

# Package ‘paws.storage’

September 11, 2023

**Title** 'Amazon Web Services' Storage Services

**Version** 0.4.0

**Description** Interface to 'Amazon Web Services' storage services,  
including 'Simple Storage Service' ('S3') and more  
<<https://aws.amazon.com/>>.

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

**URL** <https://github.com/paws-r/paws>

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

**Imports** paws.common (>= 0.6.0)

**Suggests** testthat

**Encoding** UTF-8

**RoxygenNote** 7.2.3

**Collate** 'backup\_service.R' 'backup\_interfaces.R' 'backup\_operations.R'  
'backupstorage\_service.R' 'backupstorage\_interfaces.R'  
'backupstorage\_operations.R' 'dlm\_service.R' 'dlm\_interfaces.R'  
'dlm\_operations.R' 'ebs\_service.R' 'ebs\_interfaces.R'  
'ebs\_operations.R' 'efs\_service.R' 'efs\_interfaces.R'  
'efs\_operations.R' 'finspacedata\_service.R'  
'finspacedata\_interfaces.R' 'finspacedata\_operations.R'  
'fsx\_service.R' 'fsx\_interfaces.R' 'fsx\_operations.R'  
'glacier\_service.R' 'glacier\_interfaces.R'  
'glacier\_operations.R' 'recyclebin\_service.R'  
'recyclebin\_interfaces.R' 'recyclebin\_operations.R'  
'reexports\_paws.common.R' 's3\_service.R' 's3\_operations.R'  
's3\_custom.R' 's3\_interfaces.R' 's3control\_service.R'  
's3control\_interfaces.R' 's3control\_operations.R'  
's3outposts\_service.R' 's3outposts\_interfaces.R'  
's3outposts\_operations.R' 'storagegateway\_service.R'  
'storagegateway\_interfaces.R' 'storagegateway\_operations.R'

**NeedsCompilation** no

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**Repository** CRAN

**Date/Publication** 2023-09-11 19:30:03 UTC

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backup	<i>AWS Backup</i>
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## Description

Backup

Backup is a unified backup service designed to protect Amazon Web Services services and their associated data. Backup simplifies the creation, migration, restoration, and deletion of backups, while also providing reporting and auditing.

## Usage

```
backup(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> <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> </ul> </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 <- backup(
  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="#">cancel_legal_hold</a>	This action removes the specified legal hold on a recovery point
<a href="#">create_backup_plan</a>	Creates a backup plan using a backup plan name and backup rules
<a href="#">create_backup_selection</a>	Creates a JSON document that specifies a set of resources to assign to a backup plan
<a href="#">create_backup_vault</a>	Creates a logical container where backups are stored
<a href="#">create_framework</a>	Creates a framework with one or more controls
<a href="#">create_legal_hold</a>	This action creates a legal hold on a recovery point (backup)
<a href="#">create_logically_air_gapped_backup_vault</a>	This request creates a logical container to where backups may be copied
<a href="#">create_report_plan</a>	Creates a report plan
<a href="#">delete_backup_plan</a>	Deletes a backup plan
<a href="#">delete_backup_selection</a>	Deletes the resource selection associated with a backup plan that is specified by name
<a href="#">delete_backup_vault</a>	Deletes the backup vault identified by its name
<a href="#">delete_backup_vault_access_policy</a>	Deletes the policy document that manages permissions on a backup vault
<a href="#">delete_backup_vault_lock_configuration</a>	Deletes Backup Vault Lock from a backup vault specified by a backup vault name
<a href="#">delete_backup_vault_notifications</a>	Deletes event notifications for the specified backup vault
<a href="#">delete_framework</a>	Deletes the framework specified by a framework name
<a href="#">delete_recovery_point</a>	Deletes the recovery point specified by a recovery point ID
<a href="#">delete_report_plan</a>	Deletes the report plan specified by a report plan name
<a href="#">describe_backup_job</a>	Returns backup job details for the specified BackupJobId
<a href="#">describe_backup_vault</a>	Returns metadata about a backup vault specified by its name
<a href="#">describe_copy_job</a>	Returns metadata associated with creating a copy of a resource

<a href="#">describe_framework</a>	Returns the framework details for the specified FrameworkName
<a href="#">describe_global_settings</a>	Describes whether the Amazon Web Services account is opted in to cross-account
<a href="#">describe_protected_resource</a>	Returns information about a saved resource, including the last time it was backed
<a href="#">describe_recovery_point</a>	Returns metadata associated with a recovery point, including ID, status, encrypti
<a href="#">describe_region_settings</a>	Returns the current service opt-in settings for the Region
<a href="#">describe_report_job</a>	Returns the details associated with creating a report as specified by its ReportJob
<a href="#">describe_report_plan</a>	Returns a list of all report plans for an Amazon Web Services account and Amaz
<a href="#">describe_restore_job</a>	Returns metadata associated with a restore job that is specified by a job ID
<a href="#">disassociate_recovery_point</a>	Deletes the specified continuous backup recovery point from Backup and releas
<a href="#">disassociate_recovery_point_from_parent</a>	This action to a specific child (nested) recovery point removes the relationship b
<a href="#">export_backup_plan_template</a>	Returns the backup plan that is specified by the plan ID as a backup template
<a href="#">get_backup_plan</a>	Returns BackupPlan details for the specified BackupPlanId
<a href="#">get_backup_plan_from_json</a>	Returns a valid JSON document specifying a backup plan or an error
<a href="#">get_backup_plan_from_template</a>	Returns the template specified by its templateId as a backup plan
<a href="#">get_backup_selection</a>	Returns selection metadata and a document in JSON format that specifies a list o
<a href="#">get_backup_vault_access_policy</a>	Returns the access policy document that is associated with the named backup va
<a href="#">get_backup_vault_notifications</a>	Returns event notifications for the specified backup vault
<a href="#">get_legal_hold</a>	This action returns details for a specified legal hold
<a href="#">get_recovery_point_restore_metadata</a>	Returns a set of metadata key-value pairs that were used to create the backup
<a href="#">get_supported_resource_types</a>	Returns the Amazon Web Services resource types supported by Backup
<a href="#">list_backup_jobs</a>	Returns a list of existing backup jobs for an authenticated account for the last 30
<a href="#">list_backup_plans</a>	Returns a list of all active backup plans for an authenticated account
<a href="#">list_backup_plan_templates</a>	Returns metadata of your saved backup plan templates, including the template ID
<a href="#">list_backup_plan_versions</a>	Returns version metadata of your backup plans, including Amazon Resource Na
<a href="#">list_backup_selections</a>	Returns an array containing metadata of the resources associated with the target
<a href="#">list_backup_vaults</a>	Returns a list of recovery point storage containers along with information about
<a href="#">list_copy_jobs</a>	Returns metadata about your copy jobs
<a href="#">list_frameworks</a>	Returns a list of all frameworks for an Amazon Web Services account and Amaz
<a href="#">list_legal_holds</a>	This action returns metadata about active and previous legal holds
<a href="#">list_protected_resources</a>	Returns an array of resources successfully backed up by Backup, including the ti
<a href="#">list_protected_resources_by_backup_vault</a>	This request lists the protected resources corresponding to each backup vault
<a href="#">list_recovery_points_by_backup_vault</a>	Returns detailed information about the recovery points stored in a backup vault
<a href="#">list_recovery_points_by_legal_hold</a>	This action returns recovery point ARNs (Amazon Resource Names) of the spec
<a href="#">list_recovery_points_by_resource</a>	Returns detailed information about all the recovery points of the type specified b
<a href="#">list_report_jobs</a>	Returns details about your report jobs
<a href="#">list_report_plans</a>	Returns a list of your report plans
<a href="#">list_restore_jobs</a>	Returns a list of jobs that Backup initiated to restore a saved resource, including
<a href="#">list_tags</a>	Returns a list of key-value pairs assigned to a target recovery point, backup plan,
<a href="#">put_backup_vault_access_policy</a>	Sets a resource-based policy that is used to manage access permissions on the ta
<a href="#">put_backup_vault_lock_configuration</a>	Applies Backup Vault Lock to a backup vault, preventing attempts to delete any
<a href="#">put_backup_vault_notifications</a>	Turns on notifications on a backup vault for the specified topic and events
<a href="#">start_backup_job</a>	Starts an on-demand backup job for the specified resource
<a href="#">start_copy_job</a>	Starts a job to create a one-time copy of the specified resource
<a href="#">start_report_job</a>	Starts an on-demand report job for the specified report plan
<a href="#">start_restore_job</a>	Recovers the saved resource identified by an Amazon Resource Name (ARN)
<a href="#">stop_backup_job</a>	Attempts to cancel a job to create a one-time backup of a resource
<a href="#">tag_resource</a>	Assigns a set of key-value pairs to a recovery point, backup plan, or backup vault
<a href="#">untag_resource</a>	Removes a set of key-value pairs from a recovery point, backup plan, or backup

<a href="#">update_backup_plan</a>	Updates an existing backup plan identified by its backupPlanId with the input do
<a href="#">update_framework</a>	Updates an existing framework identified by its FrameworkName with the input
<a href="#">update_global_settings</a>	Updates whether the Amazon Web Services account is opted in to cross-account
<a href="#">update_recovery_point_lifecycle</a>	Sets the transition lifecycle of a recovery point
<a href="#">update_region_settings</a>	Updates the current service opt-in settings for the Region
<a href="#">update_report_plan</a>	Updates an existing report plan identified by its ReportPlanName with the input

## Examples

```
## Not run:
svc <- backup()
svc$cancel_legal_hold(
  Foo = 123
)

## End(Not run)
```

---

backupstorage	<i>AWS Backup Storage</i>
---------------	---------------------------

---

## Description

The frontend service for Cryo Storage.

## Usage

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

## Arguments

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

- **credentials:**
  - **creds:**
    - \* **access\_key\_id:** AWS access key ID
    - \* **secret\_access\_key:** AWS secret access key
    - \* **session\_token:** AWS temporary session token
  - **profile:** The name of a profile to use. If not given, then the default profile is used.

	<ul style="list-style-type: none"> <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 <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 <- backupstorage(
  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="#">delete_object</a>	Delete Object from the incremental base Backup
<a href="#">get_chunk</a>	Gets the specified object's chunk
<a href="#">get_object_metadata</a>	Get metadata associated with an Object
<a href="#">list_chunks</a>	List chunks in a given Object
<a href="#">list_objects</a>	List all Objects in a given Backup
<a href="#">notify_object_complete</a>	Complete upload
<a href="#">put_chunk</a>	Upload chunk
<a href="#">put_object</a>	Upload object that can store object metadata String and data blob in single API call using inline chunk
<a href="#">start_object</a>	Start upload containing one or many chunks

## Examples

```

## Not run:
svc <- backupstorage()
svc$delete_object(
  Foo = 123
)

## End(Not run)

```

## Description

With Amazon Data Lifecycle Manager, you can manage the lifecycle of your Amazon Web Services resources. You create lifecycle policies, which are used to automate operations on the specified resources.



Amazon Data Lifecycle Manager supports Amazon EBS volumes and snapshots. For information about using Amazon Data Lifecycle Manager with Amazon EBS, see [Amazon Data Lifecycle Manager](#) in the *Amazon EC2 User Guide*.

## Usage

```
dln(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> <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> </ul> </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 <- dlm(
  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_lifecycle_policy</a>	Creates a policy to manage the lifecycle of the specified Amazon Web Services resources
<a href="#">delete_lifecycle_policy</a>	Deletes the specified lifecycle policy and halts the automated operations that the policy specified
<a href="#">get_lifecycle_policies</a>	Gets summary information about all or the specified data lifecycle policies
<a href="#">get_lifecycle_policy</a>	Gets detailed information about the specified lifecycle policy
<a href="#">list_tags_for_resource</a>	Lists the tags for the specified resource
<a href="#">tag_resource</a>	Adds the specified tags to the specified resource
<a href="#">untag_resource</a>	Removes the specified tags from the specified resource
<a href="#">update_lifecycle_policy</a>	Updates the specified lifecycle policy

**Examples**

```
## Not run:
```

```
svc <- dlm()
svc$create_lifecycle_policy(
  Foo = 123
)

## End(Not run)
```

## Description

You can use the Amazon Elastic Block Store (Amazon EBS) direct APIs to create Amazon EBS snapshots, write data directly to your snapshots, read data on your snapshots, and identify the differences or changes between two snapshots. If you're an independent software vendor (ISV) who offers backup services for Amazon EBS, the EBS direct APIs make it more efficient and cost-effective to track incremental changes on your Amazon EBS volumes through snapshots. This can be done without having to create new volumes from snapshots, and then use Amazon Elastic Compute Cloud (Amazon EC2) instances to compare the differences.

You can create incremental snapshots directly from data on-premises into volumes and the cloud to use for quick disaster recovery. With the ability to write and read snapshots, you can write your on-premises data to an snapshot during a disaster. Then after recovery, you can restore it back to Amazon Web Services or on-premises from the snapshot. You no longer need to build and maintain complex mechanisms to copy data to and from Amazon EBS.

This API reference provides detailed information about the actions, data types, parameters, and errors of the EBS direct APIs. For more information about the elements that make up the EBS direct APIs, and examples of how to use them effectively, see [Accessing the Contents of an Amazon EBS Snapshot](#) in the *Amazon Elastic Compute Cloud User Guide*. For more information about the supported Amazon Web Services Regions, endpoints, and service quotas for the EBS direct APIs, see [Amazon Elastic Block Store Endpoints and Quotas](#) in the *Amazon Web Services General Reference*.

## Usage

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

## Arguments

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

- **credentials:**

- **creds:**

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

	<ul style="list-style-type: none"> <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> </ul> <ul style="list-style-type: none"> <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 <- ebs(
  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="#">complete_snapshot</a>	Seals and completes the snapshot after all of the required blocks of data have been written to it
<a href="#">get_snapshot_block</a>	Returns the data in a block in an Amazon Elastic Block Store snapshot
<a href="#">list_changed_blocks</a>	Returns information about the blocks that are different between two Amazon Elastic Block Store snapshots
<a href="#">list_snapshot_blocks</a>	Returns information about the blocks in an Amazon Elastic Block Store snapshot
<a href="#">put_snapshot_block</a>	Writes a block of data to a snapshot
<a href="#">start_snapshot</a>	Creates a new Amazon EBS snapshot

## Examples

```

## Not run:
svc <- ebs()
svc$complete_snapshot(
  Foo = 123
)

## End(Not run)

```

## Description

Amazon Elastic File System (Amazon EFS) provides simple, scalable file storage for use with Amazon EC2 Linux and Mac instances in the Amazon Web Services Cloud. With Amazon EFS, storage capacity is elastic, growing and shrinking automatically as you add and remove files, so

that your applications have the storage they need, when they need it. For more information, see the [Amazon Elastic File System API Reference](#) and the [Amazon Elastic File System User Guide](#).

## Usage

```
efs(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> <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> </ul> </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 <- efs(
  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_access_point</a>	Creates an EFS access point
<a href="#">create_file_system</a>	Creates a new, empty file system
<a href="#">create_mount_target</a>	Creates a mount target for a file system
<a href="#">create_replication_configuration</a>	Creates a replication configuration that replicates an existing EFS file system to a n
<a href="#">create_tags</a>	DEPRECATED - CreateTags is deprecated and not maintained
<a href="#">delete_access_point</a>	Deletes the specified access point
<a href="#">delete_file_system</a>	Deletes a file system, permanently severing access to its contents
<a href="#">delete_file_system_policy</a>	Deletes the FileSystemPolicy for the specified file system
<a href="#">delete_mount_target</a>	Deletes the specified mount target
<a href="#">delete_replication_configuration</a>	Deletes an existing replication configuration
<a href="#">delete_tags</a>	DEPRECATED - DeleteTags is deprecated and not maintained
<a href="#">describe_access_points</a>	Returns the description of a specific Amazon EFS access point if the AccessPointID
<a href="#">describe_account_preferences</a>	Returns the account preferences settings for the Amazon Web Services account ass
<a href="#">describe_backup_policy</a>	Returns the backup policy for the specified EFS file system

<a href="#">describe_file_system_policy</a>	Returns the FileSystemPolicy for the specified EFS file system
<a href="#">describe_file_systems</a>	Returns the description of a specific Amazon EFS file system if either the file system
<a href="#">describe_lifecycle_configuration</a>	Returns the current LifecycleConfiguration object for the specified Amazon EFS fil
<a href="#">describe_mount_targets</a>	Returns the descriptions of all the current mount targets, or a specific mount target,
<a href="#">describe_mount_target_security_groups</a>	Returns the security groups currently in effect for a mount target
<a href="#">describe_replication_configurations</a>	Retrieves the replication configuration for a specific file system
<a href="#">describe_tags</a>	DEPRECATED - The DescribeTags action is deprecated and not maintained
<a href="#">list_tags_for_resource</a>	Lists all tags for a top-level EFS resource
<a href="#">modify_mount_target_security_groups</a>	Modifies the set of security groups in effect for a mount target
<a href="#">put_account_preferences</a>	Use this operation to set the account preference in the current Amazon Web Service
<a href="#">put_backup_policy</a>	Updates the file system's backup policy
<a href="#">put_file_system_policy</a>	Applies an Amazon EFS FileSystemPolicy to an Amazon EFS file system
<a href="#">put_lifecycle_configuration</a>	Use this action to manage EFS lifecycle management and EFS Intelligent-Tiering
<a href="#">tag_resource</a>	Creates a tag for an EFS resource
<a href="#">untag_resource</a>	Removes tags from an EFS resource
<a href="#">update_file_system</a>	Updates the throughput mode or the amount of provisioned throughput of an existin

## Examples

```
## Not run:
svc <- efs()
# This operation creates a new, encrypted file system with automatic
# backups enabled, and the default generalpurpose performance mode.
svc$create_file_system(
  Backup = TRUE,
  CreationToken = "tokenstring",
  Encrypted = TRUE,
  PerformanceMode = "generalPurpose",
  Tags = list(
    list(
      Key = "Name",
      Value = "MyFileSystem"
    )
  )
)
## End(Not run)
```

## Description

The FinSpace APIs let you take actions inside the FinSpace.



**Usage**

```
finspace_data(
  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> <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> </ul> </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 <- finspacedata(
  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_user_to_permission_group</a>	Adds a user account to a permission group to grant permissions for actions a user can perform in FinSpace
<a href="#">create_changeset</a>	Creates a new Changeset in a FinSpace Dataset
<a href="#">create_dataset</a>	Creates a new FinSpace Dataset
<a href="#">create_data_view</a>	Creates a Dataview for a Dataset
<a href="#">create_permission_group</a>	Creates a group of permissions for various actions that a user can perform in FinSpace
<a href="#">create_user</a>	Creates a new user in FinSpace
<a href="#">delete_dataset</a>	Deletes a FinSpace Dataset
<a href="#">delete_permission_group</a>	Deletes a permission group
<a href="#">disable_user</a>	Denies access to the FinSpace web application and API for the specified user
<a href="#">disassociate_user_from_permission_group</a>	Removes a user account from a permission group
<a href="#">enable_user</a>	Allows the specified user to access the FinSpace web application and API
<a href="#">get_changeset</a>	Get information about a Changeset
<a href="#">get_dataset</a>	Returns information about a Dataset
<a href="#">get_data_view</a>	Gets information about a Dataview

<a href="#">get_external_data_view_access_details</a>	Returns the credentials to access the external Dataview from an S3 location
<a href="#">get_permission_group</a>	Retrieves the details of a specific permission group
<a href="#">get_programmatic_access_credentials</a>	Request programmatic credentials to use with FinSpace SDK
<a href="#">get_user</a>	Retrieves details for a specific user
<a href="#">get_working_location</a>	A temporary Amazon S3 location, where you can copy your files from a source
<a href="#">list_changesets</a>	Lists the FinSpace Changesets for a Dataset
<a href="#">list_datasets</a>	Lists all of the active Datasets that a user has access to
<a href="#">list_data_views</a>	Lists all available Dataviews for a Dataset
<a href="#">list_permission_groups</a>	Lists all available permission groups in FinSpace
<a href="#">list_permission_groups_by_user</a>	Lists all the permission groups that are associated with a specific user account
<a href="#">list_users</a>	Lists all available user accounts in FinSpace
<a href="#">list_users_by_permission_group</a>	Lists details of all the users in a specific permission group
<a href="#">reset_user_password</a>	Resets the password for a specified user ID and generates a temporary one
<a href="#">update_changeset</a>	Updates a FinSpace Changeset
<a href="#">update_dataset</a>	Updates a FinSpace Dataset
<a href="#">update_permission_group</a>	Modifies the details of a permission group
<a href="#">update_user</a>	Modifies the details of the specified user account

## Examples

```
## Not run:
svc <- finspacedata()
svc$associate_user_to_permission_group(
  Foo = 123
)

## End(Not run)
```

---

 fsx

*Amazon FSx*


---

## Description

Amazon FSx is a fully managed service that makes it easy for storage and application administrators to launch and use shared file storage.

## Usage

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

## Arguments

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

- **credentials:**

	<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> <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 <- fsx(
  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_file_system_aliases</a>	Use this action to associate one or more Domain Name Server (DNS) aliases with an Amazon FSx for Lustre file system.
<a href="#">cancel_data_repository_task</a>	Cancel an existing Amazon FSx for Lustre data repository task if that task is in either the <code>Pending</code> or <code>InProgress</code> state.
<a href="#">copy_backup</a>	Copy an existing backup within the same Amazon Web Services account to another Amazon FSx for Windows File Server file system.
<a href="#">create_backup</a>	Create a backup of an existing Amazon FSx for Windows File Server file system, Amazon FSx for Lustre file system, or Amazon File Cache resource.
<a href="#">create_data_repository_association</a>	Create an Amazon FSx for Lustre data repository association (DRA).
<a href="#">create_data_repository_task</a>	Create an Amazon FSx for Lustre data repository task.
<a href="#">create_file_cache</a>	Create a new Amazon File Cache resource.
<a href="#">create_file_system</a>	Create a new, empty Amazon FSx file system.
<a href="#">create_file_system_from_backup</a>	Create a new Amazon FSx for Lustre, Amazon FSx for Windows File Server, or Amazon File Cache resource from an existing Amazon FSx backup.
<a href="#">create_snapshot</a>	Create a snapshot of an existing Amazon FSx for OpenZFS volume.
<a href="#">create_storage_virtual_machine</a>	Create a storage virtual machine (SVM) for an Amazon FSx for ONTAP file system.
<a href="#">create_volume</a>	Create an FSx for ONTAP or Amazon FSx for OpenZFS storage volume.
<a href="#">create_volume_from_backup</a>	Create a new Amazon FSx for NetApp ONTAP volume from an existing Amazon FSx backup.
<a href="#">delete_backup</a>	Delete an Amazon FSx backup.
<a href="#">delete_data_repository_association</a>	Delete a data repository association on an Amazon FSx for Lustre file system.
<a href="#">delete_file_cache</a>	Delete an Amazon File Cache resource.
<a href="#">delete_file_system</a>	Delete a file system.
<a href="#">delete_snapshot</a>	Delete an Amazon FSx for OpenZFS snapshot.
<a href="#">delete_storage_virtual_machine</a>	Delete an existing Amazon FSx for ONTAP storage virtual machine (SVM).
<a href="#">delete_volume</a>	Delete an Amazon FSx for NetApp ONTAP or Amazon FSx for OpenZFS volume.
<a href="#">describe_backups</a>	Return the description of a specific Amazon FSx backup, if a <code>BackupIds</code> value is provided.
<a href="#">describe_data_repository_associations</a>	Return the description of specific Amazon FSx for Lustre or Amazon File Cache data repository associations.
<a href="#">describe_data_repository_tasks</a>	Return the description of specific Amazon FSx for Lustre or Amazon File Cache data repository tasks.
<a href="#">describe_file_caches</a>	Return the description of a specific Amazon File Cache resource, if a <code>FileCacheIds</code> value is provided.

<a href="#">describe_file_system_aliases</a>	Returns the DNS aliases that are associated with the specified Amazon FSx for Windows File System (FSx for Windows).
<a href="#">describe_file_systems</a>	Returns the description of specific Amazon FSx file systems, if a FileSystemIds value is provided.
<a href="#">describe_snapshots</a>	Returns the description of specific Amazon FSx for OpenZFS snapshots, if a SnapshotIds value is provided.
<a href="#">describe_storage_virtual_machines</a>	Describes one or more Amazon FSx for NetApp ONTAP storage virtual machines (SVMs).
<a href="#">describe_volumes</a>	Describes one or more Amazon FSx for NetApp ONTAP or Amazon FSx for OpenZFS volumes.
<a href="#">disassociate_file_system_aliases</a>	Use this action to disassociate, or remove, one or more Domain Name Service (DNS) aliases from an Amazon FSx resource.
<a href="#">list_tags_for_resource</a>	Lists tags for Amazon FSx resources.
<a href="#">release_file_system_nfs_v3_locks</a>	Releases the file system lock from an Amazon FSx for OpenZFS file system.
<a href="#">restore_volume_from_snapshot</a>	Returns an Amazon FSx for OpenZFS volume to the state saved by the specified snapshot.
<a href="#">tag_resource</a>	Tags an Amazon FSx resource.
<a href="#">untag_resource</a>	This action removes a tag from an Amazon FSx resource.
<a href="#">update_data_repository_association</a>	Updates the configuration of an existing data repository association on an Amazon FSx resource.
<a href="#">update_file_cache</a>	Updates the configuration of an existing Amazon File Cache resource.
<a href="#">update_file_system</a>	Use this operation to update the configuration of an existing Amazon FSx file system.
<a href="#">update_snapshot</a>	Updates the name of an Amazon FSx for OpenZFS snapshot.
<a href="#">update_storage_virtual_machine</a>	Updates an FSx for ONTAP storage virtual machine (SVM).
<a href="#">update_volume</a>	Updates the configuration of an Amazon FSx for NetApp ONTAP or Amazon FSx for OpenZFS volume.

## Examples

```
## Not run:
svc <- fsx()
# This operation copies an Amazon FSx backup.
svc$copy_backup(
  SourceBackupId = "backup-03e3c82e0183b7b6b",
  SourceRegion = "us-east-2"
)

## End(Not run)
```

---

glacier

*Amazon Glacier*

---

## Description

Amazon S3 Glacier (Glacier) is a storage solution for "cold data."

Glacier is an extremely low-cost storage service that provides secure, durable, and easy-to-use storage for data backup and archival. With Glacier, customers can store their data cost effectively for months, years, or decades. Glacier also enables customers to offload the administrative burdens of operating and scaling storage to AWS, so they don't have to worry about capacity planning, hardware provisioning, data replication, hardware failure and recovery, or time-consuming hardware migrations.

Glacier is a great storage choice when low storage cost is paramount and your data is rarely retrieved. If your application requires fast or frequent access to your data, consider using Amazon S3. For more information, see [Amazon Simple Storage Service \(Amazon S3\)](#).

You can store any kind of data in any format. There is no maximum limit on the total amount of data you can store in Glacier.

If you are a first-time user of Glacier, we recommend that you begin by reading the following sections in the *Amazon S3 Glacier Developer Guide*:

- **What is Amazon S3 Glacier** - This section of the Developer Guide describes the underlying data model, the operations it supports, and the AWS SDKs that you can use to interact with the service.
- **Getting Started with Amazon S3 Glacier** - The Getting Started section walks you through the process of creating a vault, uploading archives, creating jobs to download archives, retrieving the job output, and deleting archives.

## Usage

```
glacier(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> <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> </ul> </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 <- glacier(
  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**

[abort\\_multipart\\_upload](#)

This operation aborts a multipart upload identified by the upload ID

[abort\\_vault\\_lock](#)

This operation aborts the vault locking process if the vault lock is not in the Locked state

[add\\_tags\\_to\\_vault](#)

This operation adds the specified tags to a vault

[complete\\_multipart\\_upload](#)

You call this operation to inform Amazon S3 Glacier (Glacier) that all the archive parts have been uploaded

[complete\\_vault\\_lock](#)

This operation completes the vault locking process by transitioning the vault lock from the Locked state to the Open state

[create\\_vault](#)

This operation creates a new vault with the specified name

[delete\\_archive](#)

This operation deletes an archive from a vault

[delete\\_vault](#)

This operation deletes a vault



<a href="#">delete_vault_access_policy</a>	This operation deletes the access policy associated with the specified vault
<a href="#">delete_vault_notifications</a>	This operation deletes the notification configuration set for a vault
<a href="#">describe_job</a>	This operation returns information about a job you previously initiated, including the job name
<a href="#">describe_vault</a>	This operation returns information about a vault, including the vault's Amazon Resource Name (ARN)
<a href="#">get_data_retrieval_policy</a>	This operation returns the current data retrieval policy for the account and region specified in the request
<a href="#">get_job_output</a>	This operation downloads the output of the job you initiated using <code>InitiateJob</code>
<a href="#">get_vault_access_policy</a>	This operation retrieves the access-policy subresource set on the vault; for more information, see <a href="#">Access Policies</a>
<a href="#">get_vault_lock</a>	This operation retrieves the following attributes from the lock-policy subresource set on the vault:
<a href="#">get_vault_notifications</a>	This operation retrieves the notification-configuration subresource of the specified vault
<a href="#">initiate_job</a>	This operation initiates a job of the specified type, which can be a select, an archival retrieval, or a multipart upload
<a href="#">initiate_multipart_upload</a>	This operation initiates a multipart upload
<a href="#">initiate_vault_lock</a>	This operation initiates the vault locking process by doing the following:
<a href="#">list_jobs</a>	This operation lists jobs for a vault, including jobs that are in-progress and jobs that have been completed
<a href="#">list_multipart_uploads</a>	This operation lists in-progress multipart uploads for the specified vault
<a href="#">list_parts</a>	This operation lists the parts of an archive that have been uploaded in a specific multipart upload
<a href="#">list_provisioned_capacity</a>	This operation lists the provisioned capacity units for the specified AWS account
<a href="#">list_tags_for_vault</a>	This operation lists all the tags attached to a vault
<a href="#">list_vaults</a>	This operation lists all vaults owned by the calling user's account
<a href="#">purchase_provisioned_capacity</a>	This operation purchases a provisioned capacity unit for an AWS account
<a href="#">remove_tags_from_vault</a>	This operation removes one or more tags from the set of tags attached to a vault
<a href="#">set_data_retrieval_policy</a>	This operation sets and then enacts a data retrieval policy in the region specified in the <code>PUT</code> request
<a href="#">set_vault_access_policy</a>	This operation configures an access policy for a vault and will overwrite an existing policy
<a href="#">set_vault_notifications</a>	This operation configures notifications that will be sent when specific events happen to a vault
<a href="#">upload_archive</a>	This operation adds an archive to a vault
<a href="#">upload_multipart_part</a>	This operation uploads a part of an archive

## Examples

```
## Not run:
svc <- glacier()
# The example deletes an in-progress multipart upload to a vault named
# my-vault:
svc$abort_multipart_upload(
  accountId = "-",
  uploadId = "19gaRezEXAMPLES6Ry5YYdqthHOC_kGRCT03L9yetr220UmPtBYKk-0ssZtLq...",
  vaultName = "my-vault"
)

## End(Not run)
```

## Description

This is the *Recycle Bin API Reference*. This documentation provides descriptions and syntax for each of the actions and data types in Recycle Bin.

Recycle Bin is a resource recovery feature that enables you to restore accidentally deleted snapshots and EBS-backed AMIs. When using Recycle Bin, if your resources are deleted, they are retained in the Recycle Bin for a time period that you specify.

You can restore a resource from the Recycle Bin at any time before its retention period expires. After you restore a resource from the Recycle Bin, the resource is removed from the Recycle Bin, and you can then use it in the same way you use any other resource of that type in your account. If the retention period expires and the resource is not restored, the resource is permanently deleted from the Recycle Bin and is no longer available for recovery. For more information about Recycle Bin, see [Recycle Bin](#) in the *Amazon Elastic Compute Cloud User Guide*.

## Usage

```
recyclebin(
    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> <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> </ul> </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 <- recyclebin(
  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>create_rule</code>	Creates a Recycle Bin retention rule
<code>delete_rule</code>	Deletes a Recycle Bin retention rule
<code>get_rule</code>	Gets information about a Recycle Bin retention rule
<code>list_rules</code>	Lists the Recycle Bin retention rules in the Region
<code>list_tags_for_resource</code>	Lists the tags assigned to a retention rule
<code>lock_rule</code>	Locks a retention rule
<code>tag_resource</code>	Assigns tags to the specified retention rule
<code>unlock_rule</code>	Unlocks a retention rule
<code>untag_resource</code>	Unassigns a tag from a retention rule
<code>update_rule</code>	Updates an existing Recycle Bin retention rule

## Examples

```
## Not run:
svc <- recyclebin()
svc$create_rule(
  Foo = 123
)

## End(Not run)
```

s3

*Amazon Simple Storage Service*

## Description

Amazon Simple Storage Service

## Usage

```
s3(config = list(), credentials = list(), endpoint = NULL, region = NULL)
```

## Arguments

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

- **credentials:**
  - **creds:**
    - \* **access\_key\_id:** AWS access key ID
    - \* **secret\_access\_key:** AWS secret access key
    - \* **session\_token:** AWS temporary session token
  - **profile:** The name of a profile to use. If not given, then the default profile is used.

	<ul style="list-style-type: none"> <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> </ul> <ul style="list-style-type: none"> <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 <- s3(
  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="#">abort_multipart_upload</a>	This action aborts a multipart upload
<a href="#">complete_multipart_upload</a>	Completes a multipart upload by assembling previously uploaded parts
<a href="#">copy_object</a>	Creates a copy of an object that is already stored in Amazon S3
<a href="#">create_bucket</a>	Creates a new S3 bucket
<a href="#">create_multipart_upload</a>	This action initiates a multipart upload and returns an upload ID
<a href="#">delete_bucket</a>	Deletes the S3 bucket
<a href="#">delete_bucket_analytics_configuration</a>	Deletes an analytics configuration for the bucket (specified by the analytics ID)
<a href="#">delete_bucket_cors</a>	Deletes the cors configuration information set for the bucket
<a href="#">delete_bucket_encryption</a>	This implementation of the DELETE action resets the default encryption for the bucket
<a href="#">delete_bucket_intelligent_tiering_configuration</a>	Deletes the S3 Intelligent-Tiering configuration from the specified bucket
<a href="#">delete_bucket_inventory_configuration</a>	Deletes an inventory configuration (identified by the inventory ID) from the specified bucket
<a href="#">delete_bucket_lifecycle</a>	Deletes the lifecycle configuration from the specified bucket
<a href="#">delete_bucket_metrics_configuration</a>	Deletes a metrics configuration for the Amazon CloudWatch request metrics for the bucket
<a href="#">delete_bucket_ownership_controls</a>	Removes OwnershipControls for an Amazon S3 bucket
<a href="#">delete_bucket_policy</a>	This implementation of the DELETE action uses the policy subresource to delete the bucket policy
<a href="#">delete_bucket_replication</a>	Deletes the replication configuration from the bucket
<a href="#">delete_bucket_tagging</a>	Deletes the tags from the bucket
<a href="#">delete_bucket_website</a>	This action removes the website configuration for a bucket
<a href="#">delete_object</a>	Removes the null version (if there is one) of an object and inserts a delete marker
<a href="#">delete_objects</a>	This action enables you to delete multiple objects from a bucket using a single DELETE request
<a href="#">delete_object_tagging</a>	Removes the entire tag set from the specified object
<a href="#">delete_public_access_block</a>	Removes the PublicAccessBlock configuration for an Amazon S3 bucket
<a href="#">download_file</a>	Download a file from S3 and store it at a specified file location
<a href="#">generate_presigned_url</a>	@title Generate a presigned url given a client, its method, and arguments
<a href="#">get_bucket_accelerate_configuration</a>	This implementation of the GET action uses the accelerate subresource to return the bucket's accelerate configuration
<a href="#">get_bucket_acl</a>	This implementation of the GET action uses the acl subresource to return the bucket's ACL
<a href="#">get_bucket_analytics_configuration</a>	This implementation of the GET action returns an analytics configuration (identified by the analytics ID)
<a href="#">get_bucket_cors</a>	Returns the Cross-Origin Resource Sharing (CORS) configuration information for the bucket
<a href="#">get_bucket_encryption</a>	Returns the default encryption configuration for an Amazon S3 bucket
<a href="#">get_bucket_intelligent_tiering_configuration</a>	Gets the S3 Intelligent-Tiering configuration from the specified bucket
<a href="#">get_bucket_inventory_configuration</a>	Returns an inventory configuration (identified by the inventory configuration ID)

[get\\_bucket\\_lifecycle](#)  
[get\\_bucket\\_lifecycle\\_configuration](#)  
[get\\_bucket\\_location](#)  
[get\\_bucket\\_logging](#)  
[get\\_bucket\\_metrics\\_configuration](#)  
[get\\_bucket\\_notification](#)  
[get\\_bucket\\_notification\\_configuration](#)  
[get\\_bucket\\_ownership\\_controls](#)  
[get\\_bucket\\_policy](#)  
[get\\_bucket\\_policy\\_status](#)  
[get\\_bucket\\_replication](#)  
[get\\_bucket\\_request\\_payment](#)  
[get\\_bucket\\_tagging](#)  
[get\\_bucket\\_versioning](#)  
[get\\_bucket\\_website](#)  
[get\\_object](#)  
[get\\_object\\_acl](#)  
[get\\_object\\_attributes](#)  
[get\\_object\\_legal\\_hold](#)  
[get\\_object\\_lock\\_configuration](#)  
[get\\_object\\_retention](#)  
[get\\_object\\_tagging](#)  
[get\\_object\\_torrent](#)  
[get\\_public\\_access\\_block](#)  
[head\\_bucket](#)  
[head\\_object](#)  
[list\\_bucket\\_analytics\\_configurations](#)  
[list\\_bucket\\_intelligent\\_tiering\\_configurations](#)  
[list\\_bucket\\_inventory\\_configurations](#)  
[list\\_bucket\\_metrics\\_configurations](#)  
[list\\_buckets](#)  
[list\\_multipart\\_uploads](#)  
[list\\_objects](#)  
[list\\_objects\\_v2](#)  
[list\\_object\\_versions](#)  
[list\\_parts](#)  
[put\\_bucket\\_accelerate\\_configuration](#)  
[put\\_bucket\\_acl](#)  
[put\\_bucket\\_analytics\\_configuration](#)  
[put\\_bucket\\_cors](#)  
[put\\_bucket\\_encryption](#)  
[put\\_bucket\\_intelligent\\_tiering\\_configuration](#)  
[put\\_bucket\\_inventory\\_configuration](#)  
[put\\_bucket\\_lifecycle](#)  
[put\\_bucket\\_lifecycle\\_configuration](#)  
[put\\_bucket\\_logging](#)  
[put\\_bucket\\_metrics\\_configuration](#)  
[put\\_bucket\\_notification](#)

For an updated version of this API, see [GetBucketLifecycleConfiguration](#)  
 Bucket lifecycle configuration now supports specifying a lifecycle rule using  
 Returns the Region the bucket resides in  
 Returns the logging status of a bucket and the permissions users have to view  
 Gets a metrics configuration (specified by the metrics configuration ID) from  
 No longer used, see [GetBucketNotificationConfiguration](#)  
 Returns the notification configuration of a bucket  
 Retrieves OwnershipControls for an Amazon S3 bucket  
 Returns the policy of a specified bucket  
 Retrieves the policy status for an Amazon S3 bucket, indicating whether the  
 Returns the replication configuration of a bucket  
 Returns the request payment configuration of a bucket  
 Returns the tag set associated with the bucket  
 Returns the versioning state of a bucket  
 Returns the website configuration for a bucket  
 Retrieves objects from Amazon S3  
 Returns the access control list (ACL) of an object  
 Retrieves all the metadata from an object without returning the object itself  
 Gets an object's current legal hold status  
 Gets the Object Lock configuration for a bucket  
 Retrieves an object's retention settings  
 Returns the tag-set of an object  
 Returns torrent files from a bucket  
 Retrieves the PublicAccessBlock configuration for an Amazon S3 bucket  
 This action is useful to determine if a bucket exists and you have permission  
 The HEAD action retrieves metadata from an object without returning the o  
 Lists the analytics configurations for the bucket  
 Lists the S3 Intelligent-Tiering configuration from the specified bucket  
 Returns a list of inventory configurations for the bucket  
 Lists the metrics configurations for the bucket  
 Returns a list of all buckets owned by the authenticated sender of the request  
 This action lists in-progress multipart uploads  
 Returns some or all (up to 1,000) of the objects in a bucket  
 Returns some or all (up to 1,000) of the objects in a bucket with each request  
 Returns metadata about all versions of the objects in a bucket  
 Lists the parts that have been uploaded for a specific multipart upload  
 Sets the accelerate configuration of an existing bucket  
 Sets the permissions on an existing bucket using access control lists (ACL)  
 Sets an analytics configuration for the bucket (specified by the analytics con  
 Sets the cors configuration for your bucket  
 This action uses the encryption subresource to configure default encryption  
 Puts a S3 Intelligent-Tiering configuration to the specified bucket  
 This implementation of the PUT action adds an inventory configuration (ide  
 For an updated version of this API, see [PutBucketLifecycleConfiguration](#)  
 Creates a new lifecycle configuration for the bucket or replaces an existing l  
 Set the logging parameters for a bucket and to specify permissions for who  
 Sets a metrics configuration (specified by the metrics configuration ID) for t  
 No longer used, see the [PutBucketNotificationConfiguration](#) operation

<code>put_bucket_notification_configuration</code>	Enables notifications of specified events for a bucket
<code>put_bucket_ownership_controls</code>	Creates or modifies OwnershipControls for an Amazon S3 bucket
<code>put_bucket_policy</code>	Applies an Amazon S3 bucket policy to an Amazon S3 bucket
<code>put_bucket_replication</code>	Creates a replication configuration or replaces an existing one
<code>put_bucket_request_payment</code>	Sets the request payment configuration for a bucket
<code>put_bucket_tagging</code>	Sets the tags for a bucket
<code>put_bucket_versioning</code>	Sets the versioning state of an existing bucket
<code>put_bucket_website</code>	Sets the configuration of the website that is specified in the website subresource
<code>put_object</code>	Adds an object to a bucket
<code>put_object_acl</code>	Uses the acl subresource to set the access control list (ACL) permissions for an object
<code>put_object_legal_hold</code>	Applies a legal hold configuration to the specified object
<code>put_object_lock_configuration</code>	Places an Object Lock configuration on the specified bucket
<code>put_object_retention</code>	Places an Object Retention configuration on an object
<code>put_object_tagging</code>	Sets the supplied tag-set to an object that already exists in a bucket
<code>put_public_access_block</code>	Creates or modifies the PublicAccessBlock configuration for an Amazon S3 bucket
<code>restore_object</code>	Restores an archived copy of an object back into Amazon S3
<code>select_object_content</code>	This action filters the contents of an Amazon S3 object based on a simple string filter
<code>upload_part</code>	Uploads a part in a multipart upload
<code>upload_part_copy</code>	Uploads a part by copying data from an existing object as data source
<code>write_get_object_response</code>	Passes transformed objects to a GetObject operation when using Object Lambda

## Examples

```
## Not run:
svc <- s3()
# The following example aborts a multipart upload.
svc$abort_multipart_upload(
  Bucket = "examplebucket",
  Key = "bigobject",
  UploadId = "xadc0B_7YPB0JuoFiQ9cz4P3Pe6FIZw04f7wN93uHsNBEw97p15eNwzExg0LA..."
)

## End(Not run)
```

---

s3control

*AWS S3 Control*

---

## Description

Amazon Web Services S3 Control provides access to Amazon S3 control plane actions.



**Usage**

```
s3control(
  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> <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> </ul> </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 <- s3control(
  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_access_point</a>	Creates an access point and associates it with the specified bucket
<a href="#">create_access_point_for_object_lambda</a>	Creates an Object Lambda Access Point
<a href="#">create_bucket</a>	This action creates an Amazon S3 on Outposts bucket
<a href="#">create_job</a>	You can use S3 Batch Operations to perform large-scale batch actions on
<a href="#">create_multi_region_access_point</a>	Creates a Multi-Region Access Point and associates it with the specified
<a href="#">delete_access_point</a>	Deletes the specified access point
<a href="#">delete_access_point_for_object_lambda</a>	Deletes the specified Object Lambda Access Point
<a href="#">delete_access_point_policy</a>	Deletes the access point policy for the specified access point
<a href="#">delete_access_point_policy_for_object_lambda</a>	Removes the resource policy for an Object Lambda Access Point
<a href="#">delete_bucket</a>	This action deletes an Amazon S3 on Outposts bucket
<a href="#">delete_bucket_lifecycle_configuration</a>	This action deletes an Amazon S3 on Outposts bucket's lifecycle config
<a href="#">delete_bucket_policy</a>	This action deletes an Amazon S3 on Outposts bucket policy
<a href="#">delete_bucket_replication</a>	This operation deletes an Amazon S3 on Outposts bucket's replication c
<a href="#">delete_bucket_tagging</a>	This action deletes an Amazon S3 on Outposts bucket's tags

<code>delete_job_tagging</code>	Removes the entire tag set from the specified S3 Batch Operations job
<code>delete_multi_region_access_point</code>	Deletes a Multi-Region Access Point
<code>delete_public_access_block</code>	Removes the PublicAccessBlock configuration for an Amazon Web Services resource
<code>delete_storage_lens_configuration</code>	Deletes the Amazon S3 Storage Lens configuration
<code>delete_storage_lens_configuration_tagging</code>	Deletes the Amazon S3 Storage Lens configuration tags
<code>describe_job</code>	Retrieves the configuration parameters and status for a Batch Operation
<code>describe_multi_region_access_point_operation</code>	Retrieves the status of an asynchronous request to manage a Multi-Region Access Point
<code>get_access_point</code>	Returns configuration information about the specified access point
<code>get_access_point_configuration_for_object_lambda</code>	Returns configuration for an Object Lambda Access Point
<code>get_access_point_for_object_lambda</code>	Returns configuration information about the specified Object Lambda Access Point
<code>get_access_point_policy</code>	Returns the access point policy associated with the specified access point
<code>get_access_point_policy_for_object_lambda</code>	Returns the resource policy for an Object Lambda Access Point
<code>get_access_point_policy_status</code>	Indicates whether the specified access point currently has a policy that a
<code>get_access_point_policy_status_for_object_lambda</code>	Returns the status of the resource policy associated with an Object Lambda
<code>get_bucket</code>	Gets an Amazon S3 on Outposts bucket
<code>get_bucket_lifecycle_configuration</code>	This action gets an Amazon S3 on Outposts bucket's lifecycle configuration
<code>get_bucket_policy</code>	This action gets a bucket policy for an Amazon S3 on Outposts bucket
<code>get_bucket_replication</code>	This operation gets an Amazon S3 on Outposts bucket's replication configuration
<code>get_bucket_tagging</code>	This action gets an Amazon S3 on Outposts bucket's tags
<code>get_bucket_versioning</code>	This operation returns the versioning state for S3 on Outposts buckets only
<code>get_job_tagging</code>	Returns the tags on an S3 Batch Operations job
<code>get_multi_region_access_point</code>	Returns configuration information about the specified Multi-Region Access Point
<code>get_multi_region_access_point_policy</code>	Returns the access control policy of the specified Multi-Region Access Point
<code>get_multi_region_access_point_policy_status</code>	Indicates whether the specified Multi-Region Access Point has an access control policy
<code>get_multi_region_access_point_routes</code>	Returns the routing configuration for a Multi-Region Access Point, including
<code>get_public_access_block</code>	Retrieves the PublicAccessBlock configuration for an Amazon Web Services resource
<code>get_storage_lens_configuration</code>	Gets the Amazon S3 Storage Lens configuration
<code>get_storage_lens_configuration_tagging</code>	Gets the tags of Amazon S3 Storage Lens configuration
<code>list_access_points</code>	Returns a list of the access points that are owned by the current account
<code>list_access_points_for_object_lambda</code>	Returns some or all (up to 1,000) access points associated with the Object Lambda
<code>list_jobs</code>	Lists current S3 Batch Operations jobs and jobs that have ended within the specified
<code>list_multi_region_access_points</code>	Returns a list of the Multi-Region Access Points currently associated with the
<code>list_regional_buckets</code>	Returns a list of all Outposts buckets in an Outpost that are owned by the
<code>list_storage_lens_configurations</code>	Gets a list of Amazon S3 Storage Lens configurations
<code>put_access_point_configuration_for_object_lambda</code>	Replaces configuration for an Object Lambda Access Point
<code>put_access_point_policy</code>	Associates an access policy with the specified access point
<code>put_access_point_policy_for_object_lambda</code>	Creates or replaces resource policy for an Object Lambda Access Point
<code>put_bucket_lifecycle_configuration</code>	This action puts a lifecycle configuration to an Amazon S3 on Outposts bucket
<code>put_bucket_policy</code>	This action puts a bucket policy to an Amazon S3 on Outposts bucket
<code>put_bucket_replication</code>	This action creates an Amazon S3 on Outposts bucket's replication configuration
<code>put_bucket_tagging</code>	This action puts tags on an Amazon S3 on Outposts bucket
<code>put_bucket_versioning</code>	This operation sets the versioning state for S3 on Outposts buckets only
<code>put_job_tagging</code>	Sets the supplied tag-set on an S3 Batch Operations job
<code>put_multi_region_access_point_policy</code>	Associates an access control policy with the specified Multi-Region Access Point
<code>put_public_access_block</code>	Creates or modifies the PublicAccessBlock configuration for an Amazon Web Services resource
<code>put_storage_lens_configuration</code>	Puts an Amazon S3 Storage Lens configuration
<code>put_storage_lens_configuration_tagging</code>	Put or replace tags on an existing Amazon S3 Storage Lens configuration
<code>submit_multi_region_access_point_routes</code>	Submits an updated route configuration for a Multi-Region Access Point

update\_job\_priority  
update\_job\_status

Updates an existing S3 Batch Operations job's priority  
Updates the status for the specified job

## Examples

```
## Not run:
svc <- s3control()
svc$create_access_point(
  Foo = 123
)

## End(Not run)
```

---

s3outposts

*Amazon S3 on Outposts*

---

## Description

Amazon S3 on Outposts provides access to S3 on Outposts operations.

## Usage

```
s3outposts(
  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 <- s3outposts(
  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_endpoint</a>	Creates an endpoint and associates it with the specified Outpost
<a href="#">delete_endpoint</a>	Deletes an endpoint
<a href="#">list_endpoints</a>	Lists endpoints associated with the specified Outpost
<a href="#">list_outposts_with_s3</a>	Lists the Outposts with S3 on Outposts capacity for your Amazon Web Services account
<a href="#">list_shared_endpoints</a>	Lists all endpoints associated with an Outpost that has been shared by Amazon Web Services Resource

## Examples

```

## Not run:
svc <- s3outposts()
svc$create_endpoint(
  Foo = 123
)

## End(Not run)

```

---

storagegateway

*AWS Storage Gateway*

---

## Description

### Storage Gateway Service

Storage Gateway is the service that connects an on-premises software appliance with cloud-based storage to provide seamless and secure integration between an organization's on-premises IT environment and the Amazon Web Services storage infrastructure. The service enables you to securely upload data to the Amazon Web Services Cloud for cost effective backup and rapid disaster recovery.

Use the following links to get started using the *Storage Gateway Service API Reference*:

- **Storage Gateway required request headers:** Describes the required headers that you must send with every POST request to Storage Gateway.

- **Signing requests:** Storage Gateway requires that you authenticate every request you send; this topic describes how sign such a request.
- **Error responses:** Provides reference information about Storage Gateway errors.
- **Operations in Storage Gateway:** Contains detailed descriptions of all Storage Gateway operations, their request parameters, response elements, possible errors, and examples of requests and responses.
- **Storage Gateway endpoints and quotas:** Provides a list of each Amazon Web Services Region and the endpoints available for use with Storage Gateway.

Storage Gateway resource IDs are in uppercase. When you use these resource IDs with the Amazon EC2 API, EC2 expects resource IDs in lowercase. You must change your resource ID to lowercase to use it with the EC2 API. For example, in Storage Gateway the ID for a volume might be `vol-AA22BB012345DAF670`. When you use this ID with the EC2 API, you must change it to `vol-aa22bb012345daf670`. Otherwise, the EC2 API might not behave as expected.

IDs for Storage Gateway volumes and Amazon EBS snapshots created from gateway volumes are changing to a longer format. Starting in December 2016, all new volumes and snapshots will be created with a 17-character string. Starting in April 2016, you will be able to use these longer IDs so you can test your systems with the new format. For more information, see [Longer EC2 and EBS resource IDs](#).

For example, a volume Amazon Resource Name (ARN) with the longer volume ID format looks like the following:

```
arn:aws:storagegateway:us-west-2:111122223333:gateway/sgw-12A3456B/volume/vol-1122AABCCDDEEFFG.
```

A snapshot ID with the longer ID format looks like the following: `snap-78e226633445566ee`.

For more information, see [Announcement: Heads-up – Longer Storage Gateway volume and snapshot IDs coming in 2016](#).

## Usage

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

## Arguments

- |                     |  |
|---------------------|--|
| <code>config</code> | Optional configuration of credentials, endpoint, and/or region. <ul style="list-style-type: none"> <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 <- storagegateway(
  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_gateway</a>	Activates the gateway you previously deployed on your host
<a href="#">add_cache</a>	Configures one or more gateway local disks as cache for a gateway
<a href="#">add_tags_to_resource</a>	Adds one or more tags to the specified resource
<a href="#">add_upload_buffer</a>	Configures one or more gateway local disks as upload buffer for a specified gateway
<a href="#">add_working_storage</a>	Configures one or more gateway local disks as working storage for a gateway
<a href="#">assign_tape_pool</a>	Assigns a tape to a tape pool for archiving
<a href="#">associate_file_system</a>	Associate an Amazon FSx file system with the FSx File Gateway
<a href="#">attach_volume</a>	Connects a volume to an iSCSI connection and then attaches the volume to the gateway
<a href="#">cancel_archival</a>	Cancel archiving of a virtual tape to the virtual tape shelf (VTS) after the archiving process has started
<a href="#">cancel_retrieval</a>	Cancel retrieval of a virtual tape from the virtual tape shelf (VTS) to a gateway
<a href="#">create_cachedi_scsi_volume</a>	Creates a cached volume on a specified gateway
<a href="#">create_nfs_file_share</a>	Creates a Network File System (NFS) file share on an existing S3 File Gateway
<a href="#">create_smb_file_share</a>	Creates a Server Message Block (SMB) file share on an existing S3 File Gateway
<a href="#">create_snapshot</a>	Initiates a snapshot of a volume
<a href="#">create_snapshot_from_volume_recovery_point</a>	Initiates a snapshot of a gateway from a volume recovery point
<a href="#">create_storedi_scsi_volume</a>	Creates a volume on a specified gateway
<a href="#">create_tape_pool</a>	Creates a new custom tape pool
<a href="#">create_tapes</a>	Creates one or more virtual tapes
<a href="#">create_tape_with_barcode</a>	Creates a virtual tape by using your own barcode
<a href="#">delete_automatic_tape_creation_policy</a>	Deletes the automatic tape creation policy of a gateway
<a href="#">delete_bandwidth_rate_limit</a>	Deletes the bandwidth rate limits of a gateway
<a href="#">delete_chap_credentials</a>	Deletes Challenge-Handshake Authentication Protocol (CHAP) credentials for a gateway
<a href="#">delete_file_share</a>	Deletes a file share from an S3 File Gateway
<a href="#">delete_gateway</a>	Deletes a gateway
<a href="#">delete_snapshot_schedule</a>	Deletes a snapshot of a volume
<a href="#">delete_tape</a>	Deletes the specified virtual tape
<a href="#">delete_tape_archive</a>	Deletes the specified virtual tape from the virtual tape shelf (VTS)
<a href="#">delete_tape_pool</a>	Delete a custom tape pool
<a href="#">delete_volume</a>	Deletes the specified storage volume that you previously created using the gateway
<a href="#">describe_availability_monitor_test</a>	Returns information about the most recent high availability monitoring test for a gateway
<a href="#">describe_bandwidth_rate_limit</a>	Returns the bandwidth rate limits of a gateway
<a href="#">describe_bandwidth_rate_limit_schedule</a>	Returns information about the bandwidth rate limit schedule of a gateway

<a href="#">describe_cache</a>	Returns information about the cache of a gateway
<a href="#">describe_cachedi_scsi_volumes</a>	Returns a description of the gateway volumes specified in the request
<a href="#">describe_chap_credentials</a>	Returns an array of Challenge-Handshake Authentication Protocol (CHAP) credentials
<a href="#">describe_file_system_associations</a>	Gets the file system association information
<a href="#">describe_gateway_information</a>	Returns metadata about a gateway such as its name, network interfaces, configuration, and status
<a href="#">describe_maintenance_start_time</a>	Returns your gateway's weekly maintenance start time including the day and time
<a href="#">describe_nfs_file_shares</a>	Gets a description for one or more Network File System (NFS) file shares from a gateway
<a href="#">describe_smb_file_shares</a>	Gets a description for one or more Server Message Block (SMB) file shares from a gateway
<a href="#">describe_smb_settings</a>	Gets a description of a Server Message Block (SMB) file share settings from a gateway
<a href="#">describe_snapshot_schedule</a>	Describes the snapshot schedule for the specified gateway volume
<a href="#">describe_storedi_scsi_volumes</a>	Returns the description of the gateway volumes specified in the request
<a href="#">describe_tape_archives</a>	Returns a description of specified virtual tapes in the virtual tape shelf (VTS)
<a href="#">describe_tape_recovery_points</a>	Returns a list of virtual tape recovery points that are available for the specified gateway volume
<a href="#">describe_tapes</a>	Returns a description of the specified Amazon Resource Name (ARN) of virtual tapes
<a href="#">describe_upload_buffer</a>	Returns information about the upload buffer of a gateway
<a href="#">describe_vtl_devices</a>	Returns a description of virtual tape library (VTL) devices for the specified gateway
<a href="#">describe_working_storage</a>	Returns information about the working storage of a gateway
<a href="#">detach_volume</a>	Disconnects a volume from an iSCSI connection and then detaches the volume from the gateway
<a href="#">disable_gateway</a>	Disables a tape gateway when the gateway is no longer functioning
<a href="#">disassociate_file_system</a>	Disassociates an Amazon FSx file system from the specified gateway
<a href="#">join_domain</a>	Adds a file gateway to an Active Directory domain
<a href="#">list_automatic_tape_creation_policies</a>	Lists the automatic tape creation policies for a gateway
<a href="#">list_file_shares</a>	Gets a list of the file shares for a specific S3 File Gateway, or the list of file shares for all S3 File Gateways
<a href="#">list_file_system_associations</a>	Gets a list of FileSystemAssociationSummary objects
<a href="#">list_gateways</a>	Lists gateways owned by an Amazon Web Services account in an Amazon Virtual Private Cloud (VPC)
<a href="#">list_local_disks</a>	Returns a list of the gateway's local disks
<a href="#">list_tags_for_resource</a>	Lists the tags that have been added to the specified resource
<a href="#">list_tape_pools</a>	Lists custom tape pools
<a href="#">list_tapes</a>	Lists virtual tapes in your virtual tape library (VTL) and your virtual tape shelf (VTS)
<a href="#">list_volume_initiators</a>	Lists iSCSI initiators that are connected to a volume
<a href="#">list_volume_recovery_points</a>	Lists the recovery points for a specified gateway
<a href="#">list_volumes</a>	Lists the iSCSI stored volumes of a gateway
<a href="#">notify_when_uploaded</a>	Sends you notification through CloudWatch Events when all files written to a gateway are uploaded
<a href="#">refresh_cache</a>	Refreshes the cached inventory of objects for the specified file share
<a href="#">remove_tags_from_resource</a>	Removes one or more tags from the specified resource
<a href="#">reset_cache</a>	Resets all cache disks that have encountered an error and makes the disks available
<a href="#">retrieve_tape_archive</a>	Retrieves an archived virtual tape from the virtual tape shelf (VTS) to a tape gateway
<a href="#">retrieve_tape_recovery_point</a>	Retrieves the recovery point for the specified virtual tape
<a href="#">set_local_console_password</a>	Sets the password for your VM local console
<a href="#">set_smb_guest_password</a>	Sets the password for the guest user smbguest
<a href="#">shutdown_gateway</a>	Shuts down a gateway
<a href="#">start_availability_monitor_test</a>	Start a test that verifies that the specified gateway is configured for High Availability
<a href="#">start_gateway</a>	Starts a gateway that you previously shut down (see ShutdownGateway)
<a href="#">update_automatic_tape_creation_policy</a>	Updates the automatic tape creation policy of a gateway
<a href="#">update_bandwidth_rate_limit</a>	Updates the bandwidth rate limits of a gateway
<a href="#">update_bandwidth_rate_limit_schedule</a>	Updates the bandwidth rate limit schedule for a specified gateway
<a href="#">update_chap_credentials</a>	Updates the Challenge-Handshake Authentication Protocol (CHAP) credentials
<a href="#">update_file_system_association</a>	Updates a file system association

<a href="#">update_gateway_information</a>	Updates a gateway's metadata, which includes the gateway's name and time
<a href="#">update_gateway_software_now</a>	Updates the gateway virtual machine (VM) software
<a href="#">update_maintenance_start_time</a>	Updates a gateway's weekly maintenance start time information, including d
<a href="#">update_nfs_file_share</a>	Updates a Network File System (NFS) file share
<a href="#">update_smb_file_share</a>	Updates a Server Message Block (SMB) file share
<a href="#">update_smb_file_share_visibility</a>	Controls whether the shares on an S3 File Gateway are visible in a net view
<a href="#">update_smb_local_groups</a>	Updates the list of Active Directory users and groups that have special perm
<a href="#">update_smb_security_strategy</a>	Updates the SMB security strategy on a file gateway
<a href="#">update_snapshot_schedule</a>	Updates a snapshot schedule configured for a gateway volume
<a href="#">update_vtl_device_type</a>	Updates the type of medium changer in a tape gateway

## Examples

```
## Not run:
svc <- storagegateway()
# Activates the gateway you previously deployed on your host.
svc$activate_gateway(
  ActivationKey = "29AV1-30FV9-VVIUB-NKT0I-LR06V",
  GatewayName = "My_Gateway",
  GatewayRegion = "us-east-1",
  GatewayTimezone = "GMT-12:00",
  GatewayType = "STORED",
  MediumChangerType = "AWS-Gateway-VTL",
  TapeDriveType = "IBM-ULT3580-TD5"
)

## End(Not run)
```

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