a service software update for an Amazon OpenSearch Service domain
update_application	Updates the configuration and settings of an existing OpenSearch application
update_data_source	Updates a direct-query data source
update_direct_query_data_source	Updates the configuration or properties of an existing direct query data source in Amazon OpenSearch Service
update_domain_config	Modifies the cluster configuration of the specified Amazon OpenSearch Service domain

update_index	Updates an existing OpenSearch index schema and semantic enrichment configuration
update_package	Updates a package for use with Amazon OpenSearch Service domains
update_package_scope	Updates the scope of a package
update_scheduled_action	Reschedules a planned domain configuration change for a later time
update_vpc_endpoint	Modifies an Amazon OpenSearch Service-managed interface VPC endpoint
upgrade_domain	Allows you to either upgrade your Amazon OpenSearch Service domain or perform a

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. • 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. <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	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 <- 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

<code>create_vpc_endpoint</code>	Creates an OpenSearch Serverless-managed interface VPC endpoint
<code>delete_access_policy</code>	Deletes an OpenSearch Serverless access policy
<code>delete_collection</code>	Deletes an OpenSearch Serverless collection
<code>delete_collection_group</code>	Deletes a collection group
<code>delete_index</code>	Deletes an index from an OpenSearch Serverless collection
<code>delete_lifecycle_policy</code>	Deletes an OpenSearch Serverless lifecycle policy
<code>delete_security_config</code>	Deletes a security configuration for OpenSearch Serverless
<code>delete_security_policy</code>	Deletes an OpenSearch Serverless security policy
<code>delete_vpc_endpoint</code>	Deletes an OpenSearch Serverless-managed interface endpoint
<code>get_access_policy</code>	Returns an OpenSearch Serverless access policy
<code>get_account_settings</code>	Returns account-level settings related to OpenSearch Serverless
<code>get_index</code>	Retrieves information about an index in an OpenSearch Serverless collection, including
<code>get_policies_stats</code>	Returns statistical information about your OpenSearch Serverless access policies, secu
<code>get_security_config</code>	Returns information about an OpenSearch Serverless security configuration
<code>get_security_policy</code>	Returns information about a configured OpenSearch Serverless security policy
<code>list_access_policies</code>	Returns information about a list of OpenSearch Serverless access policies
<code>list_collection_groups</code>	Returns a list of collection groups
<code>list_collections</code>	Lists all OpenSearch Serverless collections
<code>list_lifecycle_policies</code>	Returns a list of OpenSearch Serverless lifecycle policies
<code>list_security_configs</code>	Returns information about configured OpenSearch Serverless security configurations
<code>list_security_policies</code>	Returns information about configured OpenSearch Serverless security policies
<code>list_tags_for_resource</code>	Returns the tags for an OpenSearch Serverless resource
<code>list_vpc_endpoints</code>	Returns the OpenSearch Serverless-managed interface VPC endpoints associated with
<code>tag_resource</code>	Associates tags with an OpenSearch Serverless resource
<code>untag_resource</code>	Removes a tag or set of tags from an OpenSearch Serverless resource
<code>update_access_policy</code>	Updates an OpenSearch Serverless access policy
<code>update_account_settings</code>	Update the OpenSearch Serverless settings for the current Amazon Web Services acco
<code>update_collection</code>	Updates an OpenSearch Serverless collection
<code>update_collection_group</code>	Updates the description and capacity limits of a collection group
<code>update_index</code>	Updates an existing index in an OpenSearch Serverless collection
<code>update_lifecycle_policy</code>	Updates an OpenSearch Serverless access policy
<code>update_security_config</code>	Updates a security configuration for OpenSearch Serverless
<code>update_security_policy</code>	Updates an OpenSearch Serverless security policy
<code>update_vpc_endpoint</code>	Updates an OpenSearch Serverless-managed interface endpoint

Examples

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

## End(Not run)
```

quicksight

*Amazon QuickSight***Description**

Amazon 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

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 <- 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

<code>batch_create_topic_reviewed_answer</code>	Creates new reviewed answers for a Q Topic
<code>batch_delete_knowledge_base</code>	Deletes one or more knowledge bases
<code>batch_delete_topic_reviewed_answer</code>	Deletes reviewed answers for Q Topic
<code>batch_describe_user_limits</code>	Describes the effective resource limits for one or more Amazon QuickSight users
<code>cancel_ingestion</code>	Cancels an ongoing ingestion of data into SPICE
<code>create_account_customization</code>	Creates Amazon QuickSight customizations
<code>create_account_subscription</code>	Creates an Amazon QuickSight account, or subscribes to Amazon QuickSight
<code>create_action_connector</code>	Creates an action connector that enables Amazon QuickSight to connect to external data sources
<code>create_agent</code>	Creates an agent in Amazon QuickSight
<code>create_analysis</code>	Creates an analysis in Amazon QuickSight
<code>create_approval_policy</code>	Creates an approval policy in QuickSight
<code>create_brand</code>	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 QuickSight 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 QuickSight
<code>create_group_membership</code>	Adds an Amazon QuickSight user to an Amazon QuickSight group
<code>create_iam_policy_assignment</code>	Creates an assignment with one specified IAM policy, identified by its ARN
<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 Amazon QuickSight
<code>create_o_auth_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 QuickSight 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 dashboard
<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 QuickSight customizations for the account
<code>delete_account_custom_permission</code>	Unapplies a custom permissions profile from an account
<code>delete_account_subscription</code>	Deleting your QuickSight 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 Quick Sight
<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 of the group
<code>delete_iam_policy_assignment</code>	Deletes an existing IAM policy assignment
<code>delete_identity_propagation_config</code>	Deletes all access scopes and authorized targets that are associated with the specified identity propagation configuration
<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 the namespace
<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 ID
<code>delete_user_by_principal_id</code>	Deletes a user identified by its principal ID
<code>delete_user_custom_permission</code>	Deletes a custom permissions profile from a user
<code>delete_vpc_connection</code>	Deletes a VPC connection
<code>describe_account_customization</code>	Describes the customizations associated with the provided Amazon QuickSight account
<code>describe_account_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 was created
<code>describe_account_subscription</code>	Use the DescribeAccountSubscription operation to receive a description of the account subscription
<code>describe_action_connector</code>	Retrieves detailed information about an action connector, including the connector type, status, and configuration
<code>describe_action_connector_permissions</code>	Retrieves the permissions configuration for an action connector, showing the permissions that are granted to the connector
<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 Amazon QuickSight
<code>describe_dlp_setting</code>	Describes the full configuration of a DLP setting in an Amazon Web Services
<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
<code>describe_group_membership</code>	Use the DescribeGroupMembership operation to determine if a user is a member
<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 Quick Sight 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 Quick Sight 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 Quick 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
<code>get_dashboard_embed_url</code>	Generates a temporary session URL and authorization code(bearer token)
<code>get_flow_metadata</code>	Retrieves the metadata of a flow, not including its definition specifying the flow
<code>get_flow_permissions</code>	Get permissions for a flow
<code>get_identity_context</code>	Retrieves the identity context for a Quick Sight user in a specified namespace
<code>get_session_embed_url</code>	Generates a session URL and authorization code that you can use to embed a dashboard
<code>list_action_connectors</code>	Lists all action connectors in the specified Amazon Web Services account
<code>list_agents</code>	Lists all agents in an Amazon QuickSight account
<code>list_analyses</code>	Lists Amazon Quick Sight analyses that exist in the specified Amazon Web Services account
<code>list_approval_policies</code>	Lists all approval policies in the specified Quick Sight account
<code>list_apps</code>	Lists the apps in an Amazon Web Services account
<code>list_asset_bundle_export_jobs</code>	Lists all asset bundle export jobs that have been taken place in the last 14 days
<code>list_asset_bundle_import_jobs</code>	Lists all asset bundle import jobs that have taken place in the last 14 days
<code>list_brands</code>	Lists all brands in an Quick Sight account
<code>list_custom_permissions</code>	Returns a list of all the custom permissions profiles
<code>list_dashboards</code>	Lists dashboards in an Amazon Web Services account
<code>list_dashboard_versions</code>	Lists all the versions of the dashboards in the Amazon Quick Sight account
<code>list_data_sets</code>	Lists all of the datasets belonging to the current Amazon Web Services account
<code>list_data_sources</code>	Lists data sources in current Amazon Web Services Region that belong to the current Amazon QuickSight account
<code>list_dlp_settings</code>	Lists all DLP settings in an Amazon Web Services account
<code>list_flows</code>	Lists flows in an Amazon Web Services account
<code>list_folder_members</code>	List all assets (DASHBOARD, ANALYSIS, and DATASET) in a folder
<code>list_folders</code>	Lists all folders in an account
<code>list_folders_for_resource</code>	List all folders that a resource is a member of
<code>list_group_memberships</code>	Lists member users in a group
<code>list_groups</code>	Lists all user groups in Amazon Quick Sight
<code>list_iam_policy_assignments</code>	Lists the IAM policy assignments in the current Amazon QuickSight account
<code>list_iam_policy_assignments_for_user</code>	Lists all of the IAM policy assignments, including the Amazon Resource
<code>list_identity_propagation_configs</code>	Lists all services and authorized targets that the Quick Sight IAM Identity Center
<code>list_ingestions</code>	Lists the history of SPICE ingestions for a dataset
<code>list_knowledge_bases</code>	Lists all knowledge bases in an Amazon QuickSight account

<code>list_limits_profiles</code>	Lists all limits profiles in an Amazon Quick Sight account
<code>list_namespaces</code>	Lists the namespaces for the specified Amazon Web Services account
<code>list_o_auth_client_applications</code>	Lists all OAuthClientApplications in the current Amazon Web Services account
<code>list_refresh_schedules</code>	Lists the refresh schedules of a dataset
<code>list_role_memberships</code>	Lists all groups that are associated with a role
<code>list_self_upgrades</code>	Lists all self-upgrade requests for a QuickSight account
<code>list_space_resources</code>	Lists the resources in an Amazon QuickSight space
<code>list_spaces</code>	Lists all Amazon QuickSight spaces in an Amazon Web Services account
<code>list_tags_for_resource</code>	Lists the tags assigned to a resource
<code>list_template_aliases</code>	Lists all the aliases of a template
<code>list_templates</code>	Lists all the templates in the current Amazon Quick Sight account
<code>list_template_versions</code>	Lists all the versions of the templates in the current Amazon QuickSight account
<code>list_theme_aliases</code>	Lists all the aliases of a theme
<code>list_themes</code>	Lists all the themes in the current Amazon Web Services account
<code>list_theme_versions</code>	Lists all the versions of the themes in the current Amazon Web Services account
<code>list_topic_refresh_schedules</code>	Lists all of the refresh schedules for a topic
<code>list_topic_reviewed_answers</code>	Lists all reviewed answers for a Q Topic
<code>list_topics</code>	Lists all of the topics within an account
<code>list_topics_v2</code>	Lists all of the Q topics in the specified Amazon Web Services account
<code>list_user_groups</code>	Lists the Amazon Quick Sight groups that an Amazon Quick Sight user belongs to
<code>list_users</code>	Returns a list of all of the Amazon Quick Sight users belonging to the account
<code>list_users_index_capacity</code>	Lists per-user index capacity consumption for an account
<code>list_vpc_connections</code>	Lists all of the VPC connections in the current set Amazon Web Services account
<code>predict_qa_results</code>	Predicts existing visuals or generates new visuals to answer a given question
<code>put_data_set_refresh_properties</code>	Creates or updates the dataset refresh properties for the dataset
<code>register_user</code>	Creates an Amazon Quick Sight user whose identity is associated with the account
<code>restore_analysis</code>	Restores an analysis
<code>search_action_connectors</code>	Searches for action connectors in the specified Amazon Web Services account
<code>search_agents</code>	Searches for agents based on specified filters
<code>search_analyses</code>	Searches for analyses that belong to the user specified in the filter
<code>search_apps</code>	Searches for apps in an Amazon Web Services account using the specified filters
<code>search_dashboards</code>	Searches for dashboards that belong to a user
<code>search_data_sets</code>	Use the SearchDataSets operation to search for datasets that belong to the specified user
<code>search_data_sources</code>	Use the SearchDataSources operation to search for data sources that belong to the specified user
<code>search_flows</code>	Search for the flows in an Amazon Web Services account
<code>search_folders</code>	Searches the subfolders in a folder
<code>search_groups</code>	Use the SearchGroups operation to search groups in a specified QuickSight account
<code>search_knowledge_bases</code>	Searches for a subset of knowledge bases based on specified filters
<code>search_spaces</code>	Searches for Amazon QuickSight spaces that match the specified filters
<code>search_topics</code>	Searches for any Q topic that exists in an QuickSight account
<code>search_topics_v2</code>	Searches for any Q topic that exists in an Amazon Web Services account
<code>start_asset_bundle_export_job</code>	Starts an Asset Bundle export job
<code>start_asset_bundle_import_job</code>	Starts an Asset Bundle import job
<code>start_automation_job</code>	Starts a new job for a specified automation
<code>start_dashboard_snapshot_job</code>	Starts an asynchronous job that generates a snapshot of a dashboard
<code>start_dashboard_snapshot_job_schedule</code>	Starts an asynchronous job that runs an existing dashboard schedule
<code>tag_resource</code>	Assigns one or more tags (key-value pairs) to the specified Amazon Web Services resource
<code>untag_resource</code>	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 Amazon 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
update_dashboard_permissions	Updates read and write permissions on a dashboard
update_dashboard_published_version	Updates the published version of a dashboard
update_dashboards_qa_configuration	Updates a Dashboard QA configuration
update_data_set	Updates a dataset
update_data_set_permissions	Updates the permissions on a dataset
update_data_source	Updates a data source
update_data_source_permissions	Updates the permissions to a data source
update_default_q_business_application	Updates a Amazon Q Business application that is linked to a Quick Sight account
update_dlp_setting	Updates an existing DLP setting configuration in an Amazon Web Services account
update_flow	Updates an existing flow
update_flow_permissions	Updates permissions against principals on a flow
update_folder	Updates the name of a folder
update_folder_permissions	Updates permissions of a folder
update_group	Changes a group description
update_iam_policy_assignment	Updates an existing IAM policy assignment
update_identity_propagation_config	Adds or updates services and authorized targets to configure what the identity provider can access
update_ip_restriction	Updates the content and status of IP rules
update_key_registration	Updates a customer managed key in a Quick Sight account
update_knowledge_base	Updates the properties of an existing knowledge base
update_knowledge_base_permissions	Updates the resource permissions for a knowledge base
update_limits_profile	Updates the properties of an existing limits profile
update_oauth_client_application	Updates an OAuthClientApplication
update_public_sharing_settings	This API controls public sharing settings for your entire Quick Sight account
update_q_personalization_configuration	Updates a personalization configuration
update_quick_sight_q_search_configuration	Updates the state of a Quick Sight Q Search configuration
update_refresh_schedule	Updates a refresh schedule for a dataset
update_role_custom_permission	Updates the custom permissions that are associated with a role
update_self_upgrade	Updates a self-upgrade request for a Quick user by approving, denying, or canceling
update_self_upgrade_configuration	Updates the self-upgrade configuration for a Quick account
update_space	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
<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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