

# Package ‘paws.analytics’

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

**License** Apache License (>= 2.0)

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 'opensearchserviceserverless\_interfaces.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. <ul style="list-style-type: none"> <li>• <b>credentials:</b> <ul style="list-style-type: none"> <li>– <b>creds:</b> <ul style="list-style-type: none"> <li>* <b>access_key_id:</b> AWS access key ID</li> <li>* <b>secret_access_key:</b> AWS secret access key</li> <li>* <b>session_token:</b> AWS temporary session token</li> </ul> </li> <li>– <b>profile:</b> The name of a profile to use. If not given, then the default profile is used.</li> <li>– <b>anonymous:</b> Set anonymous credentials.</li> </ul> </li> </ul>
--------	--

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

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

## Value

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

## Service syntax

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

```

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

```

## Operations

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

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

## Examples

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

## End(Not run)
```

cloudsearch

*Amazon CloudSearch***Description**

Amazon CloudSearch Configuration Service

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

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

**Usage**

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

**Arguments**

config

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

- **credentials:**

- **creds:**

- \* **access\_key\_id:** AWS access key ID
- \* **secret\_access\_key:** AWS secret access key
- \* **session\_token:** AWS temporary session token

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

- **anonymous:** Set anonymous credentials.

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

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

- **close\_connection:** Immediately close all HTTP connections.

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

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

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

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

### Value

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

### Service syntax

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



```
    region = "string"
  )
```

## Operations

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

## Examples

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

## End(Not run)
```

---

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

---

## Description

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

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

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

## Usage

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

## Arguments

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

- **credentials:**

- **creds:**

- \* **access\_key\_id:** AWS access key ID
- \* **secret\_access\_key:** AWS secret access key
- \* **session\_token:** AWS temporary session token

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

- **anonymous:** Set anonymous credentials.

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

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

- **close\_connection:** Immediately close all HTTP connections.

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

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

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

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

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

### Value

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

### Service syntax

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

**Operations**

<a href="#">search</a>	Retrieves a list of documents that match the specified search criteria
<a href="#">suggest</a>	Retrieves autocomplete suggestions for a partial query string
<a href="#">upload_documents</a>	Posts a batch of documents to a search domain for indexing

**Examples**

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

## End(Not run)
```

---

 datapipeline

*AWS Data Pipeline*


---

**Description**

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

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

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

**Usage**

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

**Arguments**

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

**Value**

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

**Service syntax**

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

```

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

```

## Operations

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

## Examples

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

## End(Not run)
```

---

datazone

*Amazon DataZone*

---

## Description

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

## Usage

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

## Arguments

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

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

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

### Value

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

### Service syntax

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



```

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

```

## Operations

<a href="#">accept_predictions</a>	Accepts automatically generated business-friendly metadata for your Amazon
<a href="#">accept_subscription_request</a>	Accepts a subscription request to a specific asset
<a href="#">cancel_metadata_generation_run</a>	Cancels the metadata generation run
<a href="#">cancel_subscription</a>	Cancels the subscription to the specified asset
<a href="#">create_asset</a>	Creates an asset in Amazon DataZone catalog
<a href="#">create_asset_revision</a>	Creates a revision of the asset
<a href="#">create_asset_type</a>	Creates a custom asset type
<a href="#">create_data_source</a>	Creates an Amazon DataZone data source
<a href="#">create_domain</a>	Creates an Amazon DataZone domain
<a href="#">create_environment</a>	Create an Amazon DataZone environment
<a href="#">create_environment_profile</a>	Creates an Amazon DataZone environment profile
<a href="#">create_form_type</a>	Creates a metadata form type
<a href="#">create_glossary</a>	Creates an Amazon DataZone business glossary
<a href="#">create_glossary_term</a>	Creates a business glossary term
<a href="#">create_group_profile</a>	Creates a group profile in Amazon DataZone
<a href="#">create_listing_change_set</a>	Publishes a listing (a record of an asset at a given time) or removes a listing fro
<a href="#">create_project</a>	Creates an Amazon DataZone project
<a href="#">create_project_membership</a>	Creates a project membership in Amazon DataZone
<a href="#">create_subscription_grant</a>	Creates a subscription grant in Amazon DataZone
<a href="#">create_subscription_request</a>	Creates a subscription request in Amazon DataZone
<a href="#">create_subscription_target</a>	Creates a subscription target in Amazon DataZone
<a href="#">create_user_profile</a>	Creates a user profile in Amazon DataZone
<a href="#">delete_asset</a>	Deletes an asset in Amazon DataZone
<a href="#">delete_asset_type</a>	Deletes an asset type in Amazon DataZone
<a href="#">delete_data_source</a>	Deletes a data source in Amazon DataZone
<a href="#">delete_domain</a>	Deletes a Amazon DataZone domain
<a href="#">delete_environment</a>	Deletes an environment in Amazon DataZone
<a href="#">delete_environment_blueprint_configuration</a>	Deletes the blueprint configuration in Amazon DataZone
<a href="#">delete_environment_profile</a>	Deletes an environment profile in Amazon DataZone
<a href="#">delete_form_type</a>	Deletes and metadata form type in Amazon DataZone
<a href="#">delete_glossary</a>	Deletes a business glossary in Amazon DataZone
<a href="#">delete_glossary_term</a>	Deletes a business glossary term in Amazon DataZone
<a href="#">delete_listing</a>	Deletes a listing (a record of an asset at a given time)
<a href="#">delete_project</a>	Deletes a project in Amazon DataZone
<a href="#">delete_project_membership</a>	Deletes project membership in Amazon DataZone
<a href="#">delete_subscription_grant</a>	Deletes and subscription grant in Amazon DataZone
<a href="#">delete_subscription_request</a>	Deletes a subscription request in Amazon DataZone
<a href="#">delete_subscription_target</a>	Deletes a subscription target in Amazon DataZone
<a href="#">delete_time_series_data_points</a>	Deletes the specified time series form for the specified asset
<a href="#">get_asset</a>	Gets an Amazon DataZone asset

<a href="#">get_asset_type</a>	Gets an Amazon DataZone asset type
<a href="#">get_data_source</a>	Gets an Amazon DataZone data source
<a href="#">get_data_source_run</a>	Gets an Amazon DataZone data source run
<a href="#">get_domain</a>	Gets an Amazon DataZone domain
<a href="#">get_environment</a>	Gets an Amazon DataZone environment
<a href="#">get_environment_blueprint</a>	Gets an Amazon DataZone blueprint
<a href="#">get_environment_blueprint_configuration</a>	Gets the blueprint configuration in Amazon DataZone
<a href="#">get_environment_profile</a>	Gets an environment profile in Amazon DataZone
<a href="#">get_form_type</a>	Gets a metadata form type in Amazon DataZone
<a href="#">get_glossary</a>	Gets a business glossary in Amazon DataZone
<a href="#">get_glossary_term</a>	Gets a business glossary term in Amazon DataZone
<a href="#">get_group_profile</a>	Gets a group profile in Amazon DataZone
<a href="#">get_iam_portal_login_url</a>	Gets the data portal URL for the specified Amazon DataZone domain
<a href="#">get_listing</a>	Gets a listing (a record of an asset at a given time)
<a href="#">get_metadata_generation_run</a>	Gets a metadata generation run in Amazon DataZone
<a href="#">get_project</a>	Gets a project in Amazon DataZone
<a href="#">get_subscription</a>	Gets a subscription in Amazon DataZone
<a href="#">get_subscription_grant</a>	Gets the subscription grant in Amazon DataZone
<a href="#">get_subscription_request_details</a>	Gets the details of the specified subscription request
<a href="#">get_subscription_target</a>	Gets the subscription target in Amazon DataZone
<a href="#">get_time_series_data_point</a>	Gets the existing data point for the asset
<a href="#">get_user_profile</a>	Gets a user profile in Amazon DataZone
<a href="#">list_asset_revisions</a>	Lists the revisions for the asset
<a href="#">list_data_source_run_activities</a>	Lists data source run activities
<a href="#">list_data_source_runs</a>	Lists data source runs in Amazon DataZone
<a href="#">list_data_sources</a>	Lists data sources in Amazon DataZone
<a href="#">list_domains</a>	Lists Amazon DataZone domains
<a href="#">list_environment_blueprint_configurations</a>	Lists blueprint configurations for a Amazon DataZone environment
<a href="#">list_environment_blueprints</a>	Lists blueprints in an Amazon DataZone environment
<a href="#">list_environment_profiles</a>	Lists Amazon DataZone environment profiles
<a href="#">list_environments</a>	Lists Amazon DataZone environments
<a href="#">list_metadata_generation_runs</a>	Lists all metadata generation runs
<a href="#">list_notifications</a>	Lists all Amazon DataZone notifications
<a href="#">list_project_memberships</a>	Lists all members of the specified project
<a href="#">list_projects</a>	Lists Amazon DataZone projects
<a href="#">list_subscription_grants</a>	Lists subscription grants
<a href="#">list_subscription_requests</a>	Lists Amazon DataZone subscription requests
<a href="#">list_subscriptions</a>	Lists subscriptions in Amazon DataZone
<a href="#">list_subscription_targets</a>	Lists subscription targets in Amazon DataZone
<a href="#">list_tags_for_resource</a>	Lists tags for the specified resource in Amazon DataZone
<a href="#">list_time_series_data_points</a>	Lists time series data points
<a href="#">post_time_series_data_points</a>	Posts time series data points to Amazon DataZone for the specified asset
<a href="#">put_environment_blueprint_configuration</a>	Writes the configuration for the specified environment blueprint in Amazon DataZone
<a href="#">reject_predictions</a>	Rejects automatically generated business-friendly metadata for your Amazon DataZone
<a href="#">reject_subscription_request</a>	Rejects the specified subscription request
<a href="#">revoke_subscription</a>	Revokes a specified subscription in Amazon DataZone
<a href="#">search</a>	Searches for assets in Amazon DataZone
<a href="#">search_group_profiles</a>	Searches group profiles in Amazon DataZone

<a href="#">search_listings</a>	Searches listings (records of an asset at a given time) in Amazon DataZone
<a href="#">search_types</a>	Searches for types in Amazon DataZone
<a href="#">search_user_profiles</a>	Searches user profiles in Amazon DataZone
<a href="#">start_data_source_run</a>	Start the run of the specified data source in Amazon DataZone
<a href="#">start_metadata_generation_run</a>	Starts the metadata generation run
<a href="#">tag_resource</a>	Tags a resource in Amazon DataZone
<a href="#">untag_resource</a>	Untags a resource in Amazon DataZone
<a href="#">update_data_source</a>	Updates the specified data source in Amazon DataZone
<a href="#">update_domain</a>	Updates a Amazon DataZone domain
<a href="#">update_environment</a>	Updates the specified environment in Amazon DataZone
<a href="#">update_environment_profile</a>	Updates the specified environment profile in Amazon DataZone
<a href="#">update_glossary</a>	Updates the business glossary in Amazon DataZone
<a href="#">update_glossary_term</a>	Updates a business glossary term in Amazon DataZone
<a href="#">update_group_profile</a>	Updates the specified group profile in Amazon DataZone
<a href="#">update_project</a>	Updates the specified project in Amazon DataZone
<a href="#">update_subscription_grant_status</a>	Updates the status of the specified subscription grant status in Amazon DataZone
<a href="#">update_subscription_request</a>	Updates a specified subscription request in Amazon DataZone
<a href="#">update_subscription_target</a>	Updates the specified subscription target in Amazon DataZone
<a href="#">update_user_profile</a>	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. <ul style="list-style-type: none"> <li>• <b>credentials:</b> <ul style="list-style-type: none"> <li>– <b>creds:</b> <ul style="list-style-type: none"> <li>* <b>access_key_id:</b> AWS access key ID</li> <li>* <b>secret_access_key:</b> AWS secret access key</li> <li>* <b>session_token:</b> AWS temporary session token</li> </ul> </li> <li>– <b>profile:</b> The name of a profile to use. If not given, then the default profile is used.</li> <li>– <b>anonymous:</b> Set anonymous credentials.</li> </ul> </li> <li>• <b>endpoint:</b> The complete URL to use for the constructed client.</li> <li>• <b>region:</b> The AWS Region used in instantiating the client.</li> <li>• <b>close_connection:</b> Immediately close all HTTP connections.</li> <li>• <b>timeout:</b> The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds.</li> <li>• <b>s3_force_path_style:</b> Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>.</li> <li>• <b>sts_regional_endpoint:</b> Set sts regional endpoint resolver to regional or legacy <a href="https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html">https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html</a></li> </ul>
credentials	Optional credentials shorthand for the config parameter <ul style="list-style-type: none"> <li>• <b>creds:</b> <ul style="list-style-type: none"> <li>– <b>access_key_id:</b> AWS access key ID</li> <li>– <b>secret_access_key:</b> AWS secret access key</li> <li>– <b>session_token:</b> AWS temporary session token</li> </ul> </li> <li>• <b>profile:</b> The name of a profile to use. If not given, then the default profile is used.</li> <li>• <b>anonymous:</b> Set anonymous credentials.</li> </ul>
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"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
  ),
  endpoint = "string",
  region = "string"
)

```

**Operations**

<a href="#">accept_inbound_cross_cluster_search_connection</a>	Allows the destination domain owner to accept an inbound cross-cluster search connection
<a href="#">add_tags</a>	Attaches tags to an existing Elasticsearch domain
<a href="#">associate_package</a>	Associates a package with an Amazon ES domain
<a href="#">authorize_vpc_endpoint_access</a>	Provides access to an Amazon OpenSearch Service domain through a VPC endpoint
<a href="#">cancel_domain_config_change</a>	Cancels a pending configuration change on an Amazon OpenSearch Service domain
<a href="#">cancel_elasticsearch_service_software_update</a>	Cancels a scheduled service software update for an Amazon ES domain
<a href="#">create_elasticsearch_domain</a>	Creates a new Elasticsearch domain
<a href="#">create_outbound_cross_cluster_search_connection</a>	Creates a new cross-cluster search connection from a source domain to a destination domain
<a href="#">create_package</a>	Create a package for use with Amazon ES domains
<a href="#">create_vpc_endpoint</a>	Creates an Amazon OpenSearch Service-managed VPC endpoint
<a href="#">delete_elasticsearch_domain</a>	Permanently deletes the specified Elasticsearch domain and all of its data
<a href="#">delete_elasticsearch_service_role</a>	Deletes the service-linked role that Elasticsearch Service uses to manage domains
<a href="#">delete_inbound_cross_cluster_search_connection</a>	Allows the destination domain owner to delete an existing inbound cross-cluster search connection
<a href="#">delete_outbound_cross_cluster_search_connection</a>	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 Amazon ES domain
<code>describe_vpc_endpoints</code>	Describes one or more Amazon OpenSearch Service-managed VPC endpoints
<code>dissociate_package</code>	Dissociates a package from the Amazon ES domain
<code>get_compatible_elasticsearch_versions</code>	Returns a list of upgrade compatible Elasticsearch versions
<code>get_package_version_history</code>	Returns a list of versions of the package, along with their creation time
<code>get_upgrade_history</code>	Retrieves the complete history of the last 10 upgrades that were performed 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 VPC endpoint
<code>list_vpc_endpoints</code>	Retrieves all Amazon OpenSearch Service-managed VPC endpoints in the domain
<code>list_vpc_endpoints_for_domain</code>	Retrieves all Amazon OpenSearch Service-managed VPC endpoints in the domain
<code>purchase_reserved_elasticsearch_instance_offering</code>	Allows you to purchase reserved Elasticsearch instances
<code>reject_inbound_cross_cluster_search_connection</code>	Allows the destination domain owner to reject an inbound cross-cluster search connection
<code>remove_tags</code>	Removes the specified set of tags from the specified Elasticsearch domain
<code>revoke_vpc_endpoint_access</code>	Revokes access to an Amazon OpenSearch Service domain that was previously granted
<code>start_elasticsearch_service_software_update</code>	Schedules a service software update for an Amazon ES domain
<code>update_elasticsearch_domain_config</code>	Modifies the cluster configuration of the specified Elasticsearch domain
<code>update_package</code>	Updates a package for use with Amazon ES domains
<code>update_vpc_endpoint</code>	Modifies an Amazon OpenSearch Service-managed interface VPC endpoint
<code>upgrade_elasticsearch_domain</code>	Allows you to either upgrade your domain or perform an Upgrade eligibility check

## Examples

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

emr

*Amazon EMR***Description**

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

**Usage**

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

**Arguments**

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

- **credentials:**

- **creds:**

- \* **access\_key\_id:** AWS access key ID
- \* **secret\_access\_key:** AWS secret access key
- \* **session\_token:** AWS temporary session token

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

- **anonymous:** Set anonymous credentials.

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

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

- **close\_connection:** Immediately close all HTTP connections.

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

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

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

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

- **creds:**

- **access\_key\_id:** AWS access key ID
- **secret\_access\_key:** AWS secret access key
- **session\_token:** AWS temporary session token

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

- **anonymous**: Set anonymous credentials.
- endpoint      Optional shorthand for complete URL to use for the constructed client.
- region        Optional shorthand for AWS Region used in instantiating the client.

### Value

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

### Service syntax

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

### Operations

<a href="#">add_instance_fleet</a>	Adds an instance fleet to a running cluster
<a href="#">add_instance_groups</a>	Adds one or more instance groups to a running cluster
<a href="#">add_job_flow_steps</a>	AddJobFlowSteps adds new steps to a running cluster



<a href="#">add_tags</a>	Adds tags to an Amazon EMR resource, such as a cluster or an Amazon EMR Studio
<a href="#">cancel_steps</a>	Cancels a pending step or steps in a running cluster
<a href="#">create_security_configuration</a>	Creates a security configuration, which is stored in the service and can be specified on a cluster
<a href="#">create_studio</a>	Creates a new Amazon EMR Studio
<a href="#">create_studio_session_mapping</a>	Maps a user or group to the Amazon EMR Studio specified by StudioId, and applies the mapping to the specified Amazon EMR Studio
<a href="#">delete_security_configuration</a>	Deletes a security configuration
<a href="#">delete_studio</a>	Removes an Amazon EMR Studio from the Studio metadata store
<a href="#">delete_studio_session_mapping</a>	Removes a user or group from an Amazon EMR Studio
<a href="#">describe_cluster</a>	Provides cluster-level details including status, hardware and software configuration
<a href="#">describe_job_flows</a>	This API is no longer supported and will eventually be removed
<a href="#">describe_notebook_execution</a>	Provides details of a notebook execution
<a href="#">describe_release_label</a>	Provides Amazon EMR release label details, such as the releases available the Region
<a href="#">describe_security_configuration</a>	Provides the details of a security configuration by returning the configuration JSON
<a href="#">describe_step</a>	Provides more detail about the cluster step
<a href="#">describe_studio</a>	Returns details for the specified Amazon EMR Studio including ID, Name, VPC, and other metadata
<a href="#">get_auto_termination_policy</a>	Returns the auto-termination policy for an Amazon EMR cluster
<a href="#">get_block_public_access_configuration</a>	Returns the Amazon EMR block public access configuration for your Amazon Web Services account
<a href="#">get_cluster_session_credentials</a>	Provides temporary, HTTP basic credentials that are associated with a given runtime
<a href="#">get_managed_scaling_policy</a>	Fetches the attached managed scaling policy for an Amazon EMR cluster
<a href="#">get_studio_session_mapping</a>	Fetches mapping details for the specified Amazon EMR Studio and identity (user or group)
<a href="#">list_bootstrap_actions</a>	Provides information about the bootstrap actions associated with a cluster
<a href="#">list_clusters</a>	Provides the status of all clusters visible to this Amazon Web Services account
<a href="#">list_instance_fleets</a>	Lists all available details about the instance fleets in a cluster
<a href="#">list_instance_groups</a>	Provides all available details about the instance groups in a cluster
<a href="#">list_instances</a>	Provides information for all active Amazon EC2 instances and Amazon EC2 instance fleets
<a href="#">list_notebook_executions</a>	Provides summaries of all notebook executions
<a href="#">list_release_labels</a>	Retrieves release labels of Amazon EMR services in the Region where the API is called
<a href="#">list_security_configurations</a>	Lists all the security configurations visible to this account, providing their creation time
<a href="#">list_steps</a>	Provides a list of steps for the cluster in reverse order unless you specify stepIds with the request
<a href="#">list_studios</a>	Returns a list of all Amazon EMR Studios associated with the Amazon Web Services account
<a href="#">list_studio_session_mappings</a>	Returns a list of all user or group session mappings for the Amazon EMR Studio specified
<a href="#">list_supported_instance_types</a>	A list of the instance types that Amazon EMR supports
<a href="#">modify_cluster</a>	Modifies the number of steps that can be executed concurrently for the cluster specified
<a href="#">modify_instance_fleet</a>	Modifies the target On-Demand and target Spot capacities for the instance fleet with the specified name
<a href="#">modify_instance_groups</a>	ModifyInstanceGroups modifies the number of nodes and configuration settings of the instance groups
<a href="#">put_auto_scaling_policy</a>	Creates or updates an automatic scaling policy for a core instance group or task instance group
<a href="#">put_auto_termination_policy</a>	Auto-termination is supported in Amazon EMR releases 5
<a href="#">put_block_public_access_configuration</a>	Creates or updates an Amazon EMR block public access configuration for your Amazon Web Services account
<a href="#">put_managed_scaling_policy</a>	Creates or updates a managed scaling policy for an Amazon EMR cluster
<a href="#">remove_auto_scaling_policy</a>	Removes an automatic scaling policy from a specified instance group within an Amazon EMR cluster
<a href="#">remove_auto_termination_policy</a>	Removes an auto-termination policy from an Amazon EMR cluster
<a href="#">remove_managed_scaling_policy</a>	Removes a managed scaling policy from a specified Amazon EMR cluster
<a href="#">remove_tags</a>	Removes tags from an Amazon EMR resource, such as a cluster or Amazon EMR Studio
<a href="#">run_job_flow</a>	RunJobFlow creates and starts running a new cluster (job flow)
<a href="#">set_keep_job_flow_alive_when_no_steps</a>	You can use the SetKeepJobFlowAliveWhenNoSteps to configure a cluster (job flow) to keep running
<a href="#">set_termination_protection</a>	SetTerminationProtection locks a cluster (job flow) so the Amazon EC2 instances cannot be terminated
<a href="#">set_unhealthy_node_replacement</a>	Specify whether to enable unhealthy node replacement, which lets Amazon EMR replace unhealthy nodes
<a href="#">set_visible_to_all_users</a>	The SetVisibleToAllUsers parameter is no longer supported

<a href="#">start_notebook_execution</a>	Starts a notebook execution
<a href="#">stop_notebook_execution</a>	Stops a notebook execution
<a href="#">terminate_job_flows</a>	TerminateJobFlows shuts a list of clusters (job flows) down
<a href="#">update_studio</a>	Updates an Amazon EMR Studio configuration, including attributes such as name
<a href="#">update_studio_session_mapping</a>	Updates the session policy attached to the user or group for the specified Amazon

## Examples

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

## End(Not run)
```

---

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

---

## Description

Welcome to the *Entity Resolution API Reference*.

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

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

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

## Usage

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

## Arguments

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

## Value

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

## Service syntax

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

```

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

```

## Operations

<a href="#">add_policy_statement</a>	Adds a policy statement object
<a href="#">batch_delete_unique_id</a>	Deletes multiple unique IDs in a matching workflow
<a href="#">create_id_mapping_workflow</a>	Creates an IdMappingWorkflow object which stores the configuration of the data processing job
<a href="#">create_id_namespace</a>	Creates an ID namespace object which will help customers provide metadata explaining their records
<a href="#">create_matching_workflow</a>	Creates a MatchingWorkflow object which stores the configuration of the data processing job
<a href="#">create_schema_mapping</a>	Creates a schema mapping, which defines the schema of the input customer records table
<a href="#">delete_id_mapping_workflow</a>	Deletes the IdMappingWorkflow with a given name
<a href="#">delete_id_namespace</a>	Deletes the IdNamespace with a given name
<a href="#">delete_matching_workflow</a>	Deletes the MatchingWorkflow with a given name
<a href="#">delete_policy_statement</a>	Deletes the policy statement
<a href="#">delete_schema_mapping</a>	Deletes the SchemaMapping with a given name
<a href="#">get_id_mapping_job</a>	Gets the status, metrics, and errors (if there are any) that are associated with a job
<a href="#">get_id_mapping_workflow</a>	Returns the IdMappingWorkflow with a given name, if it exists
<a href="#">get_id_namespace</a>	Returns the IdNamespace with a given name, if it exists
<a href="#">get_match_id</a>	Returns the corresponding Match ID of a customer record if the record has been processed
<a href="#">get_matching_job</a>	Gets the status, metrics, and errors (if there are any) that are associated with a job
<a href="#">get_matching_workflow</a>	Returns the MatchingWorkflow with a given name, if it exists
<a href="#">get_policy</a>	Returns the resource-based policy
<a href="#">get_provider_service</a>	Returns the ProviderService of a given name
<a href="#">get_schema_mapping</a>	Returns the SchemaMapping of a given name

<a href="#">list_id_mapping_jobs</a>	Lists all ID mapping jobs for a given workflow
<a href="#">list_id_mapping_workflows</a>	Returns a list of all the IdMappingWorkflows that have been created for an Amazon Web Service
<a href="#">list_id_namespaces</a>	Returns a list of all ID namespaces
<a href="#">list_matching_jobs</a>	Lists all jobs for a given workflow
<a href="#">list_matching_workflows</a>	Returns a list of all the MatchingWorkflows that have been created for an Amazon Web Service
<a href="#">list_provider_services</a>	Returns a list of all the ProviderServices that are available in this Amazon Web Services Region
<a href="#">list_schema_mappings</a>	Returns a list of all the SchemaMappings that have been created for an Amazon Web Service
<a href="#">list_tags_for_resource</a>	Displays the tags associated with an Entity Resolution resource
<a href="#">put_policy</a>	Updates the resource-based policy
<a href="#">start_id_mapping_job</a>	Starts the IdMappingJob of a workflow
<a href="#">start_matching_job</a>	Starts the MatchingJob of a workflow
<a href="#">tag_resource</a>	Assigns one or more tags (key-value pairs) to the specified Entity Resolution resource
<a href="#">untag_resource</a>	Removes one or more tags from the specified Entity Resolution resource
<a href="#">update_id_mapping_workflow</a>	Updates an existing IdMappingWorkflow
<a href="#">update_id_namespace</a>	Updates an existing ID namespace
<a href="#">update_matching_workflow</a>	Updates an existing MatchingWorkflow
<a href="#">update_schema_mapping</a>	Updates a schema mapping

## Examples

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

## End(Not run)
```

---

firehose

*Amazon Kinesis Firehose*

---

## Description

Amazon Data Firehose

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

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

## Usage

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

## Arguments

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

## Value

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

## Service syntax

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

```

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

```

## Operations

<a href="#">create_delivery_stream</a>	Creates a Firehose delivery stream
<a href="#">delete_delivery_stream</a>	Deletes a delivery stream and its data
<a href="#">describe_delivery_stream</a>	Describes the specified delivery stream and its status
<a href="#">list_delivery_streams</a>	Lists your delivery streams in alphabetical order of their names
<a href="#">list_tags_for_delivery_stream</a>	Lists the tags for the specified delivery stream
<a href="#">put_record</a>	Writes a single data record into an Amazon Firehose delivery stream
<a href="#">put_record_batch</a>	Writes multiple data records into a delivery stream in a single call, which can achieve high
<a href="#">start_delivery_stream_encryption</a>	Enables server-side encryption (SSE) for the delivery stream
<a href="#">stop_delivery_stream_encryption</a>	Disables server-side encryption (SSE) for the delivery stream
<a href="#">tag_delivery_stream</a>	Adds or updates tags for the specified delivery stream
<a href="#">untag_delivery_stream</a>	Removes tags from the specified delivery stream
<a href="#">update_destination</a>	Updates the specified destination of the specified delivery 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	<p>Optional configuration of credentials, endpoint, and/or region.</p> <ul style="list-style-type: none"> <li>• <b>credentials:</b> <ul style="list-style-type: none"> <li>– <b>creds:</b> <ul style="list-style-type: none"> <li>* <b>access_key_id:</b> AWS access key ID</li> <li>* <b>secret_access_key:</b> AWS secret access key</li> <li>* <b>session_token:</b> AWS temporary session token</li> </ul> </li> <li>– <b>profile:</b> The name of a profile to use. If not given, then the default profile is used.</li> <li>– <b>anonymous:</b> Set anonymous credentials.</li> </ul> </li> <li>• <b>endpoint:</b> The complete URL to use for the constructed client.</li> <li>• <b>region:</b> The AWS Region used in instantiating the client.</li> <li>• <b>close_connection:</b> Immediately close all HTTP connections.</li> <li>• <b>timeout:</b> The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds.</li> <li>• <b>s3_force_path_style:</b> Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>.</li> <li>• <b>sts_regional_endpoint:</b> Set sts regional endpoint resolver to regional or legacy <a href="https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html">https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html</a></li> </ul>
credentials	<p>Optional credentials shorthand for the config parameter</p> <ul style="list-style-type: none"> <li>• <b>creds:</b> <ul style="list-style-type: none"> <li>– <b>access_key_id:</b> AWS access key ID</li> <li>– <b>secret_access_key:</b> AWS secret access key</li> <li>– <b>session_token:</b> AWS temporary session token</li> </ul> </li> </ul>



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

### Value

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

### Service syntax

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

### Operations

[batch\\_create\\_partition](#)

Creates one or more partitions in a batch operation

<code>batch_delete_connection</code>	Deletes a list of connection definitions from the Data Catalog
<code>batch_delete_partition</code>	Deletes one or more partitions in a batch operation
<code>batch_delete_table</code>	Deletes multiple tables at once
<code>batch_delete_table_version</code>	Deletes a specified batch of versions of a table
<code>batch_get_blueprints</code>	Retrieves information about a list of blueprints
<code>batch_get_crawlers</code>	Returns a list of resource metadata for a given list of crawler names
<code>batch_get_custom_entity_types</code>	Retrieves the details for the custom patterns specified by a list of names
<code>batch_get_data_quality_result</code>	Retrieves a list of data quality results for the specified result IDs
<code>batch_get_dev_endpoints</code>	Returns a list of resource metadata for a given list of development endpoint
<code>batch_get_jobs</code>	Returns a list of resource metadata for a given list of job names
<code>batch_get_partition</code>	Retrieves partitions in a batch request
<code>batch_get_table_optimizer</code>	Returns the configuration for the specified table optimizers
<code>batch_get_triggers</code>	Returns a list of resource metadata for a given list of trigger names
<code>batch_get_workflows</code>	Returns a list of resource metadata for a given list of workflow names
<code>batch_stop_job_run</code>	Stops one or more job runs for a specified job definition
<code>batch_update_partition</code>	Updates one or more partitions in a batch operation
<code>cancel_data_quality_rule_recommendation_run</code>	Cancels the specified recommendation run that was being used to generate r
<code>cancel_data_quality_ruleset_evaluation_run</code>	Cancels a run where a ruleset is being evaluated against a data source
<code>cancel_ml_task_run</code>	Cancels (stops) a task run
<code>cancel_statement</code>	Cancels the statement
<code>check_schema_version_validity</code>	Validates the supplied schema
<code>create_blueprint</code>	Registers a blueprint with Glue
<code>create_classifier</code>	Creates a classifier in the user's account
<code>create_connection</code>	Creates a connection definition in the Data Catalog
<code>create_crawler</code>	Creates a new crawler with specified targets, role, configuration, and option
<code>create_custom_entity_type</code>	Creates a custom pattern that is used to detect sensitive data across the column
<code>create_database</code>	Creates a new database in a Data Catalog
<code>create_data_quality_ruleset</code>	Creates a data quality ruleset with DQDL rules applied to a specified Glue t
<code>create_dev_endpoint</code>	Creates a new development endpoint
<code>create_job</code>	Creates a new job definition
<code>create_ml_transform</code>	Creates an Glue machine learning transform
<code>create_partition</code>	Creates a new partition
<code>create_partition_index</code>	Creates a specified partition index in an existing table
<code>create_registry</code>	Creates a new registry which may be used to hold a collection of schemas
<code>create_schema</code>	Creates a new schema set and registers the schema definition
<code>create_script</code>	Transforms a directed acyclic graph (DAG) into code
<code>create_security_configuration</code>	Creates a new security configuration
<code>create_session</code>	Creates a new session
<code>create_table</code>	Creates a new table definition in the Data Catalog
<code>create_table_optimizer</code>	Creates a new table optimizer for a specific function
<code>create_trigger</code>	Creates a new trigger
<code>create_user_defined_function</code>	Creates a new function definition in the Data Catalog
<code>create_workflow</code>	Creates a new workflow
<code>delete_blueprint</code>	Deletes an existing blueprint
<code>delete_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_connection</code>	Deletes a connection from the Data Catalog

<code>delete_crawler</code>	Removes a specified crawler from the Glue Data Catalog, unless the crawler is in a state that prevents deletion.
<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_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_user_defined_function</code>	Deletes an existing function definition from the Data Catalog
<code>delete_workflow</code>	Deletes a workflow
<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_import_status</code>	Retrieves the status of a migration operation
<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_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_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_dataflow_graph</code>	Transforms a Python script into a directed acyclic graph (DAG)
<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_job</code>	Retrieves an existing job definition

<code>get_job_bookmark</code>	Returns information on a job bookmark entry
<code>get_job_run</code>	Retrieves the metadata for a given job run
<code>get_job_runs</code>	Retrieves metadata for all runs of a given job definition
<code>get_jobs</code>	Retrieves all current job definitions
<code>get_mapping</code>	Creates mappings
<code>get_ml_task_run</code>	Gets details for a specific task run on a machine learning transform
<code>get_ml_task_runs</code>	Gets a list of runs for a machine learning transform
<code>get_ml_transform</code>	Gets an Glue machine learning transform artifact and all its corresponding metadata
<code>get_ml_transforms</code>	Gets a sortable, filterable list of existing Glue machine learning transforms
<code>get_partition</code>	Retrieves information about a specified partition
<code>get_partition_indexes</code>	Retrieves the partition indexes associated with a table
<code>get_partitions</code>	Retrieves information about the partitions in a table
<code>get_plan</code>	Gets code to perform a specified mapping
<code>get_registry</code>	Describes the specified registry in detail
<code>get_resource_policies</code>	Retrieves the resource policies set on individual resources by Resource Access Manager
<code>get_resource_policy</code>	Retrieves a specified resource policy
<code>get_schema</code>	Describes the specified schema in detail
<code>get_schema_by_definition</code>	Retrieves a schema by the SchemaDefinition
<code>get_schema_version</code>	Get the specified schema by its unique ID assigned when a version of the schema is created
<code>get_schema_versions_diff</code>	Fetches the schema version difference in the specified difference type between two versions
<code>get_security_configuration</code>	Retrieves a specified security configuration
<code>get_security_configurations</code>	Retrieves a list of all security configurations
<code>get_session</code>	Retrieves the session
<code>get_statement</code>	Retrieves the statement
<code>get_table</code>	Retrieves the Table definition in a Data Catalog for a specified table
<code>get_table_optimizer</code>	Returns the configuration of all optimizers associated with a specified table
<code>get_tables</code>	Retrieves the definitions of some or all of the tables in a given Database
<code>get_table_version</code>	Retrieves a specified version of a table
<code>get_table_versions</code>	Retrieves a list of strings that identify available versions of a specified table
<code>get_tags</code>	Retrieves a list of tags associated with a resource
<code>get_trigger</code>	Retrieves the definition of a trigger
<code>get_triggers</code>	Gets all the triggers associated with a job
<code>get_unfiltered_partition_metadata</code>	Retrieves partition metadata from the Data Catalog that contains unfiltered metadata
<code>get_unfiltered_partitions_metadata</code>	Retrieves partition metadata from the Data Catalog that contains unfiltered metadata
<code>get_unfiltered_table_metadata</code>	Allows a third-party analytical engine to retrieve unfiltered table metadata from the Data Catalog
<code>get_user_defined_function</code>	Retrieves a specified function definition from the Data Catalog
<code>get_user_defined_functions</code>	Retrieves multiple function definitions from the Data Catalog
<code>get_workflow</code>	Retrieves resource metadata for a workflow
<code>get_workflow_run</code>	Retrieves the metadata for a given workflow run
<code>get_workflow_run_properties</code>	Retrieves the workflow run properties which were set during the run
<code>get_workflow_runs</code>	Retrieves metadata for all runs of a given workflow
<code>import_catalog_to_glue</code>	Imports an existing Amazon Athena Data Catalog to Glue
<code>list_blueprints</code>	Lists all the blueprint names in an account
<code>list_column_statistics_task_runs</code>	List all task runs for a particular account
<code>list_crawlers</code>	Retrieves the names of all crawler resources in this Amazon Web Services account
<code>list_crawls</code>	Returns all the crawls of a specified crawler
<code>list_custom_entity_types</code>	Lists all the custom patterns that have been created
<code>list_data_quality_results</code>	Returns all data quality execution results for your account

<a href="#">list_data_quality_rule_recommendation_runs</a>	Lists the recommendation runs meeting the filter criteria
<a href="#">list_data_quality_ruleset_evaluation_runs</a>	Lists all the runs meeting the filter criteria, where a ruleset is evaluated again
<a href="#">list_data_quality_rulesets</a>	Returns a paginated list of rulesets for the specified list of Glue tables
<a href="#">list_dev_endpoints</a>	Retrieves the names of all DevEndpoint resources in this Amazon Web Services account
<a href="#">list_jobs</a>	Retrieves the names of all job resources in this Amazon Web Services account
<a href="#">list_ml_transforms</a>	Retrieves a sortable, filterable list of existing Glue machine learning transforms
<a href="#">list_registries</a>	Returns a list of registries that you have created, with minimal registry information
<a href="#">list_schemas</a>	Returns a list of schemas with minimal details
<a href="#">list_schema_versions</a>	Returns a list of schema versions that you have created, with minimal information
<a href="#">list_sessions</a>	Retrieve a list of sessions
<a href="#">list_statements</a>	Lists statements for the session
<a href="#">list_table_optimizer_runs</a>	Lists the history of previous optimizer runs for a specific table
<a href="#">list_triggers</a>	Retrieves the names of all trigger resources in this Amazon Web Services account
<a href="#">list_workflows</a>	Lists names of workflows created in the account
<a href="#">put_data_catalog_encryption_settings</a>	Sets the security configuration for a specified catalog
<a href="#">put_resource_policy</a>	Sets the Data Catalog resource policy for access control
<a href="#">put_schema_version_metadata</a>	Puts the metadata key value pair for a specified schema version ID
<a href="#">put_workflow_run_properties</a>	Puts the specified workflow run properties for the given workflow run
<a href="#">query_schema_version_metadata</a>	Queries for the schema version metadata information
<a href="#">register_schema_version</a>	Adds a new version to the existing schema
<a href="#">remove_schema_version_metadata</a>	Removes a key value pair from the schema version metadata for the specified ID
<a href="#">reset_job_bookmark</a>	Resets a bookmark entry
<a href="#">resume_workflow_run</a>	Restarts selected nodes of a previous partially completed workflow run and its children
<a href="#">run_statement</a>	Executes the statement
<a href="#">search_tables</a>	Searches a set of tables based on properties in the table metadata as well as the table name
<a href="#">start_blueprint_run</a>	Starts a new run of the specified blueprint
<a href="#">start_column_statistics_task_run</a>	Starts a column statistics task run, for a specified table and columns
<a href="#">start_crawler</a>	Starts a crawl using the specified crawler, regardless of what is scheduled
<a href="#">start_crawler_schedule</a>	Changes the schedule state of the specified crawler to SCHEDULED, unless it is already in that state
<a href="#">start_data_quality_rule_recommendation_run</a>	Starts a recommendation run that is used to generate rules when you don't know what rules to use
<a href="#">start_data_quality_ruleset_evaluation_run</a>	Once you have a ruleset definition (either recommended or your own), you can evaluate it
<a href="#">start_export_labels_task_run</a>	Begins an asynchronous task to export all labeled data for a particular transform
<a href="#">start_import_labels_task_run</a>	Enables you to provide additional labels (examples of truth) to be used to train a classifier
<a href="#">start_job_run</a>	Starts a job run using a job definition
<a href="#">start_ml_evaluation_task_run</a>	Starts a task to estimate the quality of the transform
<a href="#">start_ml_labeling_set_generation_task_run</a>	Starts the active learning workflow for your machine learning transform to improve its accuracy
<a href="#">start_trigger</a>	Starts an existing trigger
<a href="#">start_workflow_run</a>	Starts a new run of the specified workflow
<a href="#">stop_column_statistics_task_run</a>	Stops a task run for the specified table
<a href="#">stop_crawler</a>	If the specified crawler is running, stops the crawl
<a href="#">stop_crawler_schedule</a>	Sets the schedule state of the specified crawler to NOT_SCHEDULED, but does not stop the crawl
<a href="#">stop_session</a>	Stops the session
<a href="#">stop_trigger</a>	Stops a specified trigger
<a href="#">stop_workflow_run</a>	Stops the execution of the specified workflow run
<a href="#">tag_resource</a>	Adds tags to a resource
<a href="#">untag_resource</a>	Removes tags from a resource
<a href="#">update_blueprint</a>	Updates a registered blueprint
<a href="#">update_classifier</a>	Modifies an existing classifier (a GrokClassifier, an XMLClassifier, a JsonClassifier)

<code>update_column_statistics_for_partition</code>	Creates or updates partition statistics of columns
<code>update_column_statistics_for_table</code>	Creates or updates table statistics of columns
<code>update_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_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 schema
<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_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$batch_create_partition(
  Foo = 123
)

## End(Not run)
```

---

gluedatabrew

*AWS Glue DataBrew*

---

## Description

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

**Usage**

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

**Arguments**

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

**Value**

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

**Service syntax**

```

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

```

**Operations**

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

## Description

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

## Usage

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

## Arguments

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

**Value**

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

**Service syntax**

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

**Operations**

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

## Examples

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

## End(Not run)
```

---

 ivs

*Amazon Interactive Video Service*


---

## Description

### Introduction

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

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

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

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

### Allowed Header Values

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

### Key Concepts

- **Channel** — Stores configuration data related to your live stream. You first create a channel and then use the channel's stream key to start your live stream.
- **Stream key** — An identifier assigned by Amazon IVS when you create a channel, which is then used to authorize streaming. *Treat the stream key like a secret, since it allows anyone to stream to the channel.*

- **Playback key pair** — Video playback may be restricted using playback-authorization tokens, which use public-key encryption. A playback key pair is the public-private pair of keys used to sign and validate the playback-authorization token.
- **Recording configuration** — Stores configuration related to recording a live stream and where to store the recorded content. Multiple channels can reference the same recording configuration.
- **Playback restriction policy** — Restricts playback by countries and/or origin sites.

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

### Tagging

A *tag* is a metadata label that you assign to an Amazon Web Services resource. A tag comprises a *key* and a *value*, both set by you. For example, you might set a tag as `topic:nature` to label a particular video category. See [Tagging Amazon Web Services Resources](#) for more information, 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 endpoints: [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*.

### Channel Endpoints

- [create\\_channel](#) — Creates a new channel and an associated stream key to start streaming.
- [get\\_channel](#) — Gets the channel configuration for the specified channel ARN.
- [batch\\_get\\_channel](#) — Performs [get\\_channel](#) on multiple ARNs simultaneously.
- [list\\_channels](#) — Gets summary information about all channels in your account, in the Amazon Web Services region where the API request is processed. This list can be filtered to match a specified name or recording-configuration ARN. Filters are mutually exclusive and cannot be used together. If you try to use both filters, you will get an error (409 Conflict Exception).
- [update\\_channel](#) — Updates a channel's configuration. This does not affect an ongoing stream of this channel. You must stop and restart the stream for the changes to take effect.
- [delete\\_channel](#) — Deletes the specified channel.

### Playback Restriction Policy Endpoints

- [create\\_playback\\_restriction\\_policy](#) — Creates a new playback restriction policy, for constraining playback by countries and/or origins.
- [delete\\_playback\\_restriction\\_policy](#) — Deletes the specified playback restriction policy.
- [get\\_playback\\_restriction\\_policy](#) — Gets the specified playback restriction policy.
- [list\\_playback\\_restriction\\_policies](#) — Gets summary information about playback restriction policies.
- [update\\_playback\\_restriction\\_policy](#) — Updates a specified playback restriction policy.

### Private Channel Endpoints

For more information, see [Setting Up Private Channels](#) in the *Amazon IVS User Guide*.

- [import\\_playback\\_key\\_pair](#) — Imports the public portion of a new key pair and returns its arn and fingerprint. The `privateKey` can then be used to generate viewer authorization tokens, to grant viewers access to private channels (channels enabled for playback authorization).
- [get\\_playback\\_key\\_pair](#) — Gets a specified playback authorization key pair and returns the arn and fingerprint. The `privateKey` held by the caller can be used to generate viewer authorization tokens, to grant viewers access to private channels.
- [list\\_playback\\_key\\_pairs](#) — Gets summary information about playback key pairs.
- [delete\\_playback\\_key\\_pair](#) — Deletes a specified authorization key pair. This invalidates future viewer tokens generated using the key pair's `privateKey`.
- [start\\_viewer\\_session\\_revocation](#) — Starts the process of revoking the viewer session associated with a specified channel ARN and viewer ID. Optionally, you can provide a version to revoke viewer sessions less than and including that version.
- [batch\\_start\\_viewer\\_session\\_revocation](#) — Performs [start\\_viewer\\_session\\_revocation](#) on multiple channel ARN and viewer ID pairs simultaneously.

### Recording Configuration Endpoints

- [create\\_recording\\_configuration](#) — Creates a new recording configuration, used to enable recording to Amazon S3.
- [get\\_recording\\_configuration](#) — Gets the recording-configuration metadata for the specified ARN.
- [list\\_recording\\_configurations](#) — Gets summary information about all recording configurations in your account, in the Amazon Web Services region where the API request is processed.
- [delete\\_recording\\_configuration](#) — Deletes the recording configuration for the specified ARN.

### Stream Endpoints

- [get\\_stream](#) — Gets information about the active (live) stream on a specified channel.
- [get\\_stream\\_session](#) — Gets metadata on a specified stream.
- [list\\_streams](#) — Gets summary information about live streams in your account, in the Amazon Web Services region where the API request is processed.
- [list\\_stream\\_sessions](#) — Gets a summary of current and previous streams for a specified channel in your account, in the AWS region where the API request is processed.
- [stop\\_stream](#) — Disconnects the incoming RTMPS stream for the specified channel. Can be used in conjunction with [delete\\_stream\\_key](#) to prevent further streaming to a channel.
- [put\\_metadata](#) — Inserts metadata into the active stream of the specified channel. At most 5 requests per second per channel are allowed, each with a maximum 1 KB payload. (If 5 TPS is not sufficient for your needs, we recommend batching your data into a single PutMetadata call.) At most 155 requests per second per account are allowed.

### Stream Key Endpoints

- [create\\_stream\\_key](#) — Creates a stream key, used to initiate a stream, for the specified channel ARN.
- [get\\_stream\\_key](#) — Gets stream key information for the specified ARN.
- [batch\\_get\\_stream\\_key](#) — Performs [get\\_stream\\_key](#) on multiple ARNs simultaneously.
- [list\\_stream\\_keys](#) — Gets summary information about stream keys for the specified channel.
- [delete\\_stream\\_key](#) — Deletes the stream key for the specified ARN, so it can no longer be used to stream.

### Amazon Web Services Tags Endpoints

- [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.
- [list\\_tags\\_for\\_resource](#) — Gets information about Amazon Web Services tags for the specified ARN.

**Usage**

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

**Arguments**

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

**Value**

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



**Service syntax**

```

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

```

**Operations**

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

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

## Examples

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

## End(Not run)
```

---

ivsrealtime

*Amazon Interactive Video Service RealTime*

---

## Description

### Introduction

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.

Terminology:

- A *stage* is a virtual space where participants can exchange video in real time.

- A *participant token* is a token that authenticates a participant when they join a stage.
- A *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.
- Server-side composition: The *composition* process composites participants of a stage into a single video and forwards it to a set of outputs (e.g., IVS channels). Composition endpoints support this process.
- Server-side composition: A *composition* controls the look of the outputs, including how participants are positioned in the video.

### Resources

The following resources contain information about your IVS live stream (see [Getting Started with Amazon IVS Real-Time Streaming](#)):

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

### 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 [Tagging AWS Resources](#) for more information, 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 endpoints: [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.

### Stages Endpoints

- [create\\_participant\\_token](#) — Creates an additional token for a specified stage. This can be done after stage creation or when tokens expire.
- [create\\_stage](#) — Creates a new stage (and optionally participant tokens).
- [delete\\_stage](#) — Shuts down and deletes the specified stage (disconnecting all participants).
- [disconnect\\_participant](#) — Disconnects a specified participant and revokes the participant permanently from a specified stage.
- [get\\_participant](#) — Gets information about the specified participant token.
- [get\\_stage](#) — Gets information for the specified stage.
- [get\\_stage\\_session](#) — Gets information for the specified stage session.
- [list\\_participant\\_events](#) — Lists events for a specified participant that occurred during a specified stage session.
- [list\\_participants](#) — Lists all participants in a specified stage session.
- [list\\_stages](#) — Gets summary information about all stages in your account, in the AWS region where the API request is processed.

- [list\\_stage\\_sessions](#) — Gets all sessions for a specified stage.
- [update\\_stage](#) — Updates a stage's configuration.

### Composition Endpoints

- [get\\_composition](#) — Gets information about the specified Composition resource.
- [list\\_compositions](#) — Gets summary information about all Compositions in your account, in the AWS region where the API request is processed.
- [start\\_composition](#) — Starts a Composition from a stage based on the configuration provided in the request.
- [stop\\_composition](#) — Stops and deletes a Composition resource. Any broadcast from the Composition resource is stopped.

### EncoderConfiguration Endpoints

- [create\\_encoder\\_configuration](#) — Creates an EncoderConfiguration object.
- [delete\\_encoder\\_configuration](#) — Deletes an EncoderConfiguration resource. Ensures that no Compositions are using this template; otherwise, returns an error.
- [get\\_encoder\\_configuration](#) — Gets information about the specified EncoderConfiguration resource.
- [list\\_encoder\\_configurations](#) — Gets summary information about all EncoderConfigurations in your account, in the AWS region where the API request is processed.

### StorageConfiguration Endpoints

- [create\\_storage\\_configuration](#) — Creates a new storage configuration, used to enable recording to Amazon S3.
- [delete\\_storage\\_configuration](#) — Deletes the storage configuration for the specified ARN.
- [get\\_storage\\_configuration](#) — Gets the storage configuration for the specified ARN.
- [list\\_storage\\_configurations](#) — Gets summary information about all storage configurations in your account, in the AWS region where the API request is processed.

### Tags Endpoints

- [list\\_tags\\_for\\_resource](#) — Gets information about AWS tags for the specified ARN.
- [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.

### Usage

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

## Arguments

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

## Value

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

## Service syntax

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

```

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

```

## Operations

<a href="#">create_encoder_configuration</a>	Creates an EncoderConfiguration object
<a href="#">create_participant_token</a>	Creates an additional token for a specified stage
<a href="#">create_stage</a>	Creates a new stage (and optionally participant tokens)
<a href="#">create_storage_configuration</a>	Creates a new storage configuration, used to enable recording to Amazon S3
<a href="#">delete_encoder_configuration</a>	Deletes an EncoderConfiguration resource
<a href="#">delete_stage</a>	Shuts down and deletes the specified stage (disconnecting all participants)
<a href="#">delete_storage_configuration</a>	Deletes the storage configuration for the specified ARN
<a href="#">disconnect_participant</a>	Disconnects a specified participant and revokes the participant permanently from a specified session
<a href="#">get_composition</a>	Get information about the specified Composition resource
<a href="#">get_encoder_configuration</a>	Gets information about the specified EncoderConfiguration resource
<a href="#">get_participant</a>	Gets information about the specified participant token
<a href="#">get_stage</a>	Gets information for the specified stage
<a href="#">get_stage_session</a>	Gets information for the specified stage session
<a href="#">get_storage_configuration</a>	Gets the storage configuration for the specified ARN
<a href="#">list_compositions</a>	Gets summary information about all Compositions in your account, in the AWS region where the API is called
<a href="#">list_encoder_configurations</a>	Gets summary information about all EncoderConfigurations in your account, in the AWS region where the API is called
<a href="#">list_participant_events</a>	Lists events for a specified participant that occurred during a specified stage session
<a href="#">list_participants</a>	Lists all participants in a specified stage session
<a href="#">list_stages</a>	Gets summary information about all stages in your account, in the AWS region where the API is called
<a href="#">list_stage_sessions</a>	Gets all sessions for a specified stage

<a href="#">list_storage_configurations</a>	Gets summary information about all storage configurations in your account, in the AWS region
<a href="#">list_tags_for_resource</a>	Gets information about AWS tags for the specified ARN
<a href="#">start_composition</a>	Starts a Composition from a stage based on the configuration provided in the request
<a href="#">stop_composition</a>	Stops and deletes a Composition resource
<a href="#">tag_resource</a>	Adds or updates tags for the AWS resource with the specified ARN
<a href="#">untag_resource</a>	Removes tags from the resource with the specified ARN
<a href="#">update_stage</a>	Updates a stage's configuration

## Examples

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

## End(Not run)
```

---

kafka

*Managed Streaming for Kafka*


---

## Description

The operations for managing an Amazon MSK cluster.

## Usage

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

## Arguments

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

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

### Value

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

### Service syntax

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



```

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

```

## Operations

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

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

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

**Value**

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

**Service syntax**

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

```

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

```

## Operations

<a href="#">create_connector</a>	Creates a connector using the specified properties
<a href="#">create_custom_plugin</a>	Creates a custom plugin using the specified properties
<a href="#">create_worker_configuration</a>	Creates a worker configuration using the specified properties
<a href="#">delete_connector</a>	Deletes the specified connector
<a href="#">delete_custom_plugin</a>	Deletes a custom plugin
<a href="#">delete_worker_configuration</a>	Deletes the specified worker configuration
<a href="#">describe_connector</a>	Returns summary information about the connector
<a href="#">describe_custom_plugin</a>	A summary description of the custom plugin
<a href="#">describe_worker_configuration</a>	Returns information about a worker configuration
<a href="#">list_connectors</a>	Returns a list of all the connectors in this account and Region
<a href="#">list_custom_plugins</a>	Returns a list of all of the custom plugins in this account and Region
<a href="#">list_tags_for_resource</a>	Lists all the tags attached to the specified resource
<a href="#">list_worker_configurations</a>	Returns a list of all of the worker configurations in this account and Region
<a href="#">tag_resource</a>	Attaches tags to the specified resource
<a href="#">untag_resource</a>	Removes tags from the specified resource
<a href="#">update_connector</a>	Updates the specified connector

**Examples**

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

## End(Not run)
```

---

kendra	<i>AWSKendraFrontendService</i>
--------	---------------------------------

---

**Description**

Amazon Kendra is a service for indexing large document sets.

**Usage**

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

**Arguments**

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

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

### Value

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

### Service syntax

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

## Operations

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

<a href="#">list_indices</a>	Lists the Amazon Kendra indexes that you created
<a href="#">list_query_suggestions_block_lists</a>	Lists the block lists used for query suggestions for an index
<a href="#">list_tags_for_resource</a>	Gets a list of tags associated with a specified resource
<a href="#">list_thesauri</a>	Lists the thesauri for an index
<a href="#">put_principal_mapping</a>	Maps users to their groups so that you only need to provide the user ID when you is
<a href="#">query</a>	Searches an index given an input query
<a href="#">retrieve</a>	Retrieves relevant passages or text excerpts given an input query
<a href="#">start_data_source_sync_job</a>	Starts a synchronization job for a data source connector
<a href="#">stop_data_source_sync_job</a>	Stops a synchronization job that is currently running
<a href="#">submit_feedback</a>	Enables you to provide feedback to Amazon Kendra to improve the performance of
<a href="#">tag_resource</a>	Adds the specified tag to the specified index, FAQ, or data source resource
<a href="#">untag_resource</a>	Removes a tag from an index, FAQ, or a data source
<a href="#">update_access_control_configuration</a>	Updates an access control configuration for your documents in an index
<a href="#">update_data_source</a>	Updates an Amazon Kendra data source connector
<a href="#">update_experience</a>	Updates your Amazon Kendra experience such as a search application
<a href="#">update_featured_results_set</a>	Updates a set of featured results
<a href="#">update_index</a>	Updates an Amazon Kendra index
<a href="#">update_query_suggestions_block_list</a>	Updates a block list used for query suggestions for an index
<a href="#">update_query_suggestions_config</a>	Updates the settings of query suggestions for an index
<a href="#">update_thesaurus</a>	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. <ul style="list-style-type: none"> <li>• <b>credentials:</b> <ul style="list-style-type: none"> <li>– <b>creds:</b> <ul style="list-style-type: none"> <li>* <b>access_key_id:</b> AWS access key ID</li> <li>* <b>secret_access_key:</b> AWS secret access key</li> <li>* <b>session_token:</b> AWS temporary session token</li> </ul> </li> <li>– <b>profile:</b> The name of a profile to use. If not given, then the default profile is used.</li> <li>– <b>anonymous:</b> Set anonymous credentials.</li> </ul> </li> <li>• <b>endpoint:</b> The complete URL to use for the constructed client.</li> <li>• <b>region:</b> The AWS Region used in instantiating the client.</li> <li>• <b>close_connection:</b> Immediately close all HTTP connections.</li> <li>• <b>timeout:</b> The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds.</li> <li>• <b>s3_force_path_style:</b> Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>.</li> <li>• <b>sts_regional_endpoint:</b> Set sts regional endpoint resolver to regional or legacy <a href="https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html">https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html</a></li> </ul>
credentials	Optional credentials shorthand for the config parameter <ul style="list-style-type: none"> <li>• <b>creds:</b> <ul style="list-style-type: none"> <li>– <b>access_key_id:</b> AWS access key ID</li> <li>– <b>secret_access_key:</b> AWS secret access key</li> <li>– <b>session_token:</b> AWS temporary session token</li> </ul> </li> <li>• <b>profile:</b> The name of a profile to use. If not given, then the default profile is used.</li> <li>• <b>anonymous:</b> Set anonymous credentials.</li> </ul>
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

## Value

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

**Service syntax**

```

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

```

**Operations**

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

**Examples**

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

## End(Not run)
```

kinesis

*Amazon Kinesis***Description**

Amazon Kinesis Data Streams Service API Reference

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

**Usage**

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

**Arguments**

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

- **credentials:**

- **creds:**

- \* **access\_key\_id:** AWS access key ID
- \* **secret\_access\_key:** AWS secret access key
- \* **session\_token:** AWS temporary session token

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

- **anonymous:** Set anonymous credentials.

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

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

- **close\_connection:** Immediately close all HTTP connections.

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

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

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

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

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

### Value

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

### Service syntax

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

**Operations**

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

**Examples**

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

## End(Not run)
```

---

kinesisanalytics      *Amazon Kinesis Analytics*


---

## Description

### Overview

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

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

## Usage

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

## Arguments

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

- **credentials:**

- **creds:**

- \* **access\_key\_id:** AWS access key ID
- \* **secret\_access\_key:** AWS secret access key
- \* **session\_token:** AWS temporary session token

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

- **anonymous:** Set anonymous credentials.

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

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

- **close\_connection:** Immediately close all HTTP connections.

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

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

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

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

- **creds:**

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

### Value

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

### Service syntax

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

## Operations

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

## Examples

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

---

kinesisanalyticsv2      *Amazon Kinesis Analytics*

---

## Description

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

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



**Usage**

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

**Arguments**

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

**Value**

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

**Service syntax**

```

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

```

**Operations**

<a href="#">add_application_cloud_watch_logging_option</a>	Adds an Amazon CloudWatch log stream to monitor application configuration
<a href="#">add_application_input</a>	Adds a streaming source to your SQL-based Kinesis Data Analytics application
<a href="#">add_application_input_processing_configuration</a>	Adds an InputProcessingConfiguration to a SQL-based Kinesis Data Analytics application
<a href="#">add_application_output</a>	Adds an external destination to your SQL-based Kinesis Data Analytics application
<a href="#">add_application_reference_data_source</a>	Adds a reference data source to an existing SQL-based Kinesis Data Analytics application
<a href="#">add_application_vpc_configuration</a>	Adds a Virtual Private Cloud (VPC) configuration to the application
<a href="#">create_application</a>	Creates a Managed Service for Apache Flink application
<a href="#">create_application_presigned_url</a>	Creates and returns a URL that you can use to connect to an application
<a href="#">create_application_snapshot</a>	Creates a snapshot of the application's state data
<a href="#">delete_application</a>	Deletes the specified application
<a href="#">delete_application_cloud_watch_logging_option</a>	Deletes an Amazon CloudWatch log stream from an SQL-based Kinesis Data Analytics application
<a href="#">delete_application_input_processing_configuration</a>	Deletes an InputProcessingConfiguration from an input
<a href="#">delete_application_output</a>	Deletes the output destination configuration from your SQL-based Kinesis Data Analytics application
<a href="#">delete_application_reference_data_source</a>	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
<code>describe_application</code>	Returns information about a specific Managed Service for Apache Flink
<code>describe_application_snapshot</code>	Returns information about a snapshot of application state data
<code>describe_application_version</code>	Provides a detailed description of a specified version of the application
<code>discover_input_schema</code>	Infers a schema for a SQL-based Kinesis Data Analytics application by
<code>list_applications</code>	Returns a list of Managed Service for Apache Flink applications in your
<code>list_application_snapshots</code>	Lists information about the current application snapshots
<code>list_application_versions</code>	Lists all the versions for the specified application, including versions tha
<code>list_tags_for_resource</code>	Retrieves the list of key-value tags assigned to the application
<code>rollback_application</code>	Reverts the application to the previous running version
<code>start_application</code>	Starts the specified Managed Service for Apache Flink application
<code>stop_application</code>	Stops the application from processing data
<code>tag_resource</code>	Adds one or more key-value tags to a Managed Service for Apache Flink
<code>untag_resource</code>	Removes one or more tags from a Managed Service for Apache Flink ap
<code>update_application</code>	Updates an existing Managed Service for Apache Flink application
<code>update_application_maintenance_configuration</code>	Updates the maintenance configuration of the Managed Service for Apa

## Examples

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

## End(Not run)
```

---

mturk

*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:**

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

## Value

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

## Service syntax

```
svc <- mturk(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
```

```

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

```

## Operations

<a href="#">accept_qualification_request</a>	The AcceptQualificationRequest operation approves a Worker's request for a Quali
<a href="#">approve_assignment</a>	The ApproveAssignment operation approves the results of a completed assignment
<a href="#">associate_qualification_with_worker</a>	The AssociateQualificationWithWorker operation gives a Worker a Qualification
<a href="#">create_additional_assignments_for_hit</a>	The CreateAdditionalAssignmentsForHIT operation increases the maximum number
<a href="#">create_hit</a>	The CreateHIT operation creates a new Human Intelligence Task (HIT)
<a href="#">create_hit_type</a>	The CreateHITType operation creates a new HIT type
<a href="#">create_hit_with_hit_type</a>	The CreateHITWithHITType operation creates a new Human Intelligence Task (HI
<a href="#">create_qualification_type</a>	The CreateQualificationType operation creates a new Qualification type, which is r
<a href="#">create_worker_block</a>	The CreateWorkerBlock operation allows you to prevent a Worker from working on
<a href="#">delete_hit</a>	The DeleteHIT operation is used to delete HIT that is no longer needed
<a href="#">delete_qualification_type</a>	The DeleteQualificationType deletes a Qualification type and deletes any HIT types
<a href="#">delete_worker_block</a>	The DeleteWorkerBlock operation allows you to reinstate a blocked Worker to wor
<a href="#">disassociate_qualification_from_worker</a>	The DisassociateQualificationFromWorker revokes a previously granted Qualificati
<a href="#">get_account_balance</a>	The GetAccountBalance operation retrieves the Prepaid HITs balance in your Ama
<a href="#">get_assignment</a>	The GetAssignment operation retrieves the details of the specified Assignment
<a href="#">get_file_upload_url</a>	The GetFileUploadURL operation generates and returns a temporary URL
<a href="#">get_hit</a>	The GetHIT operation retrieves the details of the specified HIT
<a href="#">get_qualification_score</a>	The GetQualificationScore operation returns the value of a Worker's Qualification f
<a href="#">get_qualification_type</a>	The GetQualificationTypeoperation retrieves information about a Qualification type
<a href="#">list_assignments_for_hit</a>	The ListAssignmentsForHIT operation retrieves completed assignments for a HIT
<a href="#">list_bonus_payments</a>	The ListBonusPayments operation retrieves the amounts of bonuses you have paid
<a href="#">list_hi_ts</a>	The ListHITs operation returns all of a Requester's HITs
<a href="#">list_hi_ts_for_qualification_type</a>	The ListHITsForQualificationType operation returns the HITs that use the given Qu
<a href="#">list_qualification_requests</a>	The ListQualificationRequests operation retrieves requests for Qualifications of a p
<a href="#">list_qualification_types</a>	The ListQualificationTypes operation returns a list of Qualification types, filtered b

[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 ListReviewableHITs operation retrieves the HITs with Status equal to Reviewable.  
 The ListReviewPolicyResultsForHIT operation retrieves the computed results and the HITs.  
 The ListWorkersBlocks operation retrieves a list of Workers who are blocked from working.  
 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.  
 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 notification settings.  
 The UpdateQualificationType operation modifies the attributes of an existing Qualification.

## Examples

```

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

## End(Not run)

```

---

opensearchingestion     *Amazon OpenSearch Ingestion*

---

## Description

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

## Usage

```

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

```

**Arguments**

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

**Value**

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

**Service syntax**

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

```

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

```

## Operations

<a href="#">create_pipeline</a>	Creates an OpenSearch Ingestion pipeline
<a href="#">delete_pipeline</a>	Deletes an OpenSearch Ingestion pipeline
<a href="#">get_pipeline</a>	Retrieves information about an OpenSearch Ingestion pipeline
<a href="#">get_pipeline_blueprint</a>	Retrieves information about a specific blueprint for OpenSearch Ingestion
<a href="#">get_pipeline_change_progress</a>	Returns progress information for the current change happening on an OpenSearch Ingestion pipeline
<a href="#">list_pipeline_blueprints</a>	Retrieves a list of all available blueprints for Data Prepper
<a href="#">list_pipelines</a>	Lists all OpenSearch Ingestion pipelines in the current Amazon Web Services account and Region
<a href="#">list_tags_for_resource</a>	Lists all resource tags associated with an OpenSearch Ingestion pipeline
<a href="#">start_pipeline</a>	Starts an OpenSearch Ingestion pipeline
<a href="#">stop_pipeline</a>	Stops an OpenSearch Ingestion pipeline
<a href="#">tag_resource</a>	Tags an OpenSearch Ingestion pipeline
<a href="#">untag_resource</a>	Removes one or more tags from an OpenSearch Ingestion pipeline
<a href="#">update_pipeline</a>	Updates an OpenSearch Ingestion pipeline
<a href="#">validate_pipeline</a>	Checks whether an OpenSearch Ingestion pipeline configuration is valid prior to creation

## Examples

```
## Not run:
```



```

svc <- opensearchingestion()
svc$create_pipeline(
  Foo = 123
)

## End(Not run)

```

---

opensearchservice      *Amazon OpenSearch Service*

---

### Description

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

### Usage

```

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

```

### Arguments

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

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

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

### Value

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

### Service syntax

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

```

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

```

## Operations

<a href="#">accept_inbound_connection</a>	Allows the destination Amazon OpenSearch Service domain owner to accept an inbound connection
<a href="#">add_data_source</a>	Creates a new direct-query data source to the specified domain
<a href="#">add_tags</a>	Attaches tags to an existing Amazon OpenSearch Service domain
<a href="#">associate_package</a>	Associates a package with an Amazon OpenSearch Service domain
<a href="#">authorize_vpc_endpoint_access</a>	Provides access to an Amazon OpenSearch Service domain through the use of an interface VPC endpoint
<a href="#">cancel_domain_config_change</a>	Cancels a pending configuration change on an Amazon OpenSearch Service domain
<a href="#">cancel_service_software_update</a>	Cancels a scheduled service software update for an Amazon OpenSearch Service domain
<a href="#">create_domain</a>	Creates an Amazon OpenSearch Service domain
<a href="#">create_outbound_connection</a>	Creates a new cross-cluster search connection from a source Amazon OpenSearch Service domain to a destination Amazon OpenSearch Service domain
<a href="#">create_package</a>	Creates a package for use with Amazon OpenSearch Service domains
<a href="#">create_vpc_endpoint</a>	Creates an Amazon OpenSearch Service-managed VPC endpoint
<a href="#">delete_data_source</a>	Deletes a direct-query data source
<a href="#">delete_domain</a>	Deletes an Amazon OpenSearch Service domain and all of its data
<a href="#">delete_inbound_connection</a>	Allows the destination Amazon OpenSearch Service domain owner to delete an existing inbound connection
<a href="#">delete_outbound_connection</a>	Allows the source Amazon OpenSearch Service domain owner to delete an existing outbound connection
<a href="#">delete_package</a>	Deletes an Amazon OpenSearch Service package
<a href="#">delete_vpc_endpoint</a>	Deletes an Amazon OpenSearch Service-managed interface VPC endpoint
<a href="#">describe_domain</a>	Describes the domain configuration for the specified Amazon OpenSearch Service domain
<a href="#">describe_domain_auto_tunes</a>	Returns the list of optimizations that Auto-Tune has made to an Amazon OpenSearch Service domain
<a href="#">describe_domain_change_progress</a>	Returns information about the current blue/green deployment happening on an Amazon OpenSearch Service domain
<a href="#">describe_domain_config</a>	Returns the configuration of an Amazon OpenSearch Service domain
<a href="#">describe_domain_health</a>	Returns information about domain and node health, the standby Availability Zone, and the standby node
<a href="#">describe_domain_nodes</a>	Returns information about domain and nodes, including data nodes, master nodes, and utility nodes
<a href="#">describe_domains</a>	Returns domain configuration information about the specified Amazon OpenSearch Service domains
<a href="#">describe_dry_run_progress</a>	Describes the progress of a pre-update dry run analysis on an Amazon OpenSearch Service domain
<a href="#">describe_inbound_connections</a>	Lists all the inbound cross-cluster search connections for a destination (remote) Amazon OpenSearch Service domain
<a href="#">describe_instance_type_limits</a>	Describes the instance count, storage, and master node limits for a given OpenSearch Service domain
<a href="#">describe_outbound_connections</a>	Lists all the outbound cross-cluster connections for a local (source) Amazon OpenSearch Service domain
<a href="#">describe_packages</a>	Describes all packages available to OpenSearch Service
<a href="#">describe_reserved_instance_offerings</a>	Describes the available Amazon OpenSearch Service Reserved Instance offerings for a given Amazon OpenSearch Service domain
<a href="#">describe_reserved_instances</a>	Describes the Amazon OpenSearch Service instances that you have reserved in a given Amazon OpenSearch Service domain
<a href="#">describe_vpc_endpoints</a>	Describes one or more Amazon OpenSearch Service-managed VPC endpoints
<a href="#">dissociate_package</a>	Removes a package from the specified Amazon OpenSearch Service domain
<a href="#">get_compatible_versions</a>	Returns a map of OpenSearch or Elasticsearch versions and the versions you can upgrade to
<a href="#">get_data_source</a>	Retrieves information about a direct query data source
<a href="#">get_domain_maintenance_status</a>	The status of the maintenance action
<a href="#">get_package_version_history</a>	Returns a list of Amazon OpenSearch Service package versions, along with their creation and update dates
<a href="#">get_upgrade_history</a>	Retrieves the complete history of the last 10 upgrades performed on an Amazon OpenSearch Service domain
<a href="#">get_upgrade_status</a>	Returns the most recent status of the last upgrade or upgrade eligibility check performed on an Amazon OpenSearch Service domain
<a href="#">list_data_sources</a>	Lists direct-query data sources for a specific domain

<a href="#">list_domain_maintenances</a>	A list of maintenance actions for the domain
<a href="#">list_domain_names</a>	Returns the names of all Amazon OpenSearch Service domains owned by the current user
<a href="#">list_domains_for_package</a>	Lists all Amazon OpenSearch Service domains associated with a given package
<a href="#">list_instance_type_details</a>	Lists all instance types and available features for a given OpenSearch or Elasticsearch domain
<a href="#">list_packages_for_domain</a>	Lists all packages associated with an Amazon OpenSearch Service domain
<a href="#">list_scheduled_actions</a>	Retrieves a list of configuration changes that are scheduled for a domain
<a href="#">list_tags</a>	Returns all resource tags for an Amazon OpenSearch Service domain
<a href="#">list_versions</a>	Lists all versions of OpenSearch and Elasticsearch that Amazon OpenSearch Service supports
<a href="#">list_vpc_endpoint_access</a>	Retrieves information about each Amazon Web Services principal that is allowed to access the domain
<a href="#">list_vpc_endpoints</a>	Retrieves all Amazon OpenSearch Service-managed VPC endpoints in the current Amazon account
<a href="#">list_vpc_endpoints_for_domain</a>	Retrieves all Amazon OpenSearch Service-managed VPC endpoints associated with a domain
<a href="#">purchase_reserved_instance_offering</a>	Allows you to purchase Amazon OpenSearch Service Reserved Instances
<a href="#">reject_inbound_connection</a>	Allows the remote Amazon OpenSearch Service domain owner to reject an inbound connection
<a href="#">remove_tags</a>	Removes the specified set of tags from an Amazon OpenSearch Service domain
<a href="#">revoke_vpc_endpoint_access</a>	Revokes access to an Amazon OpenSearch Service domain that was provided through a VPC endpoint
<a href="#">start_domain_maintenance</a>	Starts the node maintenance process on the data node
<a href="#">start_service_software_update</a>	Schedules a service software update for an Amazon OpenSearch Service domain
<a href="#">update_data_source</a>	Updates a direct-query data source
<a href="#">update_domain_config</a>	Modifies the cluster configuration of the specified Amazon OpenSearch Service domain
<a href="#">update_package</a>	Updates a package for use with Amazon OpenSearch Service domains
<a href="#">update_scheduled_action</a>	Reschedules a planned domain configuration change for a later time
<a href="#">update_vpc_endpoint</a>	Modifies an Amazon OpenSearch Service-managed interface VPC endpoint
<a href="#">upgrade_domain</a>	Allows you to either upgrade your Amazon OpenSearch Service domain or perform a soft upgrade

## Examples

```
## Not run:
svc <- opensearchservice()
svc$accept_inbound_connection(
  Foo = 123
)

## End(Not run)
```

---

opensearchserviceserverless

*OpenSearch Service Serverless*

---

## Description

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

OpenSearch Serverless is an on-demand, pre-provisioned serverless configuration for Amazon OpenSearch Service. OpenSearch Serverless removes the operational complexities of provisioning, configuring,

and tuning your OpenSearch clusters. It enables you to easily search and analyze petabytes of data without having to worry about the underlying infrastructure and data management.

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

## Usage

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

## Arguments

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

**Value**

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

**Service syntax**

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

**Operations**

<a href="#">batch_get_collection</a>	Returns attributes for one or more collections, including the collection endpoint and the
<a href="#">batch_get_effective_lifecycle_policy</a>	Returns a list of successful and failed retrievals for the OpenSearch Serverless indexes
<a href="#">batch_get_lifecycle_policy</a>	Returns one or more configured OpenSearch Serverless lifecycle policies
<a href="#">batch_get_vpc_endpoint</a>	Returns attributes for one or more VPC endpoints associated with the current account
<a href="#">create_access_policy</a>	Creates a data access policy for OpenSearch Serverless
<a href="#">create_collection</a>	Creates a new OpenSearch Serverless collection
<a href="#">create_lifecycle_policy</a>	Creates a lifecycle policy to be applied to OpenSearch Serverless indexes
<a href="#">create_security_config</a>	Specifies a security configuration for OpenSearch Serverless

<a href="#">create_security_policy</a>	Creates a security policy to be used by one or more OpenSearch Serverless collections
<a href="#">create_vpc_endpoint</a>	Creates an OpenSearch Serverless-managed interface VPC endpoint
<a href="#">delete_access_policy</a>	Deletes an OpenSearch Serverless access policy
<a href="#">delete_collection</a>	Deletes an OpenSearch Serverless collection
<a href="#">delete_lifecycle_policy</a>	Deletes an OpenSearch Serverless lifecycle policy
<a href="#">delete_security_config</a>	Deletes a security configuration for OpenSearch Serverless
<a href="#">delete_security_policy</a>	Deletes an OpenSearch Serverless security policy
<a href="#">delete_vpc_endpoint</a>	Deletes an OpenSearch Serverless-managed interface endpoint
<a href="#">get_access_policy</a>	Returns an OpenSearch Serverless access policy
<a href="#">get_account_settings</a>	Returns account-level settings related to OpenSearch Serverless
<a href="#">get_policies_stats</a>	Returns statistical information about your OpenSearch Serverless access policies, security configurations, and security policies
<a href="#">get_security_config</a>	Returns information about an OpenSearch Serverless security configuration
<a href="#">get_security_policy</a>	Returns information about a configured OpenSearch Serverless security policy
<a href="#">list_access_policies</a>	Returns information about a list of OpenSearch Serverless access policies
<a href="#">list_collections</a>	Lists all OpenSearch Serverless collections
<a href="#">list_lifecycle_policies</a>	Returns a list of OpenSearch Serverless lifecycle policies
<a href="#">list_security_configs</a>	Returns information about configured OpenSearch Serverless security configurations
<a href="#">list_security_policies</a>	Returns information about configured OpenSearch Serverless security policies
<a href="#">list_tags_for_resource</a>	Returns the tags for an OpenSearch Serverless resource
<a href="#">list_vpc_endpoints</a>	Returns the OpenSearch Serverless-managed interface VPC endpoints associated with an OpenSearch Serverless resource
<a href="#">tag_resource</a>	Associates tags with an OpenSearch Serverless resource
<a href="#">untag_resource</a>	Removes a tag or set of tags from an OpenSearch Serverless resource
<a href="#">update_access_policy</a>	Updates an OpenSearch Serverless access policy
<a href="#">update_account_settings</a>	Update the OpenSearch Serverless settings for the current Amazon Web Services account
<a href="#">update_collection</a>	Updates an OpenSearch Serverless collection
<a href="#">update_lifecycle_policy</a>	Updates an OpenSearch Serverless access policy
<a href="#">update_security_config</a>	Updates a security configuration for OpenSearch Serverless
<a href="#">update_security_policy</a>	Updates an OpenSearch Serverless security policy
<a href="#">update_vpc_endpoint</a>	Updates an OpenSearch Serverless-managed interface endpoint

## Examples

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

## End(Not run)
```

**Description**

Amazon QuickSight API Reference

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

**Usage**

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

**Arguments**

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

- **credentials:**

- **creds:**

- \* **access\_key\_id:** AWS access key ID
- \* **secret\_access\_key:** AWS secret access key
- \* **session\_token:** AWS temporary session token

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

- **anonymous:** Set anonymous credentials.

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

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

- **close\_connection:** Immediately close all HTTP connections.

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

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

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

`credentials` Optional credentials shorthand for the config parameter

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

**Operations**

[cancel\\_ingestion](#)

Cancels an ongoing ingestion of data into SPICE

[create\\_account\\_customization](#)

Creates Amazon QuickSight customizations for the current Amazon Web Service

[create\\_account\\_subscription](#)

Creates an Amazon QuickSight account, or subscribes to Amazon QuickSight Q

[create\\_analysis](#)

Creates an analysis in Amazon QuickSight

<code>create_dashboard</code>	Creates a dashboard from either a template or directly with a <code>DashboardDefinition</code>
<code>create_data_set</code>	Creates a dataset
<code>create_data_source</code>	Creates a data source
<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 <code>CreateGroup</code> operation to create a group in Amazon 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 Amazon Resource Name
<code>create_ingestion</code>	Creates and starts a new SPICE ingestion for a dataset
<code>create_namespace</code>	(Enterprise edition only) Creates a new namespace for you to use with Amazon QuickSight
<code>create_refresh_schedule</code>	Creates a refresh schedule for a dataset
<code>create_role_membership</code>	Use <code>CreateRoleMembership</code> to add an existing Amazon QuickSight group to an Amazon IAM role
<code>create_template</code>	Creates a template either from a <code>TemplateDefinition</code> or from an existing Amazon QuickSight template
<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_vpc_connection</code>	Creates a new VPC connection
<code>delete_account_customization</code>	Deletes all Amazon QuickSight customizations in this Amazon Web Services Region
<code>delete_account_subscription</code>	Use the <code>DeleteAccountSubscription</code> operation to delete an Amazon QuickSight account subscription
<code>delete_analysis</code>	Deletes an analysis from Amazon QuickSight
<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_folder</code>	Deletes an empty folder
<code>delete_folder_membership</code>	Removes an asset, such as a dashboard, analysis, or dataset, from a folder
<code>delete_group</code>	Removes a user group from Amazon QuickSight
<code>delete_group_membership</code>	Removes a user from a group so that the user is no longer a member of the group
<code>delete_iam_policy_assignment</code>	Deletes an existing IAM policy assignment
<code>delete_identity_propagation_config</code>	Deletes all access scopes and authorized targets that are associated with a service-linked role
<code>delete_namespace</code>	Deletes a namespace and the users and groups that are associated with the namespace
<code>delete_refresh_schedule</code>	Deletes a refresh schedule from a dataset
<code>delete_role_custom_permission</code>	Removes custom permissions from the role
<code>delete_role_membership</code>	Removes a group from a role
<code>delete_template</code>	Deletes a template
<code>delete_template_alias</code>	Deletes the item that the specified template alias points to
<code>delete_theme</code>	Deletes a theme
<code>delete_theme_alias</code>	Deletes the version of the theme that the specified theme alias points to
<code>delete_topic</code>	Deletes a topic
<code>delete_topic_refresh_schedule</code>	Deletes a topic refresh schedule
<code>delete_user</code>	Deletes the Amazon QuickSight user that is associated with the identity of the IAM user
<code>delete_user_by_principal_id</code>	Deletes a user identified by its principal ID
<code>delete_vpc_connection</code>	Deletes a VPC connection
<code>describe_account_customization</code>	Describes the customizations associated with the provided Amazon Web Service Region
<code>describe_account_settings</code>	Describes the settings that were used when your Amazon QuickSight subscription was created
<code>describe_account_subscription</code>	Use the <code>DescribeAccountSubscription</code> operation to receive a description of an Amazon QuickSight account subscription

describe_analysis	Provides a summary of the metadata for an analysis
describe_analysis_definition	Provides a detailed description of the definition of an analysis
describe_analysis_permissions	Provides the read and write permissions for an analysis
describe_asset_bundle_export_job	Describes an existing export job
describe_asset_bundle_import_job	Describes an existing import job
describe_dashboard	Provides a summary for a dashboard
describe_dashboard_definition	Provides a detailed description of the definition of a dashboard
describe_dashboard_permissions	Describes read and write permissions for a dashboard
describe_dashboard_snapshot_job	Describes an existing snapshot job
describe_dashboard_snapshot_job_result	Describes the result of an existing snapshot job that has finished running
describe_data_set	Describes a dataset
describe_data_set_permissions	Describes the permissions on a dataset
describe_data_set_refresh_properties	Describes the refresh properties of a dataset
describe_data_source	Describes a data source
describe_data_source_permissions	Describes the resource permissions for a data source
describe_folder	Describes a folder
describe_folder_permissions	Describes permissions for a folder
describe_folder_resolved_permissions	Describes the folder resolved permissions
describe_group	Returns an Amazon QuickSight group's description and Amazon Resource Name
describe_group_membership	Use the DescribeGroupMembership operation to determine if a user is a member
describe_iam_policy_assignment	Describes an existing IAM policy assignment, as specified by the assignment name
describe_ingestion	Describes a SPICE ingestion
describe_ip_restriction	Provides a summary and status of IP rules
describe_namespace	Describes the current namespace
describe_refresh_schedule	Provides a summary of a refresh schedule
describe_role_custom_permission	Describes all custom permissions that are mapped to a role
describe_template	Describes a template's metadata
describe_template_alias	Describes the template alias for a template
describe_template_definition	Provides a detailed description of the definition of a template
describe_template_permissions	Describes read and write permissions on a template
describe_theme	Describes a theme
describe_theme_alias	Describes the alias for a theme
describe_theme_permissions	Describes the read and write permissions for a theme
describe_topic	Describes a topic
describe_topic_permissions	Describes the permissions of a topic
describe_topic_refresh	Describes the status of a topic refresh
describe_topic_refresh_schedule	Deletes a topic refresh schedule
describe_user	Returns information about a user, given the user name
describe_vpc_connection	Describes a VPC connection
generate_embed_url_for_anonymous_user	Generates an embed URL that you can use to embed an Amazon QuickSight dashboard
generate_embed_url_for_registered_user	Generates an embed URL that you can use to embed an Amazon QuickSight dashboard
get_dashboard_embed_url	Generates a temporary session URL and authorization code (bearer token) that you can use to embed the dashboard
get_session_embed_url	Generates a session URL and authorization code that you can use to embed the dashboard
list_analyses	Lists Amazon QuickSight analyses that exist in the specified Amazon Web Services account
list_asset_bundle_export_jobs	Lists all asset bundle export jobs that have been taken place in the last 14 days
list_asset_bundle_import_jobs	Lists all asset bundle import jobs that have taken place in the last 14 days
list_dashboards	Lists dashboards in an Amazon Web Services account
list_dashboard_versions	Lists all the versions of the dashboards in the Amazon QuickSight subscription

<code>list_data_sets</code>	Lists all of the datasets belonging to the current Amazon Web Services account in the current Amazon QuickSight Region
<code>list_data_sources</code>	Lists data sources in current Amazon Web Services Region that belong to this Amazon QuickSight account
<code>list_folder_members</code>	List all assets (DASHBOARD, ANALYSIS, and DATASET) in a folder
<code>list_folders</code>	Lists all folders in an account
<code>list_group_memberships</code>	Lists member users in a group
<code>list_groups</code>	Lists all user groups in Amazon QuickSight
<code>list_iam_policy_assignments</code>	Lists the IAM policy assignments in the current Amazon QuickSight account
<code>list_iam_policy_assignments_for_user</code>	Lists all of the IAM policy assignments, including the Amazon Resource Names (ARNs) of the policies, for a user
<code>list_identity_propagation_configs</code>	Lists all services and authorized targets that the Amazon QuickSight IAM Identity Center configuration is associated with
<code>list_ingestions</code>	Lists the history of SPICE ingestions for a dataset
<code>list_namespaces</code>	Lists the namespaces for the specified Amazon Web Services account
<code>list_refresh_schedules</code>	Lists the refresh schedules of a dataset
<code>list_role_memberships</code>	Lists all groups that are associated with a role
<code>list_tags_for_resource</code>	Lists the tags assigned to a resource
<code>list_template_aliases</code>	Lists all the aliases of a template
<code>list_templates</code>	Lists all the templates in the current Amazon QuickSight account
<code>list_template_versions</code>	Lists all the versions of the templates in the current Amazon QuickSight account
<code>list_theme_aliases</code>	Lists all the aliases of a theme
<code>list_themes</code>	Lists all the themes in the current Amazon Web Services account
<code>list_theme_versions</code>	Lists all the versions of the themes in the current Amazon Web Services account
<code>list_topic_refresh_schedules</code>	Lists all of the refresh schedules for a topic
<code>list_topics</code>	Lists all of the topics within an account
<code>list_user_groups</code>	Lists the Amazon QuickSight groups that an Amazon QuickSight user is a member of
<code>list_users</code>	Returns a list of all of the Amazon QuickSight users belonging to this account
<code>list_vpc_connections</code>	Lists all of the VPC connections in the current set Amazon Web Services Region
<code>put_data_set_refresh_properties</code>	Creates or updates the dataset refresh properties for the dataset
<code>register_user</code>	Creates an Amazon QuickSight user whose identity is associated with the Identity Center user
<code>restore_analysis</code>	Restores an analysis
<code>search_analyses</code>	Searches for analyses that belong to the user specified in the filter
<code>search_dashboards</code>	Searches for dashboards that belong to a user
<code>search_data_sets</code>	Use the SearchDataSets operation to search for datasets that belong to an account
<code>search_data_sources</code>	Use the SearchDataSources operation to search for data sources that belong to an 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 Amazon QuickSight account
<code>start_asset_bundle_export_job</code>	Starts an Asset Bundle export job
<code>start_asset_bundle_import_job</code>	Starts an Asset Bundle import job
<code>start_dashboard_snapshot_job</code>	Starts an asynchronous job that generates a snapshot of a dashboard's output
<code>tag_resource</code>	Assigns one or more tags (key-value pairs) to the specified Amazon QuickSight resource
<code>untag_resource</code>	Removes a tag or tags from a resource
<code>update_account_customization</code>	Updates Amazon QuickSight customizations for the current Amazon Web Services account
<code>update_account_settings</code>	Updates the Amazon QuickSight settings in your Amazon Web Services account
<code>update_analysis</code>	Updates an analysis in Amazon QuickSight
<code>update_analysis_permissions</code>	Updates the read and write permissions for an analysis
<code>update_dashboard</code>	Updates a dashboard in an Amazon Web Services account
<code>update_dashboard_links</code>	Updates the linked analyses on a dashboard
<code>update_dashboard_permissions</code>	Updates read and write permissions on a dashboard
<code>update_dashboard_published_version</code>	Updates the published version of a dashboard
<code>update_data_set</code>	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_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 Amazon Q
update_ip_restriction	Updates the content and status of IP rules
update_public_sharing_settings	Use the UpdatePublicSharingSettings operation to turn on or turn off the public s
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_spice_capacity_configuration	Updates the SPICE capacity configuration for a Amazon QuickSight account
update_template	Updates a template from an existing Amazon QuickSight analysis or another tem
update_template_alias	Updates the template alias of a template
update_template_permissions	Updates the resource permissions for a template
update_theme	Updates a theme
update_theme_alias	Updates an alias of a theme
update_theme_permissions	Updates the resource permissions for a theme
update_topic	Updates a topic
update_topic_permissions	Updates the permissions of a topic
update_topic_refresh_schedule	Updates a topic refresh schedule
update_user	Updates an Amazon QuickSight user
update_vpc_connection	Updates a VPC connection

## Examples

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

## End(Not run)
```

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