

Package ‘paws.storage’

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Title 'Amazon Web Services' Storage Services

Version 0.8.0

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

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

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'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' 'omics_service.R' 'omics_interfaces.R'
'omics_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'
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| | |
|--------|-------------------|
| backup | <i>AWS Backup</i> |
|--------|-------------------|

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

Value

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

Service syntax

```
svc <- 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

| | |
|--|--|
| cancel_legal_hold | Removes the specified legal hold on a recovery point |
| create_backup_plan | Creates a backup plan using a backup plan name and backup rules |
| create_backup_selection | Creates a JSON document that specifies a set of resources to assign to a backup plan |
| create_backup_vault | Creates a logical container where backups are stored |
| create_framework | Creates a framework with one or more controls |
| create_legal_hold | Creates a legal hold on a recovery point (backup) |
| create_logically_air_gapped_backup_vault | Creates a logical container to where backups may be copied |
| create_report_plan | Creates a report plan |
| create_restore_testing_plan | Creates a restore testing plan |
| create_restore_testing_selection | This request can be sent after CreateRestoreTestingPlan request returns successfully |
| delete_backup_plan | Deletes a backup plan |
| delete_backup_selection | Deletes the resource selection associated with a backup plan that is specified by a backup plan name |
| delete_backup_vault | Deletes the backup vault identified by its name |
| delete_backup_vault_access_policy | Deletes the policy document that manages permissions on a backup vault |
| delete_backup_vault_lock_configuration | Deletes Backup Vault Lock from a backup vault specified by a backup vault name |
| delete_backup_vault_notifications | Deletes event notifications for the specified backup vault |
| delete_framework | Deletes the framework specified by a framework name |
| delete_recovery_point | Deletes the recovery point specified by a recovery point ID |
| delete_report_plan | Deletes the report plan specified by a report plan name |
| delete_restore_testing_plan | This request deletes the specified restore testing plan |

| | |
|---|---|
| <code>delete_restore_testing_selection</code> | Input the Restore Testing Plan name and Restore Testing Selection name |
| <code>describe_backup_job</code> | Returns backup job details for the specified BackupJobId |
| <code>describe_backup_vault</code> | Returns metadata about a backup vault specified by its name |
| <code>describe_copy_job</code> | Returns metadata associated with creating a copy of a resource |
| <code>describe_framework</code> | Returns the framework details for the specified FrameworkName |
| <code>describe_global_settings</code> | Describes whether the Amazon Web Services account is opted in to cross-account |
| <code>describe_protected_resource</code> | Returns information about a saved resource, including the last time it was backed |
| <code>describe_recovery_point</code> | Returns metadata associated with a recovery point, including ID, status, encrypti |
| <code>describe_region_settings</code> | Returns the current service opt-in settings for the Region |
| <code>describe_report_job</code> | Returns the details associated with creating a report as specified by its ReportJob |
| <code>describe_report_plan</code> | Returns a list of all report plans for an Amazon Web Services account and Amaz |
| <code>describe_restore_job</code> | Returns metadata associated with a restore job that is specified by a job ID |
| <code>disassociate_recovery_point</code> | Deletes the specified continuous backup recovery point from Backup and releas |
| <code>disassociate_recovery_point_from_parent</code> | This action to a specific child (nested) recovery point removes the relationship b |
| <code>export_backup_plan_template</code> | Returns the backup plan that is specified by the plan ID as a backup template |
| <code>get_backup_plan</code> | Returns BackupPlan details for the specified BackupPlanId |
| <code>get_backup_plan_from_json</code> | Returns a valid JSON document specifying a backup plan or an error |
| <code>get_backup_plan_from_template</code> | Returns the template specified by its templateId as a backup plan |
| <code>get_backup_selection</code> | Returns selection metadata and a document in JSON format that specifies a list o |
| <code>get_backup_vault_access_policy</code> | Returns the access policy document that is associated with the named backup va |
| <code>get_backup_vault_notifications</code> | Returns event notifications for the specified backup vault |
| <code>get_legal_hold</code> | This action returns details for a specified legal hold |
| <code>get_recovery_point_index_details</code> | This operation returns the metadata and details specific to the backup index asso |
| <code>get_recovery_point_restore_metadata</code> | Returns a set of metadata key-value pairs that were used to create the backup |
| <code>get_restore_job_metadata</code> | This request returns the metadata for the specified restore job |
| <code>get_restore_testing_inferred_metadata</code> | This request returns the minimal required set of metadata needed to start a restor |
| <code>get_restore_testing_plan</code> | Returns RestoreTestingPlan details for the specified RestoreTestingPlanName |
| <code>get_restore_testing_selection</code> | Returns RestoreTestingSelection, which displays resources and elements of the r |
| <code>get_supported_resource_types</code> | Returns the Amazon Web Services resource types supported by Backup |
| <code>list_backup_jobs</code> | Returns a list of existing backup jobs for an authenticated account for the last 30 |
| <code>list_backup_job_summaries</code> | This is a request for a summary of backup jobs created or running within the mo |
| <code>list_backup_plans</code> | Lists the active backup plans for the account |
| <code>list_backup_plan_templates</code> | Lists the backup plan templates |
| <code>list_backup_plan_versions</code> | Returns version metadata of your backup plans, including Amazon Resource Na |
| <code>list_backup_selections</code> | Returns an array containing metadata of the resources associated with the target |
| <code>list_backup_vaults</code> | Returns a list of recovery point storage containers along with information about |
| <code>list_copy_jobs</code> | Returns metadata about your copy jobs |
| <code>list_copy_job_summaries</code> | This request obtains a list of copy jobs created or running within the the most rec |
| <code>list_frameworks</code> | Returns a list of all frameworks for an Amazon Web Services account and Amaz |
| <code>list_indexed_recovery_points</code> | This operation returns a list of recovery points that have an associated index, bel |
| <code>list_legal_holds</code> | This action returns metadata about active and previous legal holds |
| <code>list_protected_resources</code> | Returns an array of resources successfully backed up by Backup, including the ti |
| <code>list_protected_resources_by_backup_vault</code> | This request lists the protected resources corresponding to each backup vault |
| <code>list_recovery_points_by_backup_vault</code> | Returns detailed information about the recovery points stored in a backup vault |
| <code>list_recovery_points_by_legal_hold</code> | This action returns recovery point ARNs (Amazon Resource Names) of the spec |
| <code>list_recovery_points_by_resource</code> | The information about the recovery points of the type specified by a resource AR |
| <code>list_report_jobs</code> | Returns details about your report jobs |
| <code>list_report_plans</code> | Returns a list of your report plans |

| | |
|--|---|
| <code>list_restore_jobs</code> | Returns a list of jobs that Backup initiated to restore a saved resource, including |
| <code>list_restore_jobs_by_protected_resource</code> | This returns restore jobs that contain the specified protected resource |
| <code>list_restore_job_summaries</code> | This request obtains a summary of restore jobs created or running within the the |
| <code>list_restore_testing_plans</code> | Returns a list of restore testing plans |
| <code>list_restore_testing_selections</code> | Returns a list of restore testing selections |
| <code>list_tags</code> | Returns the tags assigned to the resource, such as a target recovery point, backup |
| <code>put_backup_vault_access_policy</code> | Sets a resource-based policy that is used to manage access permissions on the tar |
| <code>put_backup_vault_lock_configuration</code> | Applies Backup Vault Lock to a backup vault, preventing attempts to delete any |
| <code>put_backup_vault_notifications</code> | Turns on notifications on a backup vault for the specified topic and events |
| <code>put_restore_validation_result</code> | This request allows you to send your independent self-run restore test validation |
| <code>start_backup_job</code> | Starts an on-demand backup job for the specified resource |
| <code>start_copy_job</code> | Starts a job to create a one-time copy of the specified resource |
| <code>start_report_job</code> | Starts an on-demand report job for the specified report plan |
| <code>start_restore_job</code> | Recovers the saved resource identified by an Amazon Resource Name (ARN) |
| <code>stop_backup_job</code> | Attempts to cancel a job to create a one-time backup of a resource |
| <code>tag_resource</code> | Assigns a set of key-value pairs to a recovery point, backup plan, or backup vault |
| <code>untag_resource</code> | Removes a set of key-value pairs from a recovery point, backup plan, or backup |
| <code>update_backup_plan</code> | Updates the specified backup plan |
| <code>update_framework</code> | Updates the specified framework |
| <code>update_global_settings</code> | Updates whether the Amazon Web Services account is opted in to cross-account |
| <code>update_recovery_point_index_settings</code> | This operation updates the settings of a recovery point index |
| <code>update_recovery_point_lifecycle</code> | Sets the transition lifecycle of a recovery point |
| <code>update_region_settings</code> | Updates the current service opt-in settings for the Region |
| <code>update_report_plan</code> | Updates the specified report plan |
| <code>update_restore_testing_plan</code> | This request will send changes to your specified restore testing plan |
| <code>update_restore_testing_selection</code> | Updates the specified restore testing selection |

Examples

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

Value

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

Service syntax

```

svc <- 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

| | |
|---|---|
| create_lifecycle_policy | Creates an Amazon Data Lifecycle Manager lifecycle policy |
| delete_lifecycle_policy | Deletes the specified lifecycle policy and halts the automated operations that the policy specified |
| get_lifecycle_policies | Gets summary information about all or the specified data lifecycle policies |
| get_lifecycle_policy | Gets detailed information about the specified lifecycle policy |
| list_tags_for_resource | Lists the tags for the specified resource |
| tag_resource | Adds the specified tags to the specified resource |
| untag_resource | Removes the specified tags from the specified resource |
| update_lifecycle_policy | 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"> – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to <code>true</code> to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html |
| credentials | Optional credentials shorthand for the config parameter <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials. |
| endpoint | Optional shorthand for complete URL to use for the constructed client. |
| region | Optional shorthand for AWS Region used in instantiating the client. |

Value

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

Service syntax

```
svc <- 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

| | |
|--------------------------------------|--|
| complete_snapshot | Seals and completes the snapshot after all of the required blocks of data have been written to it |
| get_snapshot_block | Returns the data in a block in an Amazon Elastic Block Store snapshot |
| list_changed_blocks | Returns information about the blocks that are different between two Amazon Elastic Block Store snapshots |
| list_snapshot_blocks | Returns information about the blocks in an Amazon Elastic Block Store snapshot |
| put_snapshot_block | Writes a block of data to a snapshot |
| start_snapshot | 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 | <p>Optional configuration of credentials, endpoint, and/or region.</p> <ul style="list-style-type: none"> • credentials: <ul style="list-style-type: none"> – creds: <ul style="list-style-type: none"> * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html |
| credentials | <p>Optional credentials shorthand for the config parameter</p> <ul style="list-style-type: none"> • creds: <ul style="list-style-type: none"> – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials. |
| endpoint | Optional shorthand for complete URL to use for the constructed client. |
| region | Optional shorthand for AWS Region used in instantiating the client. |

Value

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

Service syntax

```

svc <- 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

| | |
|--|--|
| create_access_point | Creates an EFS access point |
| create_file_system | Creates a new, empty file system |
| create_mount_target | Creates a mount target for a file system |
| create_replication_configuration | Creates a replication configuration to either a new or existing EFS file system |
| create_tags | DEPRECATED - CreateTags is deprecated and not maintained |
| delete_access_point | Deletes the specified access point |
| delete_file_system | Deletes a file system, permanently severing access to its contents |
| delete_file_system_policy | Deletes the FileSystemPolicy for the specified file system |
| delete_mount_target | Deletes the specified mount target |
| delete_replication_configuration | Deletes a replication configuration |
| delete_tags | DEPRECATED - DeleteTags is deprecated and not maintained |
| describe_access_points | Returns the description of a specific Amazon EFS access point if the AccessPointID |
| describe_account_preferences | Returns the account preferences settings for the Amazon Web Services account ass |

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

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

Value

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

Service syntax

```

svc <- 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

| | |
|---|--|
| associate_user_to_permission_group | Adds a user to a permission group to grant permissions for actions a user can perform |
| create_changeset | Creates a new Changeset in a FinSpace Dataset |
| create_dataset | Creates a new FinSpace Dataset |
| create_data_view | Creates a Dataview for a Dataset |
| create_permission_group | Creates a group of permissions for various actions that a user can perform in FinSpace |
| create_user | Creates a new user in FinSpace |
| delete_dataset | Deletes a FinSpace Dataset |
| delete_permission_group | Deletes a permission group |
| disable_user | Denies access to the FinSpace web application and API for the specified user |
| disassociate_user_from_permission_group | Removes a user from a permission group |
| enable_user | Allows the specified user to access the FinSpace web application and API |
| get_changeset | Get information about a Changeset |
| get_dataset | Returns information about a Dataset |

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

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

Value

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

Service syntax

```
svc <- 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

| | |
|--|---|
| associate_file_system_aliases | Use this action to associate one or more Domain Name Server (DNS) aliases with an Amazon FSx for Lustre file system. |
| cancel_data_repository_task | Cancels an existing Amazon FSx for Lustre data repository task if that task is in either the <code>PENDING</code> or <code>STARTING</code> state. |
| copy_backup | Copies an existing backup within the same Amazon Web Services account to another Amazon FSx for Windows File Server file system. |
| copy_snapshot_and_update_volume | Updates an existing volume by using a snapshot from another Amazon FSx for OpenZFS file system. |
| create_backup | Creates a backup of an existing Amazon FSx for Windows File Server file system, Amazon FSx for Lustre file system, or Amazon FSx for OpenZFS file system. |
| create_data_repository_association | Creates an Amazon FSx for Lustre data repository association (DRA). |
| create_data_repository_task | Creates an Amazon FSx for Lustre data repository task. |
| create_file_cache | Creates a new Amazon File Cache resource. |
| create_file_system | Creates a new, empty Amazon FSx file system. |
| create_file_system_from_backup | Creates a new Amazon FSx for Lustre, Amazon FSx for Windows File Server, or Amazon FSx for OpenZFS file system from a backup. |
| create_snapshot | Creates a snapshot of an existing Amazon FSx for OpenZFS volume. |
| create_storage_virtual_machine | Creates a storage virtual machine (SVM) for an Amazon FSx for ONTAP file system. |
| create_volume | Creates an FSx for ONTAP or Amazon FSx for OpenZFS storage volume. |
| create_volume_from_backup | Creates a new Amazon FSx for NetApp ONTAP volume from an existing Amazon FSx for ONTAP volume. |
| delete_backup | Deletes an Amazon FSx backup. |
| delete_data_repository_association | Deletes a data repository association on an Amazon FSx for Lustre file system. |
| delete_file_cache | Deletes an Amazon File Cache resource. |
| delete_file_system | Deletes a file system. |
| delete_snapshot | Deletes an Amazon FSx for OpenZFS snapshot. |
| delete_storage_virtual_machine | Deletes an existing Amazon FSx for ONTAP storage virtual machine (SVM). |

| | |
|---|--|
| delete_volume | Deletes an Amazon FSx for NetApp ONTAP or Amazon FSx for OpenZFS volume |
| describe_backups | Returns the description of a specific Amazon FSx backup, if a BackupIds value is provided |
| describe_data_repository_associations | Returns the description of specific Amazon FSx for Lustre or Amazon File Cache data repository associations |
| describe_data_repository_tasks | Returns the description of specific Amazon FSx for Lustre or Amazon File Cache data repository tasks |
| describe_file_caches | Returns the description of a specific Amazon File Cache resource, if a FileCacheIds value is provided |
| describe_file_system_aliases | Returns the DNS aliases that are associated with the specified Amazon FSx for Windows File System file system |
| describe_file_systems | Returns the description of specific Amazon FSx file systems, if a FileSystemIds value is provided |
| describe_shared_vpc_configuration | Indicates whether participant accounts in your organization can create Amazon FSx for Windows File System file systems |
| describe_snapshots | Returns the description of specific Amazon FSx for OpenZFS snapshots, if a SnapshotIds value is provided |
| describe_storage_virtual_machines | Describes one or more Amazon FSx for NetApp ONTAP storage virtual machines (SVMs) |
| describe_volumes | Describes one or more Amazon FSx for NetApp ONTAP or Amazon FSx for OpenZFS volumes |
| disassociate_file_system_aliases | Use this action to disassociate, or remove, one or more Domain Name Service (DNS) aliases from a file system |
| list_tags_for_resource | Lists tags for Amazon FSx resources |
| release_file_system_nfs_v3_locks | Releases the file system lock from an Amazon FSx for OpenZFS file system |
| restore_volume_from_snapshot | Returns an Amazon FSx for OpenZFS volume to the state saved by the specified snapshot |
| start_misconfigured_state_recovery | After performing steps to repair the Active Directory configuration of an FSx for Windows File System file system, this action starts the recovery process |
| tag_resource | Tags an Amazon FSx resource |
| untag_resource | This action removes a tag from an Amazon FSx resource |
| update_data_repository_association | Updates the configuration of an existing data repository association on an Amazon FSx for OpenZFS file system |
| update_file_cache | Updates the configuration of an existing Amazon File Cache resource |
| update_file_system | Use this operation to update the configuration of an existing Amazon FSx file system |
| update_shared_vpc_configuration | Configures whether participant accounts in your organization can create Amazon FSx for Windows File System file systems |
| update_snapshot | Updates the name of an Amazon FSx for OpenZFS snapshot |
| update_storage_virtual_machine | Updates an FSx for ONTAP storage virtual machine (SVM) |
| update_volume | 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)
```

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.

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

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

Value

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

Service syntax

```
svc <- 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 InProgress state to the Locked 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 |
| delete_vault_access_policy | This operation deletes the access policy associated with the specified vault |
| delete_vault_notifications | This operation deletes the notification configuration set for a vault |
| describe_job | This operation returns information about a job you previously initiated, including the job information, the job output, and the job status |
| describe_vault | This operation returns information about a vault, including the vault's Amazon Resource Name (ARN), the vault's name, the vault's creation date, and the vault's status |
| get_data_retrieval_policy | This operation returns the current data retrieval policy for the account and region specified in the request |
| get_job_output | This operation downloads the output of the job you initiated using InitiateJob |
| get_vault_access_policy | This operation retrieves the access-policy subresource set on the vault; for more information, see Access Policies |
| get_vault_lock | This operation retrieves the following attributes from the lock-policy subresource set on the vault: the vault lock name, the vault lock status, and the vault lock creation date |
| get_vault_notifications | This operation retrieves the notification-configuration subresource of the specified vault |
| initiate_job | This operation initiates a job of the specified type, which can be a select, an archival retrieval, or a multipart upload |
| initiate_multipart_upload | This operation initiates a multipart upload |
| initiate_vault_lock | This operation initiates the vault locking process by doing the following: <ul style="list-style-type: none"> 1. Initiates a vault lock 2. Initiates a job to upload the vault lock |
| list_jobs | This operation lists jobs for a vault, including jobs that are in-progress and jobs that have reached their final state |
| list_multipart_uploads | This operation lists in-progress multipart uploads for the specified vault |
| list_parts | This operation lists the parts of an archive that have been uploaded in a specific multipart upload |
| list_provisioned_capacity | This operation lists the provisioned capacity units for the specified AWS account |
| list_tags_for_vault | This operation lists all the tags attached to a vault |
| list_vaults | This operation lists all vaults owned by the calling user's account |
| purchase_provisioned_capacity | This operation purchases a provisioned capacity unit for an AWS account |
| remove_tags_from_vault | This operation removes one or more tags from the set of tags attached to a vault |
| set_data_retrieval_policy | This operation sets and then enacts a data retrieval policy in the region specified in the PUT request |
| set_vault_access_policy | This operation configures an access policy for a vault and will overwrite an existing policy |
| set_vault_notifications | This operation configures notifications that will be sent when specific events happen to a vault |
| upload_archive | This operation adds an archive to a vault |
| upload_multipart_part | 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-OssZtLq...",
  vaultName = "my-vault"
)

## End(Not run)
```

omics

Amazon Omics

Description

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

Usage

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

Arguments

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

- **credentials:**

- **creds:**

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

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

- **anonymous:** Set anonymous credentials.

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

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

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

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

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

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

`credentials` Optional credentials shorthand for the config parameter

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

Value

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

Service syntax

```
svc <- omics(
  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_read_set_upload | Stops a multipart upload |
| accept_share | Accept a resource share request |
| batch_delete_read_set | Deletes one or more read sets |
| cancel_annotation_import_job | Cancels an annotation import job |
| cancel_run | Cancels a run |
| cancel_variant_import_job | Cancels a variant import job |
| complete_multipart_read_set_upload | Concludes a multipart upload once you have uploaded all the components |
| create_annotation_store | Creates an annotation store |
| create_annotation_store_version | Creates a new version of an annotation store |
| create_multipart_read_set_upload | Begins a multipart read set upload |
| create_reference_store | Creates a reference store |
| create_run_cache | You can create a run cache to save the task outputs from completed tasks in a run for a |
| create_run_group | You can optionally create a run group to limit the compute resources for the runs that |
| create_sequence_store | Creates a sequence store |
| create_share | Creates a cross-account shared resource |
| create_variant_store | Creates a variant store |
| create_workflow | Creates a workflow |
| delete_annotation_store | Deletes an annotation store |
| delete_annotation_store_versions | Deletes one or multiple versions of an annotation store |
| delete_reference | Deletes a genome reference |
| delete_reference_store | Deletes a genome reference store |
| delete_run | Deletes a workflow run |
| delete_run_cache | Delete a run cache |
| delete_run_group | Deletes a workflow run group |
| delete_s3_access_policy | Deletes an access policy for the specified store |
| delete_sequence_store | Deletes a sequence store |
| delete_share | Deletes a resource share |
| delete_variant_store | Deletes a variant store |
| delete_workflow | Deletes a workflow |
| get_annotation_import_job | Gets information about an annotation import job |
| get_annotation_store | Gets information about an annotation store |
| get_annotation_store_version | Retrieves the metadata for an annotation store version |
| get_read_set | Gets a file from a read set |
| get_read_set_activation_job | Gets information about a read set activation job |
| get_read_set_export_job | Gets information about a read set export job |
| get_read_set_import_job | Gets information about a read set import job |
| get_read_set_metadata | Gets details about a read set |
| get_reference | Gets a reference file |
| get_reference_import_job | Gets information about a reference import job |
| get_reference_metadata | Gets information about a genome reference's metadata |
| get_reference_store | Gets information about a reference store |
| get_run | Gets information about a workflow run |
| get_run_cache | Retrieve the details for the specified run cache |
| get_run_group | Gets information about a workflow run group |
| get_run_task | Gets information about a workflow run task |
| get_s3_access_policy | Retrieves details about an access policy on a given store |

| | |
|--|---|
| <code>get_sequence_store</code> | Gets information about a sequence store |
| <code>get_share</code> | Retrieves the metadata for the specified resource share |
| <code>get_variant_import_job</code> | Gets information about a variant import job |
| <code>get_variant_store</code> | Gets information about a variant store |
| <code>get_workflow</code> | Gets information about a workflow |
| <code>list_annotation_import_jobs</code> | Retrieves a list of annotation import jobs |
| <code>list_annotation_stores</code> | Retrieves a list of annotation stores |
| <code>list_annotation_store_versions</code> | Lists the versions of an annotation store |
| <code>list_multipart_read_set_uploads</code> | Lists multipart read set uploads and for in progress uploads |
| <code>list_read_set_activation_jobs</code> | Retrieves a list of read set activation jobs |
| <code>list_read_set_export_jobs</code> | Retrieves a list of read set export jobs |
| <code>list_read_set_import_jobs</code> | Retrieves a list of read set import jobs |
| <code>list_read_sets</code> | Retrieves a list of read sets |
| <code>list_read_set_upload_parts</code> | This operation will list all parts in a requested multipart upload for a sequence store |
| <code>list_reference_import_jobs</code> | Retrieves a list of reference import jobs |
| <code>list_references</code> | Retrieves a list of references |
| <code>list_reference_stores</code> | Retrieves a list of reference stores |
| <code>list_run_caches</code> | Retrieves a list of your run caches |
| <code>list_run_groups</code> | Retrieves a list of run groups |
| <code>list_runs</code> | Retrieves a list of runs |
| <code>list_run_tasks</code> | Retrieves a list of tasks for a run |
| <code>list_sequence_stores</code> | Retrieves a list of sequence stores |
| <code>list_shares</code> | Retrieves the resource shares associated with an account |
| <code>list_tags_for_resource</code> | Retrieves a list of tags for a resource |
| <code>list_variant_import_jobs</code> | Retrieves a list of variant import jobs |
| <code>list_variant_stores</code> | Retrieves a list of variant stores |
| <code>list_workflows</code> | Retrieves a list of workflows |
| <code>put_s3_access_policy</code> | Adds an access policy to the specified store |
| <code>start_annotation_import_job</code> | Starts an annotation import job |
| <code>start_read_set_activation_job</code> | Activates an archived read set |
| <code>start_read_set_export_job</code> | Exports a read set to Amazon S3 |
| <code>start_read_set_import_job</code> | Starts a read set import job |
| <code>start_reference_import_job</code> | Starts a reference import job |
| <code>start_run</code> | Starts a workflow run |
| <code>start_variant_import_job</code> | Starts a variant import job |
| <code>tag_resource</code> | Tags a resource |
| <code>untag_resource</code> | Removes tags from a resource |
| <code>update_annotation_store</code> | Updates an annotation store |
| <code>update_annotation_store_version</code> | Updates the description of an annotation store version |
| <code>update_run_cache</code> | Update a run cache |
| <code>update_run_group</code> | Updates a run group |
| <code>update_sequence_store</code> | Update one or more parameters for the sequence store |
| <code>update_variant_store</code> | Updates a variant store |
| <code>update_workflow</code> | Updates a workflow |
| <code>upload_read_set_part</code> | This operation uploads a specific part of a read set |

Examples

```
## Not run:
svc <- omics()
svc$abort_multipart_read_set_upload(
  Foo = 123
)

## End(Not run)
```

 recyclebin

Amazon Recycle Bin

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

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

Value

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

Service syntax

```
svc <- 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

| | |
|--|---|
| create_rule | Creates a Recycle Bin retention rule |
| delete_rule | Deletes a Recycle Bin retention rule |
| get_rule | Gets information about a Recycle Bin retention rule |
| list_rules | Lists the Recycle Bin retention rules in the Region |
| list_tags_for_resource | Lists the tags assigned to a retention rule |
| lock_rule | Locks a Region-level retention rule |
| tag_resource | Assigns tags to the specified retention rule |
| unlock_rule | Unlocks a retention rule |
| untag_resource | Unassigns a tag from a retention rule |
| update_rule | Updates an existing Recycle Bin retention rule |

Examples

```

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

## End(Not run)

```

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

`credentials` Optional credentials shorthand for the config parameter

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

`endpoint` Optional shorthand for complete URL to use for the constructed client.

`region` Optional shorthand for AWS Region used in instantiating the client.

Value

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

Service syntax

```

svc <- 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[abort_multipart_upload](#)

This operation aborts a multipart upload

[complete_multipart_upload](#)

Completes a multipart upload by assembling previously uploaded parts

[copy_object](#)

Creates a copy of an object that is already stored in Amazon S3

[create_bucket](#)

This action creates an Amazon S3 bucket

[create_bucket_metadata_table_configuration](#)

Creates a metadata table configuration for a general purpose bucket

[create_multipart_upload](#)

This action initiates a multipart upload and returns an upload ID

[create_session](#)

Creates a session that establishes temporary security credentials to support f

[delete_bucket](#)

Deletes the S3 bucket

[delete_bucket_analytics_configuration](#)

This operation is not supported for directory buckets

[delete_bucket_cors](#)

This operation is not supported for directory buckets

[delete_bucket_encryption](#)

This implementation of the DELETE action resets the default encryption fo

[delete_bucket_intelligent_tiering_configuration](#)

This operation is not supported for directory buckets

[delete_bucket_inventory_configuration](#)

This operation is not supported for directory buckets

delete_bucket_lifecycle
 delete_bucket_metadata_table_configuration
 delete_bucket_metrics_configuration
 delete_bucket_ownership_controls
 delete_bucket_policy
 delete_bucket_replication
 delete_bucket_tagging
 delete_bucket_website
 delete_object
 delete_objects
 delete_object_tagging
 delete_public_access_block
 download_file
 generate_presigned_url
 get_bucket_accelerate_configuration
 get_bucket_acl
 get_bucket_analytics_configuration
 get_bucket_cors
 get_bucket_encryption
 get_bucket_intelligent_tiering_configuration
 get_bucket_inventory_configuration
 get_bucket_lifecycle
 get_bucket_lifecycle_configuration
 get_bucket_location
 get_bucket_logging
 get_bucket_metadata_table_configuration
 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

Deletes the lifecycle configuration from the specified bucket
 Deletes a metadata table configuration from a general purpose bucket
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 Deletes the policy of a specified bucket
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 Removes an object from a bucket
 This operation enables you to delete multiple objects from a bucket using a
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 Download a file from S3 and store it at a specified file location
 @title Generate a presigned url given a client, its method, and arguments
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 Returns the default encryption configuration for an Amazon S3 bucket
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 For an updated version of this API, see GetBucketLifecycleConfiguration
 Returns the lifecycle configuration information set on the bucket
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 Retrieves the metadata table configuration for a general purpose bucket
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 Returns the policy of a specified bucket
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 Retrieves an object from Amazon S3
 This operation is not supported for directory buckets
 Retrieves all the metadata from an object without returning the object itself
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 This operation is not supported for directory buckets
 You can use this operation to determine if a bucket exists and if you have pe
 The HEAD operation retrieves metadata from an object without returning th

| | |
|---|--|
| <code>list_bucket_analytics_configurations</code> | This operation is not supported for directory buckets |
| <code>list_bucket_intelligent_tiering_configurations</code> | This operation is not supported for directory buckets |
| <code>list_bucket_inventory_configurations</code> | This operation is not supported for directory buckets |
| <code>list_bucket_metrics_configurations</code> | This operation is not supported for directory buckets |
| <code>list_buckets</code> | This operation is not supported for directory buckets |
| <code>list_directory_buckets</code> | Returns a list of all Amazon S3 directory buckets owned by the authenticated user |
| <code>list_multipart_uploads</code> | This operation lists in-progress multipart uploads in a bucket |
| <code>list_objects</code> | This operation is not supported for directory buckets |
| <code>list_objects_v2</code> | Returns some or all (up to 1,000) of the objects in a bucket with each request |
| <code>list_object_versions</code> | This operation is not supported for directory buckets |
| <code>list_parts</code> | Lists the parts that have been uploaded for a specific multipart upload |
| <code>put_bucket_accelerate_configuration</code> | This operation is not supported for directory buckets |
| <code>put_bucket_acl</code> | This operation is not supported for directory buckets |
| <code>put_bucket_analytics_configuration</code> | This operation is not supported for directory buckets |
| <code>put_bucket_cors</code> | This operation is not supported for directory buckets |
| <code>put_bucket_encryption</code> | This operation configures default encryption and Amazon S3 Bucket Keys for a bucket |
| <code>put_bucket_intelligent_tiering_configuration</code> | This operation is not supported for directory buckets |
| <code>put_bucket_inventory_configuration</code> | This operation is not supported for directory buckets |
| <code>put_bucket_lifecycle</code> | This operation is not supported for directory buckets |
| <code>put_bucket_lifecycle_configuration</code> | Creates a new lifecycle configuration for the bucket or replaces an existing lifecycle configuration |
| <code>put_bucket_logging</code> | This operation is not supported for directory buckets |
| <code>put_bucket_metrics_configuration</code> | This operation is not supported for directory buckets |
| <code>put_bucket_notification</code> | This operation is not supported for directory buckets |
| <code>put_bucket_notification_configuration</code> | This operation is not supported for directory buckets |
| <code>put_bucket_ownership_controls</code> | This operation is not supported for directory buckets |
| <code>put_bucket_policy</code> | Applies an Amazon S3 bucket policy to an Amazon S3 bucket |
| <code>put_bucket_replication</code> | This operation is not supported for directory buckets |
| <code>put_bucket_request_payment</code> | This operation is not supported for directory buckets |
| <code>put_bucket_tagging</code> | This operation is not supported for directory buckets |
| <code>put_bucket_versioning</code> | This operation is not supported for directory buckets |
| <code>put_bucket_website</code> | This operation is not supported for directory buckets |
| <code>put_object</code> | Adds an object to a bucket |
| <code>put_object_acl</code> | This operation is not supported for directory buckets |
| <code>put_object_legal_hold</code> | This operation is not supported for directory buckets |
| <code>put_object_lock_configuration</code> | This operation is not supported for directory buckets |
| <code>put_object_retention</code> | This operation is not supported for directory buckets |
| <code>put_object_tagging</code> | This operation is not supported for directory buckets |
| <code>put_public_access_block</code> | This operation is not supported for directory buckets |
| <code>restore_object</code> | This operation is not supported for directory buckets |
| <code>select_object_content</code> | This operation is not supported for directory buckets |
| <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> | This operation is not supported for directory buckets |

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.

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

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

Value

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

Service syntax

```
svc <- 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

| | |
|--|--|
| associate_access_grants_identity_center | Associate your S3 Access Grants instance with an Amazon Web Service IAM Identity Center instance |
| create_access_grant | Creates an access grant that gives a grantee access to your S3 data |
| create_access_grants_instance | Creates an S3 Access Grants instance, which serves as a logical grouping of S3 data |
| create_access_grants_location | The S3 data location that you would like to register in your S3 Access Grants instance |
| create_access_point | This operation is not supported by directory buckets |
| create_access_point_for_object_lambda | This operation is not supported by directory buckets |
| create_bucket | This action creates an Amazon S3 on Outposts bucket |
| create_job | This operation creates an S3 Batch Operations job |
| create_multi_region_access_point | This operation is not supported by directory buckets |
| create_storage_lens_group | Creates a new S3 Storage Lens group and associates it with the specified S3 Access Grants instance |
| delete_access_grant | Deletes the access grant from the S3 Access Grants instance |
| delete_access_grants_instance | Deletes your S3 Access Grants instance |
| delete_access_grants_instance_resource_policy | Deletes the resource policy of the S3 Access Grants instance |
| delete_access_grants_location | Deregisters a location from your S3 Access Grants instance |
| delete_access_point | This operation is not supported by directory buckets |
| delete_access_point_for_object_lambda | This operation is not supported by directory buckets |
| delete_access_point_policy | This operation is not supported by directory buckets |
| delete_access_point_policy_for_object_lambda | This operation is not supported by directory buckets |
| delete_bucket | This action deletes an Amazon S3 on Outposts bucket |
| delete_bucket_lifecycle_configuration | This action deletes an Amazon S3 on Outposts bucket's lifecycle configuration |
| delete_bucket_policy | This action deletes an Amazon S3 on Outposts bucket policy |
| delete_bucket_replication | This operation deletes an Amazon S3 on Outposts bucket's replication configuration |
| delete_bucket_tagging | This action deletes an Amazon S3 on Outposts bucket's tags |
| delete_job_tagging | Removes the entire tag set from the specified S3 Batch Operations job |
| delete_multi_region_access_point | This operation is not supported by directory buckets |
| delete_public_access_block | This operation is not supported by directory buckets |
| delete_storage_lens_configuration | This operation is not supported by directory buckets |
| delete_storage_lens_configuration_tagging | This operation is not supported by directory buckets |
| delete_storage_lens_group | Deletes an existing S3 Storage Lens group |
| describe_job | Retrieves the configuration parameters and status for a Batch Operation |
| describe_multi_region_access_point_operation | This operation is not supported by directory buckets |
| dissociate_access_grants_identity_center | Dissociates the Amazon Web Services IAM Identity Center instance from your S3 Access Grants instance |
| get_access_grant | Get the details of an access grant from your S3 Access Grants instance |
| get_access_grants_instance | Retrieves the S3 Access Grants instance for a Region in your account |
| get_access_grants_instance_for_prefix | Retrieve the S3 Access Grants instance that contains a particular prefix |
| get_access_grants_instance_resource_policy | Returns the resource policy of the S3 Access Grants instance |
| get_access_grants_location | Retrieves the details of a particular location registered in your S3 Access Grants instance |
| get_access_point | This operation is not supported by directory buckets |
| get_access_point_configuration_for_object_lambda | This operation is not supported by directory buckets |
| get_access_point_for_object_lambda | This operation is not supported by directory buckets |

| | |
|---|--|
| <code>get_access_point_policy</code> | This operation is not supported by directory buckets |
| <code>get_access_point_policy_for_object_lambda</code> | This operation is not supported by directory buckets |
| <code>get_access_point_policy_status</code> | This operation is not supported by directory buckets |
| <code>get_access_point_policy_status_for_object_lambda</code> | This operation is not supported by directory buckets |
| <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_data_access</code> | Returns a temporary access credential from S3 Access Grants to the grant |
| <code>get_job_tagging</code> | Returns the tags on an S3 Batch Operations job |
| <code>get_multi_region_access_point</code> | This operation is not supported by directory buckets |
| <code>get_multi_region_access_point_policy</code> | This operation is not supported by directory buckets |
| <code>get_multi_region_access_point_policy_status</code> | This operation is not supported by directory buckets |
| <code>get_multi_region_access_point_routes</code> | This operation is not supported by directory buckets |
| <code>get_public_access_block</code> | This operation is not supported by directory buckets |
| <code>get_storage_lens_configuration</code> | This operation is not supported by directory buckets |
| <code>get_storage_lens_configuration_tagging</code> | This operation is not supported by directory buckets |
| <code>get_storage_lens_group</code> | Retrieves the Storage Lens group configuration details |
| <code>list_access_grants</code> | Returns the list of access grants in your S3 Access Grants instance |
| <code>list_access_grants_instances</code> | Returns a list of S3 Access Grants instances |
| <code>list_access_grants_locations</code> | Returns a list of the locations registered in your S3 Access Grants instance |
| <code>list_access_points</code> | This operation is not supported by directory buckets |
| <code>list_access_points_for_object_lambda</code> | This operation is not supported by directory buckets |
| <code>list_caller_access_grants</code> | Use this API to list the access grants that grant the caller access to Amazon S3 |
| <code>list_jobs</code> | Lists current S3 Batch Operations jobs as well as the jobs that have ended |
| <code>list_multi_region_access_points</code> | This operation is not supported by directory buckets |
| <code>list_regional_buckets</code> | This operation is not supported by directory buckets |
| <code>list_storage_lens_configurations</code> | This operation is not supported by directory buckets |
| <code>list_storage_lens_groups</code> | Lists all the Storage Lens groups in the specified home Region |
| <code>list_tags_for_resource</code> | This operation allows you to list all the Amazon Web Services resource tags |
| <code>put_access_grants_instance_resource_policy</code> | Updates the resource policy of the S3 Access Grants instance |
| <code>put_access_point_configuration_for_object_lambda</code> | This operation is not supported by directory buckets |
| <code>put_access_point_policy</code> | This operation is not supported by directory buckets |
| <code>put_access_point_policy_for_object_lambda</code> | This operation is not supported by directory buckets |
| <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> | This operation is not supported by directory buckets |
| <code>put_public_access_block</code> | This operation is not supported by directory buckets |
| <code>put_storage_lens_configuration</code> | This operation is not supported by directory buckets |
| <code>put_storage_lens_configuration_tagging</code> | This operation is not supported by directory buckets |
| <code>submit_multi_region_access_point_routes</code> | This operation is not supported by directory buckets |
| <code>tag_resource</code> | Creates a new Amazon Web Services resource tag or updates an existing tag |

[untag_resource](#)
[update_access_grants_location](#)
[update_job_priority](#)
[update_job_status](#)
[update_storage_lens_group](#)

This operation removes the specified Amazon Web Services resource tag.
 Updates the IAM role of a registered location in your S3 Access Grants.
 Updates an existing S3 Batch Operations job's priority.
 Updates the status for the specified job.
 Updates the existing Storage Lens group.

Examples

```

## Not run:
svc <- s3control()
svc$associate_access_grants_identity_center(
  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.

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

Value

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

Service syntax

```
svc <- 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

| | |
|---------------------------------------|---|
| create_endpoint | Creates an endpoint and associates it with the specified Outpost |
| delete_endpoint | Deletes an endpoint |
| list_endpoints | Lists endpoints associated with the specified Outpost |
| list_outposts_with_s3 | Lists the Outposts with S3 on Outposts capacity for your Amazon Web Services account |
| list_shared_endpoints | 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

Amazon FSx File Gateway is no longer available to new customers. Existing customers of FSx File Gateway can continue to use the service normally. For capabilities similar to FSx File Gateway, visit [this blog post](#).

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-1122AABBCCDDEEFFG.
```

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

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

- **credentials**:

- **creds**:

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

Value

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

Service syntax

```
svc <- 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

| | |
|--|---|
| activate_gateway | Activates the gateway you previously deployed on your host |
| add_cache | Configures one or more gateway local disks as cache for a gateway |
| add_tags_to_resource | Adds one or more tags to the specified resource |
| add_upload_buffer | Configures one or more gateway local disks as upload buffer for a specified gateway |
| add_working_storage | Configures one or more gateway local disks as working storage for a gateway |
| assign_tape_pool | Assigns a tape to a tape pool for archiving |
| associate_file_system | Associate an Amazon FSx file system with the FSx File Gateway |
| attach_volume | Connects a volume to an iSCSI connection and then attaches the volume to the gateway |
| cancel_archival | Cancels archiving of a virtual tape to the virtual tape shelf (VTS) after the archiving process has started |
| cancel_retrieval | Cancels retrieval of a virtual tape from the virtual tape shelf (VTS) to a gateway |
| create_cachedi_scsi_volume | Creates a cached volume on a specified cached volume gateway |
| create_nfs_file_share | Creates a Network File System (NFS) file share on an existing S3 File Gateway |
| create_smb_file_share | Creates a Server Message Block (SMB) file share on an existing S3 File Gateway |
| create_snapshot | Initiates a snapshot of a volume |
| create_snapshot_from_volume_recovery_point | Initiates a snapshot of a gateway from a volume recovery point |
| create_storedi_scsi_volume | Creates a volume on a specified gateway |
| create_tape_pool | Creates a new custom tape pool |
| create_tapes | Creates one or more virtual tapes |
| create_tape_with_barcode | Creates a virtual tape by using your own barcode |
| delete_automatic_tape_creation_policy | Deletes the automatic tape creation policy of a gateway |
| delete_bandwidth_rate_limit | Deletes the bandwidth rate limits of a gateway |
| delete_chap_credentials | Deletes Challenge-Handshake Authentication Protocol (CHAP) credentials from a gateway |
| delete_file_share | Deletes a file share from an S3 File Gateway |
| delete_gateway | Deletes a gateway |
| delete_snapshot_schedule | Deletes a snapshot of a volume |

| | |
|--|--|
| delete_tape | Deletes the specified virtual tape |
| delete_tape_archive | Deletes the specified virtual tape from the virtual tape shelf (VTS) |
| delete_tape_pool | Delete a custom tape pool |
| delete_volume | Deletes the specified storage volume that you previously created using the C |
| describe_availability_monitor_test | Returns information about the most recent high availability monitoring test t |
| describe_bandwidth_rate_limit | Returns the bandwidth rate limits of a gateway |
| describe_bandwidth_rate_limit_schedule | Returns information about the bandwidth rate limit schedule of a gateway |
| describe_cache | Returns information about the cache of a gateway |
| describe_cachedi_scsi_volumes | Returns a description of the gateway volumes specified in the request |
| describe_chap_credentials | Returns an array of Challenge-Handshake Authentication Protocol (CHAP) |
| describe_file_system_associations | Gets the file system association information |
| describe_gateway_information | Returns metadata about a gateway such as its name, network interfaces, time |
| describe_maintenance_start_time | Returns your gateway's maintenance window schedule information, with val |
| describe_nfs_file_shares | Gets a description for one or more Network File System (NFS) file shares fr |
| describe_smb_file_shares | Gets a description for one or more Server Message Block (SMB) file shares |
| describe_smb_settings | Gets a description of a Server Message Block (SMB) file share settings from |
| describe_snapshot_schedule | Describes the snapshot schedule for the specified gateway volume |
| describe_storedi_scsi_volumes | Returns the description of the gateway volumes specified in the request |
| describe_tape_archives | Returns a description of specified virtual tapes in the virtual tape shelf (VTS) |
| describe_tape_recovery_points | Returns a list of virtual tape recovery points that are available for the specifi |
| describe_tapes | Returns a description of virtual tapes that correspond to the specified Amazo |
| describe_upload_buffer | Returns information about the upload buffer of a gateway |
| describe_vtl_devices | Returns a description of virtual tape library (VTL) devices for the specified t |
| describe_working_storage | Returns information about the working storage of a gateway |
| detach_volume | Disconnects a volume from an iSCSI connection and then detaches the volu |
| disable_gateway | Disables a tape gateway when the gateway is no longer functioning |
| disassociate_file_system | Disassociates an Amazon FSx file system from the specified gateway |
| join_domain | Adds a file gateway to an Active Directory domain |
| list_automatic_tape_creation_policies | Lists the automatic tape creation policies for a gateway |
| list_file_shares | Gets a list of the file shares for a specific S3 File Gateway, or the list of file s |
| list_file_system_associations | Gets a list of FileSystemAssociationSummary objects |
| list_gateways | Lists gateways owned by an Amazon Web Services account in an Amazon V |
| list_local_disks | Returns a list of the gateway's local disks |
| list_tags_for_resource | Lists the tags that have been added to the specified resource |
| list_tape_pools | Lists custom tape pools |
| list_tapes | Lists virtual tapes in your virtual tape library (VTL) and your virtual tape sh |
| list_volume_initiators | Lists iSCSI initiators that are connected to a volume |
| list_volume_recovery_points | Lists the recovery points for a specified gateway |
| list_volumes | Lists the iSCSI stored volumes of a gateway |
| notify_when_uploaded | Sends you notification through CloudWatch Events when all files written to |
| refresh_cache | Refreshes the cached inventory of objects for the specified file share |
| remove_tags_from_resource | Removes one or more tags from the specified resource |
| reset_cache | Resets all cache disks that have encountered an error and makes the disks av |
| retrieve_tape_archive | Retrieves an archived virtual tape from the virtual tape shelf (VTS) to a tape |
| retrieve_tape_recovery_point | Retrieves the recovery point for the specified virtual tape |
| set_local_console_password | Sets the password for your VM local console |
| set_smb_guest_password | Sets the password for the guest user smbguest |
| shutdown_gateway | Shuts down a Tape Gateway or Volume Gateway |

| | |
|--|--|
| <code>start_availability_monitor_test</code> | Start a test that verifies that the specified gateway is configured for High Availability. |
| <code>start_gateway</code> | Starts a gateway that you previously shut down (see <code>ShutdownGateway</code>). |
| <code>update_automatic_tape_creation_policy</code> | Updates the automatic tape creation policy of a gateway. |
| <code>update_bandwidth_rate_limit</code> | Updates the bandwidth rate limits of a gateway. |
| <code>update_bandwidth_rate_limit_schedule</code> | Updates the bandwidth rate limit schedule for a specified gateway. |
| <code>update_chap_credentials</code> | Updates the Challenge-Handshake Authentication Protocol (CHAP) credentials of a gateway. |
| <code>update_file_system_association</code> | Updates a file system association. |
| <code>update_gateway_information</code> | Updates a gateway's metadata, which includes the gateway's name, time zone, and other information. |
| <code>update_gateway_software_now</code> | Updates the gateway virtual machine (VM) software. |
| <code>update_maintenance_start_time</code> | Updates a gateway's maintenance window schedule, with settings for month, day, and time. |
| <code>update_nfs_file_share</code> | Updates a Network File System (NFS) file share. |
| <code>update_smb_file_share</code> | Updates a Server Message Block (SMB) file share. |
| <code>update_smb_file_share_visibility</code> | Controls whether the shares on an S3 File Gateway are visible in a network view. |
| <code>update_smb_local_groups</code> | Updates the list of Active Directory users and groups that have special permissions. |
| <code>update_smb_security_strategy</code> | Updates the SMB security strategy level for an Amazon S3 file gateway. |
| <code>update_snapshot_schedule</code> | Updates a snapshot schedule configured for a gateway volume. |
| <code>update_vtl_device_type</code> | 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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