

# Package ‘paws.networking’

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**Title** 'Amazon Web Services' Networking & Content Delivery Services

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**Description** Interface to 'Amazon Web Services' networking and content delivery services, including 'Route 53' Domain Name System service, 'CloudFront' content delivery, load balancing, and more  
<<https://aws.amazon.com/>>.

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

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'apigatewaymanagementapi\_operations.R' 'apigatewayv2\_service.R'  
'apigatewayv2\_interfaces.R' 'apigatewayv2\_operations.R'  
'appfabric\_service.R' 'appfabric\_interfaces.R'  
'appfabric\_operations.R' 'appmesh\_service.R'  
'appmesh\_interfaces.R' 'appmesh\_operations.R'  
'arczonalshift\_service.R' 'arczonalshift\_interfaces.R'  
'arczonalshift\_operations.R' 'backupgateway\_service.R'  
'backupgateway\_interfaces.R' 'backupgateway\_operations.R'  
'cloudfront\_service.R' 'cloudfront\_interfaces.R'  
'cloudfront\_operations.R' 'cloudfrontkeyvaluestore\_service.R'  
'cloudfrontkeyvaluestore\_interfaces.R'  
'cloudfrontkeyvaluestore\_operations.R'  
'directconnect\_service.R' 'directconnect\_interfaces.R'  
'directconnect\_operations.R' 'elb\_service.R' 'elb\_interfaces.R'  
'elb\_operations.R' 'elbv2\_service.R' 'elbv2\_interfaces.R'

'elbv2\_operations.R' 'globalaccelerator\_service.R'  
 'globalaccelerator\_interfaces.R'  
 'globalaccelerator\_operations.R' 'networkfirewall\_service.R'  
 'networkfirewall\_interfaces.R' 'networkfirewall\_operations.R'  
 'networkmanager\_service.R' 'networkmanager\_interfaces.R'  
 'networkmanager\_operations.R' 'reexports\_paws.common.R'  
 'route53\_service.R' 'route53\_interfaces.R'  
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 'route53domains\_interfaces.R' 'route53domains\_operations.R'  
 'route53profiles\_service.R' 'route53profiles\_interfaces.R'  
 'route53profiles\_operations.R'  
 'route53recoverycluster\_service.R'  
 'route53recoverycluster\_interfaces.R'  
 'route53recoverycluster\_operations.R'  
 'route53recoverycontrolconfig\_service.R'  
 'route53recoverycontrolconfig\_interfaces.R'  
 'route53recoverycontrolconfig\_operations.R'  
 'route53recoveryreadiness\_service.R'  
 'route53recoveryreadiness\_interfaces.R'  
 'route53recoveryreadiness\_operations.R'  
 'route53resolver\_service.R' 'route53resolver\_interfaces.R'  
 'route53resolver\_operations.R' 'servicediscovery\_service.R'  
 'servicediscovery\_interfaces.R' 'servicediscovery\_operations.R'  
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**Author** David Kretch [aut],  
 Adam Banker [aut],  
 Dyfan Jones [cre],  
 Amazon.com, Inc. [cph]

**Maintainer** Dyfan Jones <dyfan.r.jones@gmail.com>

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apigateway	<i>Amazon API Gateway</i>
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### Description

Amazon API Gateway helps developers deliver robust, secure, and scalable mobile and web application back ends. API Gateway allows developers to securely connect mobile and web applications to APIs that run on Lambda, Amazon EC2, or other publicly addressable web services that are hosted outside of AWS.

### Usage

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

### Arguments

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

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

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

## Value

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

## Service syntax

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

```

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

```

## Operations

<a href="#">create_api_key</a>	Create an ApiKey resource
<a href="#">create_authorizer</a>	Adds a new Authorizer resource to an existing RestApi resource
<a href="#">create_base_path_mapping</a>	Creates a new BasePathMapping resource
<a href="#">create_deployment</a>	Creates a Deployment resource, which makes a specified RestApi callable over the
<a href="#">create_documentation_part</a>	Creates a documentation part
<a href="#">create_documentation_version</a>	Creates a documentation version
<a href="#">create_domain_name</a>	Creates a new domain name
<a href="#">create_domain_name_access_association</a>	Creates a domain name access association resource between an access association
<a href="#">create_model</a>	Adds a new Model resource to an existing RestApi resource
<a href="#">create_request_validator</a>	Creates a RequestValidator of a given RestApi
<a href="#">create_resource</a>	Creates a Resource resource
<a href="#">create_rest_api</a>	Creates a new RestApi resource
<a href="#">create_stage</a>	Creates a new Stage resource that references a pre-existing Deployment for the API
<a href="#">create_usage_plan</a>	Creates a usage plan with the throttle and quota limits, as well as the associated A
<a href="#">create_usage_plan_key</a>	Creates a usage plan key for adding an existing API key to a usage plan
<a href="#">create_vpc_link</a>	Creates a VPC link, under the caller's account in a selected region, in an asynchron
<a href="#">delete_api_key</a>	Deletes the ApiKey resource
<a href="#">delete_authorizer</a>	Deletes an existing Authorizer resource
<a href="#">delete_base_path_mapping</a>	Deletes the BasePathMapping resource
<a href="#">delete_client_certificate</a>	Deletes the ClientCertificate resource
<a href="#">delete_deployment</a>	Deletes a Deployment resource
<a href="#">delete_documentation_part</a>	Deletes a documentation part
<a href="#">delete_documentation_version</a>	Deletes a documentation version
<a href="#">delete_domain_name</a>	Deletes the DomainName resource
<a href="#">delete_domain_name_access_association</a>	Deletes the DomainNameAccessAssociation resource
<a href="#">delete_gateway_response</a>	Clears any customization of a GatewayResponse of a specified response type on th
<a href="#">delete_integration</a>	Represents a delete integration
<a href="#">delete_integration_response</a>	Represents a delete integration response
<a href="#">delete_method</a>	Deletes an existing Method resource

<code>delete_method_response</code>	Deletes an existing MethodResponse resource
<code>delete_model</code>	Deletes a model
<code>delete_request_validator</code>	Deletes a RequestValidator of a given RestApi
<code>delete_resource</code>	Deletes a Resource resource
<code>delete_rest_api</code>	Deletes the specified API
<code>delete_stage</code>	Deletes a Stage resource
<code>delete_usage_plan</code>	Deletes a usage plan of a given plan Id
<code>delete_usage_plan_key</code>	Deletes a usage plan key and remove the underlying API key from the associated
<code>delete_vpc_link</code>	Deletes an existing VpcLink of a specified identifier
<code>flush_stage_authorizers_cache</code>	Flushes all authorizer cache entries on a stage
<code>flush_stage_cache</code>	Flushes a stage's cache
<code>generate_client_certificate</code>	Generates a ClientCertificate resource
<code>get_account</code>	Gets information about the current Account resource
<code>get_api_key</code>	Gets information about the current ApiKey resource
<code>get_api_keys</code>	Gets information about the current ApiKeys resource
<code>get_authorizer</code>	Describe an existing Authorizer resource
<code>get_authorizers</code>	Describe an existing Authorizers resource
<code>get_base_path_mapping</code>	Describe a BasePathMapping resource
<code>get_base_path_mappings</code>	Represents a collection of BasePathMapping resources
<code>get_client_certificate</code>	Gets information about the current ClientCertificate resource
<code>get_client_certificates</code>	Gets a collection of ClientCertificate resources
<code>get_deployment</code>	Gets information about a Deployment resource
<code>get_deployments</code>	Gets information about a Deployments collection
<code>get_documentation_part</code>	Gets a documentation part
<code>get_documentation_parts</code>	Gets documentation parts
<code>get_documentation_version</code>	Gets a documentation version
<code>get_documentation_versions</code>	Gets documentation versions
<code>get_domain_name</code>	Represents a domain name that is contained in a simpler, more intuitive URL that
<code>get_domain_name_access_associations</code>	Represents a collection on DomainNameAccessAssociations resources
<code>get_domain_names</code>	Represents a collection of DomainName resources
<code>get_export</code>	Exports a deployed version of a RestApi in a specified format
<code>get_gateway_response</code>	Gets a GatewayResponse of a specified response type on the given RestApi
<code>get_gateway_responses</code>	Gets the GatewayResponses collection on the given RestApi
<code>get_integration</code>	Get the integration settings
<code>get_integration_response</code>	Represents a get integration response
<code>get_method</code>	Describe an existing Method resource
<code>get_method_response</code>	Describes a MethodResponse resource
<code>get_model</code>	Describes an existing model defined for a RestApi resource
<code>get_models</code>	Describes existing Models defined for a RestApi resource
<code>get_model_template</code>	Generates a sample mapping template that can be used to transform a payload into
<code>get_request_validator</code>	Gets a RequestValidator of a given RestApi
<code>get_request_validators</code>	Gets the RequestValidators collection of a given RestApi
<code>get_resource</code>	Lists information about a resource
<code>get_resources</code>	Lists information about a collection of Resource resources
<code>get_rest_api</code>	Lists the RestApi resource in the collection
<code>get_rest_apis</code>	Lists the RestApis resources for your collection
<code>get_sdk</code>	Generates a client SDK for a RestApi and Stage
<code>get_sdk_type</code>	Gets an SDK type

get_sdk_types	Gets SDK types
get_stage	Gets information about a Stage resource
get_stages	Gets information about one or more Stage resources
get_tags	Gets the Tags collection for a given resource
get_usage	Gets the usage data of a usage plan in a specified time interval
get_usage_plan	Gets a usage plan of a given plan identifier
get_usage_plan_key	Gets a usage plan key of a given key identifier
get_usage_plan_keys	Gets all the usage plan keys representing the API keys added to a specified usage plan
get_usage_plans	Gets all the usage plans of the caller's account
get_vpc_link	Gets a specified VPC link under the caller's account in a region
get_vpc_links	Gets the VpcLinks collection under the caller's account in a selected region
import_api_keys	Import API keys from an external source, such as a CSV-formatted file
import_documentation_parts	Imports documentation parts
import_rest_api	A feature of the API Gateway control service for creating a new API from an external source
put_gateway_response	Creates a customization of a GatewayResponse of a specified response type and status code
put_integration	Sets up a method's integration
put_integration_response	Represents a put integration
put_method	Add a method to an existing Resource resource
put_method_response	Adds a MethodResponse to an existing Method resource
put_rest_api	A feature of the API Gateway control service for updating an existing API with an external source
reject_domain_name_access_association	Rejects a domain name access association with a private custom domain name
tag_resource	Adds or updates a tag on a given resource
test_invoke_authorizer	Simulate the execution of an Authorizer in your RestApi with headers, parameters, and cookies
test_invoke_method	Simulate the invocation of a Method in your RestApi with headers, parameters, and cookies
untag_resource	Removes a tag from a given resource
update_account	Changes information about the current Account resource
update_api_key	Changes information about an ApiKey resource
update_authorizer	Updates an existing Authorizer resource
update_base_path_mapping	Changes information about the BasePathMapping resource
update_client_certificate	Changes information about an ClientCertificate resource
update_deployment	Changes information about a Deployment resource
update_documentation_part	Updates a documentation part
update_documentation_version	Updates a documentation version
update_domain_name	Changes information about the DomainName resource
update_gateway_response	Updates a GatewayResponse of a specified response type on the given RestApi
update_integration	Represents an update integration
update_integration_response	Represents an update integration response
update_method	Updates an existing Method resource
update_method_response	Updates an existing MethodResponse resource
update_model	Changes information about a model
update_request_validator	Updates a RequestValidator of a given RestApi
update_resource	Changes information about a Resource resource
update_rest_api	Changes information about the specified API
update_stage	Changes information about a Stage resource
update_usage	Grants a temporary extension to the remaining quota of a usage plan associated with the given usage plan identifier
update_usage_plan	Updates a usage plan of a given plan Id
update_vpc_link	Updates an existing VpcLink of a specified identifier

## Examples

```
## Not run:
svc <- apigateway()
svc$create_api_key(
  Foo = 123
)

## End(Not run)
```

---

apigatewaymanagementapi

*AmazonApiGatewayManagementApi*

---

## Description

The Amazon API Gateway Management API allows you to directly manage runtime aspects of your deployed APIs. To use it, you must explicitly set the SDK's endpoint to point to the endpoint of your deployed API. The endpoint will be of the form `https://{api-id}.execute-api.{region}.amazonaws.com/{stage}`, or will be the endpoint corresponding to your API's custom domain and base path, if applicable.

## Usage

```
apigatewaymanagementapi(
  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.



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

### Value

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

### Service syntax

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

```

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

```

## Operations

<a href="#">delete_connection</a>	Delete the connection with the provided id
<a href="#">get_connection</a>	Get information about the connection with the provided id
<a href="#">post_to_connection</a>	Sends the provided data to the specified connection

## Examples

```

## Not run:
svc <- apigatewaymanagementapi()
svc$delete_connection(
  Foo = 123
)

## End(Not run)

```

---

apigatewayv2

*AmazonApiGatewayV2*


---

## Description

Amazon API Gateway V2

## Usage

```

apigatewayv2(
  config = list(),
  credentials = list(),
  endpoint = NULL,
  region = NULL
)

```

## Arguments

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

## Value

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

## Service syntax

```
svc <- apigatewayv2(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
```

```

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

```

## Operations

<a href="#">create_api</a>	Creates an Api resource
<a href="#">create_api_mapping</a>	Creates an API mapping
<a href="#">create_authorizer</a>	Creates an Authorizer for an API
<a href="#">create_deployment</a>	Creates a Deployment for an API
<a href="#">create_domain_name</a>	Creates a domain name
<a href="#">create_integration</a>	Creates an Integration
<a href="#">create_integration_response</a>	Creates an IntegrationResponses
<a href="#">create_model</a>	Creates a Model for an API
<a href="#">create_route</a>	Creates a Route for an API
<a href="#">create_route_response</a>	Creates a RouteResponse for a Route
<a href="#">create_stage</a>	Creates a Stage for an API
<a href="#">create_vpc_link</a>	Creates a VPC link
<a href="#">delete_access_log_settings</a>	Deletes the AccessLogSettings for a Stage
<a href="#">delete_api</a>	Deletes an Api resource
<a href="#">delete_api_mapping</a>	Deletes an API mapping
<a href="#">delete_authorizer</a>	Deletes an Authorizer
<a href="#">delete_cors_configuration</a>	Deletes a CORS configuration
<a href="#">delete_deployment</a>	Deletes a Deployment
<a href="#">delete_domain_name</a>	Deletes a domain name
<a href="#">delete_integration</a>	Deletes an Integration

delete_integration_response	Deletes an IntegrationResponses
delete_model	Deletes a Model
delete_route	Deletes a Route
delete_route_request_parameter	Deletes a route request parameter
delete_route_response	Deletes a RouteResponse
delete_route_settings	Deletes the RouteSettings for a stage
delete_stage	Deletes a Stage
delete_vpc_link	Deletes a VPC link
export_api	Export api
get_api	Gets an Api resource
get_api_mapping	Gets an API mapping
get_api_mappings	Gets API mappings
get_apis	Gets a collection of Api resources
get_authorizer	Gets an Authorizer
get_authorizers	Gets the Authorizers for an API
get_deployment	Gets a Deployment
get_deployments	Gets the Deployments for an API
get_domain_name	Gets a domain name
get_domain_names	Gets the domain names for an AWS account
get_integration	Gets an Integration
get_integration_response	Gets an IntegrationResponses
get_integration_responses	Gets the IntegrationResponses for an Integration
get_integrations	Gets the Integrations for an API
get_model	Gets a Model
get_models	Gets the Models for an API
get_model_template	Gets a model template
get_route	Gets a Route
get_route_response	Gets a RouteResponse
get_route_responses	Gets the RouteResponses for a Route
get_routes	Gets the Routes for an API
get_stage	Gets a Stage
get_stages	Gets the Stages for an API
get_tags	Gets a collection of Tag resources
get_vpc_link	Gets a VPC link
get_vpc_links	Gets a collection of VPC links
import_api	Imports an API
reimport_api	Puts an Api resource
reset_authorizers_cache	Resets all authorizer cache entries on a stage
tag_resource	Creates a new Tag resource to represent a tag
untag_resource	Deletes a Tag
update_api	Updates an Api resource
update_api_mapping	The API mapping
update_authorizer	Updates an Authorizer
update_deployment	Updates a Deployment
update_domain_name	Updates a domain name
update_integration	Updates an Integration
update_integration_response	Updates an IntegrationResponses
update_model	Updates a Model

<a href="#">update_route</a>	Updates a Route
<a href="#">update_route_response</a>	Updates a RouteResponse
<a href="#">update_stage</a>	Updates a Stage
<a href="#">update_vpc_link</a>	Updates a VPC link

## Examples

```
## Not run:
svc <- apigatewayv2()
svc$create_api(
  Foo = 123
)

## End(Not run)
```

---

appfabric

*AppFabric*

---

## Description

Amazon Web Services AppFabric quickly connects software as a service (SaaS) applications across your organization. This allows IT and security teams to easily manage and secure applications using a standard schema, and employees can complete everyday tasks faster using generative artificial intelligence (AI). You can use these APIs to complete AppFabric tasks, such as setting up audit log ingestions or viewing user access. For more information about AppFabric, including the required permissions to use the service, see the [Amazon Web Services AppFabric Administration Guide](#). For more information about using the Command Line Interface (CLI) to manage your AppFabric resources, see the [AppFabric section of the CLI Reference](#).

## Usage

```
appfabric(
  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

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

## Value

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

## Service syntax

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

```

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

```

## Operations

<a href="#">batch_get_user_access_tasks</a>	Gets user access details in a batch request
<a href="#">connect_app_authorization</a>	Establishes a connection between Amazon Web Services AppFabric and an application, which
<a href="#">create_app_authorization</a>	Creates an app authorization within an app bundle, which allows AppFabric to connect to an a
<a href="#">create_app_bundle</a>	Creates an app bundle to collect data from an application using AppFabric
<a href="#">create_ingestion</a>	Creates a data ingestion for an application
<a href="#">create_ingestion_destination</a>	Creates an ingestion destination, which specifies how an application's ingested data is process
<a href="#">delete_app_authorization</a>	Deletes an app authorization
<a href="#">delete_app_bundle</a>	Deletes an app bundle
<a href="#">delete_ingestion</a>	Deletes an ingestion
<a href="#">delete_ingestion_destination</a>	Deletes an ingestion destination
<a href="#">get_app_authorization</a>	Returns information about an app authorization
<a href="#">get_app_bundle</a>	Returns information about an app bundle
<a href="#">get_ingestion</a>	Returns information about an ingestion
<a href="#">get_ingestion_destination</a>	Returns information about an ingestion destination
<a href="#">list_app_authorizations</a>	Returns a list of all app authorizations configured for an app bundle
<a href="#">list_app_bundles</a>	Returns a list of app bundles
<a href="#">list_ingestion_destinations</a>	Returns a list of all ingestion destinations configured for an ingestion
<a href="#">list_ingestions</a>	Returns a list of all ingestions configured for an app bundle
<a href="#">list_tags_for_resource</a>	Returns a list of tags for a resource
<a href="#">start_ingestion</a>	Starts (enables) an ingestion, which collects data from an application
<a href="#">start_user_access_tasks</a>	Starts the tasks to search user access status for a specific email address
<a href="#">stop_ingestion</a>	Stops (disables) an ingestion
<a href="#">tag_resource</a>	Assigns one or more tags (key-value pairs) to the specified resource
<a href="#">untag_resource</a>	Removes a tag or tags from a resource
<a href="#">update_app_authorization</a>	Updates an app authorization within an app bundle, which allows AppFabric to connect to an a
<a href="#">update_ingestion_destination</a>	Updates an ingestion destination, which specifies how an application's ingested data is process



## Examples

```
## Not run:
svc <- appfabric()
svc$batch_get_user_access_tasks(
  Foo = 123
)

## End(Not run)
```

---

appmesh

*AWS App Mesh*


---

## Description

App Mesh is a service mesh based on the Envoy proxy that makes it easy to monitor and control microservices. App Mesh standardizes how your microservices communicate, giving you end-to-end visibility and helping to ensure high availability for your applications.

App Mesh gives you consistent visibility and network traffic controls for every microservice in an application. You can use App Mesh with Amazon Web Services Fargate, Amazon ECS, Amazon EKS, Kubernetes on Amazon Web Services, and Amazon EC2.

App Mesh supports microservice applications that use service discovery naming for their components. For more information about service discovery on Amazon ECS, see [Service Discovery](#) in the *Amazon Elastic Container Service Developer Guide*. Kubernetes kube-dns and coredns are supported. For more information, see [DNS for Services and Pods](#) in the Kubernetes documentation.

## Usage

```
appmesh(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.

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

### Value

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

### Service syntax

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

```

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

```

## Operations

<a href="#">create_gateway_route</a>	Creates a gateway route
<a href="#">create_mesh</a>	Creates a service mesh
<a href="#">create_route</a>	Creates a route that is associated with a virtual router
<a href="#">create_virtual_gateway</a>	Creates a virtual gateway
<a href="#">create_virtual_node</a>	Creates a virtual node within a service mesh
<a href="#">create_virtual_router</a>	Creates a virtual router within a service mesh
<a href="#">create_virtual_service</a>	Creates a virtual service within a service mesh
<a href="#">delete_gateway_route</a>	Deletes an existing gateway route
<a href="#">delete_mesh</a>	Deletes an existing service mesh
<a href="#">delete_route</a>	Deletes an existing route
<a href="#">delete_virtual_gateway</a>	Deletes an existing virtual gateway
<a href="#">delete_virtual_node</a>	Deletes an existing virtual node
<a href="#">delete_virtual_router</a>	Deletes an existing virtual router
<a href="#">delete_virtual_service</a>	Deletes an existing virtual service
<a href="#">describe_gateway_route</a>	Describes an existing gateway route
<a href="#">describe_mesh</a>	Describes an existing service mesh
<a href="#">describe_route</a>	Describes an existing route
<a href="#">describe_virtual_gateway</a>	Describes an existing virtual gateway
<a href="#">describe_virtual_node</a>	Describes an existing virtual node
<a href="#">describe_virtual_router</a>	Describes an existing virtual router
<a href="#">describe_virtual_service</a>	Describes an existing virtual service
<a href="#">list_gateway_routes</a>	Returns a list of existing gateway routes that are associated to a virtual gateway
<a href="#">list_meshes</a>	Returns a list of existing service meshes
<a href="#">list_routes</a>	Returns a list of existing routes in a service mesh
<a href="#">list_tags_for_resource</a>	List the tags for an App Mesh resource
<a href="#">list_virtual_gateways</a>	Returns a list of existing virtual gateways in a service mesh
<a href="#">list_virtual_nodes</a>	Returns a list of existing virtual nodes
<a href="#">list_virtual_routers</a>	Returns a list of existing virtual routers in a service mesh
<a href="#">list_virtual_services</a>	Returns a list of existing virtual services in a service mesh
<a href="#">tag_resource</a>	Associates the specified tags to a resource with the specified resourceArn
<a href="#">untag_resource</a>	Deletes specified tags from a resource
<a href="#">update_gateway_route</a>	Updates an existing gateway route that is associated to a specified virtual gateway in a service mesh
<a href="#">update_mesh</a>	Updates an existing service mesh
<a href="#">update_route</a>	Updates an existing route for a specified service mesh and virtual router

<a href="#">update_virtual_gateway</a>	Updates an existing virtual gateway in a specified service mesh
<a href="#">update_virtual_node</a>	Updates an existing virtual node in a specified service mesh
<a href="#">update_virtual_router</a>	Updates an existing virtual router in a specified service mesh
<a href="#">update_virtual_service</a>	Updates an existing virtual service in a specified service mesh

## Examples

```
## Not run:
svc <- appmesh()
svc$create_gateway_route(
  Foo = 123
)

## End(Not run)
```

---

arczonalshift

*AWS ARC - Zonal Shift*

---

## Description

Welcome to the API Reference Guide for zonal shift and zonal autoshift in Amazon Route 53 Application Recovery Controller (Route 53 ARC).

You can start a zonal shift to move traffic for a load balancer resource away from an Availability Zone to help your application recover quickly from an impairment in an Availability Zone. For example, you can recover your application from a developer's bad code deployment or from an Amazon Web Services infrastructure failure in a single Availability Zone.

You can also configure zonal autoshift for supported load balancer resources. Zonal autoshift is a capability in Route 53 ARC where you authorize Amazon Web Services to shift away application resource traffic from an Availability Zone during events, on your behalf, to help reduce your time to recovery. Amazon Web Services starts an autoshift when internal telemetry indicates that there is an Availability Zone impairment that could potentially impact customers.

To help make sure that zonal autoshift is safe for your application, you must also configure practice runs when you enable zonal autoshift for a resource. Practice runs start weekly zonal shifts for a resource, to shift traffic for the resource away from an Availability Zone. Practice runs help you to make sure, on a regular basis, that you have enough capacity in all the Availability Zones in an Amazon Web Services Region for your application to continue to operate normally when traffic for a resource is shifted away from one Availability Zone.

Before you configure practice runs or enable zonal autoshift, we strongly recommend that you prescale your application resource capacity in all Availability Zones in the Region where your application resources are deployed. You should not rely on scaling on demand when an autoshift or practice run starts. Zonal autoshift, including practice runs, works independently, and does not wait for auto scaling actions to complete. Relying on auto scaling, instead of pre-scaling, can result in loss of availability.

If you use auto scaling to handle regular cycles of traffic, we strongly recommend that you configure the minimum capacity of your auto scaling to continue operating normally with the loss of an Availability Zone.

Be aware that Route 53 ARC does not inspect the health of individual resources. Amazon Web Services only starts an autoshift when Amazon Web Services telemetry detects that there is an Availability Zone impairment that could potentially impact customers. In some cases, resources might be shifted away that are not experiencing impact.

For more information about using zonal shift and zonal autoshift, see the [Amazon Route 53 Application Recovery Controller Developer Guide](#).

## Usage

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

## Arguments

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

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

### Value

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

### Service syntax

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

### Operations

<a href="#">cancel_zonal_shift</a>	Cancel a zonal shift in Amazon Route 53 Application Recovery Controller
<a href="#">create_practice_run_configuration</a>	A practice run configuration for zonal autoshift is required when you enable zonal autoshift
<a href="#">delete_practice_run_configuration</a>	Deletes the practice run configuration for a resource
<a href="#">get_autoshift_observer_notification_status</a>	Returns the status of autoshift observer notification
<a href="#">get_managed_resource</a>	Get information about a resource that's been registered for zonal shifts with Amazon Route 53 Application Recovery Controller
<a href="#">list_autoshifts</a>	Returns a list of autoshifts for an Amazon Web Services Region
<a href="#">list_managed_resources</a>	Lists all the resources in your Amazon Web Services account in this Amazon Web Services Region
<a href="#">list_zonal_shifts</a>	Lists all active and completed zonal shifts in Amazon Route 53 Application Recovery Controller
<a href="#">start_zonal_shift</a>	You start a zonal shift to temporarily move load balancer traffic away from an Amazon EC2 instance
<a href="#">update_autoshift_observer_notification_status</a>	Update the status of autoshift observer notification
<a href="#">update_practice_run_configuration</a>	Update a practice run configuration to change one or more of the following: a resource ID, a resource type, a resource name, or a resource tags
<a href="#">update_zonal_autoshift_configuration</a>	The zonal autoshift configuration for a resource includes the practice run configuration and the autoshift configuration
<a href="#">update_zonal_shift</a>	Update an active zonal shift in Amazon Route 53 Application Recovery Controller

## Examples

```
## Not run:
svc <- arczonalshift()
svc$cancel_zonal_shift(
  Foo = 123
)

## End(Not run)
```

---

backupgateway

*AWS Backup Gateway*

---

## Description

Backup gateway

Backup gateway connects Backup to your hypervisor, so you can create, store, and restore backups of your virtual machines (VMs) anywhere, whether on-premises or in the VMware Cloud (VMC) on Amazon Web Services.

Add on-premises resources by connecting to a hypervisor through a gateway. Backup will automatically discover the resources in your hypervisor.

Use Backup to assign virtual or on-premises resources to a backup plan, or run on-demand backups. Once you have backed up your resources, you can view them and restore them like any resource supported by Backup.

To download the Amazon Web Services software to get started, navigate to the Backup console, choose **Gateways**, then choose **Create gateway**.

**Usage**

```

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

```

**Arguments**

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

**Value**

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



**Service syntax**

```

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

```

**Operations**

<a href="#">associate_gateway_to_server</a>	Associates a backup gateway with your server
<a href="#">create_gateway</a>	Creates a backup gateway
<a href="#">delete_gateway</a>	Deletes a backup gateway
<a href="#">delete_hypervisor</a>	Deletes a hypervisor
<a href="#">disassociate_gateway_from_server</a>	Disassociates a backup gateway from the specified server
<a href="#">get_bandwidth_rate_limit_schedule</a>	Retrieves the bandwidth rate limit schedule for a specified gateway
<a href="#">get_gateway</a>	By providing the ARN (Amazon Resource Name), this API returns the gateway
<a href="#">get_hypervisor</a>	This action requests information about the specified hypervisor to which the gateway
<a href="#">get_hypervisor_property_mappings</a>	This action retrieves the property mappings for the specified hypervisor
<a href="#">get_virtual_machine</a>	By providing the ARN (Amazon Resource Name), this API returns the virtual machine
<a href="#">import_hypervisor_configuration</a>	Connect to a hypervisor by importing its configuration
<a href="#">list_gateways</a>	Lists backup gateways owned by an Amazon Web Services account in an Amazon Web
<a href="#">list_hypervisors</a>	Lists your hypervisors

<a href="#">list_tags_for_resource</a>	Lists the tags applied to the resource identified by its Amazon Resource Name (ARN)
<a href="#">list_virtual_machines</a>	Lists your virtual machines
<a href="#">put_bandwidth_rate_limit_schedule</a>	This action sets the bandwidth rate limit schedule for a specified gateway
<a href="#">put_hypervisor_property_mappings</a>	This action sets the property mappings for the specified hypervisor
<a href="#">put_maintenance_start_time</a>	Set the maintenance start time for a gateway
<a href="#">start_virtual_machines_metadata_sync</a>	This action sends a request to sync metadata across the specified virtual machines
<a href="#">tag_resource</a>	Tag the resource
<a href="#">test_hypervisor_configuration</a>	Tests your hypervisor configuration to validate that backup gateway can connect with
<a href="#">untag_resource</a>	Removes tags from the resource
<a href="#">update_gateway_information</a>	Updates a gateway's name
<a href="#">update_gateway_software_now</a>	Updates the gateway virtual machine (VM) software
<a href="#">update_hypervisor</a>	Updates a hypervisor metadata, including its host, username, and password

## Examples

```
## Not run:
svc <- backupgateway()
svc$associate_gateway_to_server(
  Foo = 123
)

## End(Not run)
```

---

cloudfront

*Amazon CloudFront*

---

## Description

This is the *Amazon CloudFront API Reference*. This guide is for developers who need detailed information about CloudFront API actions, data types, and errors. For detailed information about CloudFront features, see the [Amazon CloudFront Developer Guide](#).

## Usage

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

**Arguments**

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

**Value**

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

**Service syntax**

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

```

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

```

## Operations

<a href="#">associate_alias</a>	Associates an alias (also known as a CNAME or an alternate domain name) to a CloudFront distribution.
<a href="#">copy_distribution</a>	Creates a staging distribution using the configuration of the provided primary distribution.
<a href="#">create_anycast_ip_list</a>	Creates an Anycast static IP list.
<a href="#">create_cache_policy</a>	Creates a cache policy.
<a href="#">create_cloud_front_origin_access_identity</a>	Creates a new origin access identity.
<a href="#">create_continuous_deployment_policy</a>	Creates a continuous deployment policy that distributes traffic for a custom domain.
<a href="#">create_distribution</a>	Creates a CloudFront distribution.
<a href="#">create_distribution_with_tags</a>	Create a new distribution with tags.
<a href="#">create_field_level_encryption_config</a>	Create a new field-level encryption configuration.
<a href="#">create_field_level_encryption_profile</a>	Create a field-level encryption profile.
<a href="#">create_function</a>	Creates a CloudFront function.
<a href="#">create_invalidation</a>	Create a new invalidation.
<a href="#">create_key_group</a>	Creates a key group that you can use with CloudFront signed URLs and signed cookies.
<a href="#">create_key_value_store</a>	Specifies the key value store resource to add to your account.
<a href="#">create_monitoring_subscription</a>	Enables additional CloudWatch metrics for the specified CloudFront distribution.
<a href="#">create_origin_access_control</a>	Creates a new origin access control in CloudFront.
<a href="#">create_origin_request_policy</a>	Creates an origin request policy.
<a href="#">create_public_key</a>	Uploads a public key to CloudFront that you can use with signed URLs and signed cookies.
<a href="#">create_realtime_log_config</a>	Creates a real-time log configuration.
<a href="#">create_response_headers_policy</a>	Creates a response headers policy.

<code>create_streaming_distribution</code>	This API is deprecated
<code>create_streaming_distribution_with_tags</code>	This API is deprecated
<code>create_vpc_origin</code>	Create an Amazon CloudFront VPC origin
<code>delete_anycast_ip_list</code>	Deletes an Anycast static IP list
<code>delete_cache_policy</code>	Deletes a cache policy
<code>delete_cloud_front_origin_access_identity</code>	Delete an origin access identity
<code>delete_continuous_deployment_policy</code>	Deletes a continuous deployment policy
<code>delete_distribution</code>	Delete a distribution
<code>delete_field_level_encryption_config</code>	Remove a field-level encryption configuration
<code>delete_field_level_encryption_profile</code>	Remove a field-level encryption profile
<code>delete_function</code>	Deletes a CloudFront function
<code>delete_key_group</code>	Deletes a key group
<code>delete_key_value_store</code>	Specifies the key value store to delete
<code>delete_monitoring_subscription</code>	Disables additional CloudWatch metrics for the specified CloudFront distribution
<code>delete_origin_access_control</code>	Deletes a CloudFront origin access control
<code>delete_origin_request_policy</code>	Deletes an origin request policy
<code>delete_public_key</code>	Remove a public key you previously added to CloudFront
<code>delete_realtime_log_config</code>	Deletes a real-time log configuration
<code>delete_response_headers_policy</code>	Deletes a response headers policy
<code>delete_streaming_distribution</code>	Delete a streaming distribution
<code>delete_vpc_origin</code>	Delete an Amazon CloudFront VPC origin
<code>describe_function</code>	Gets configuration information and metadata about a CloudFront function
<code>describe_key_value_store</code>	Specifies the key value store and its configuration
<code>get_anycast_ip_list</code>	Gets an Anycast static IP list
<code>get_cache_policy</code>	Gets a cache policy, including the following metadata:
<code>get_cache_policy_config</code>	Gets a cache policy configuration
<code>get_cloud_front_origin_access_identity</code>	Get the information about an origin access identity
<code>get_cloud_front_origin_access_identity_config</code>	Get the configuration information about an origin access identity
<code>get_continuous_deployment_policy</code>	Gets a continuous deployment policy, including metadata (the policy's id)
<code>get_continuous_deployment_policy_config</code>	Gets configuration information about a continuous deployment policy
<code>get_distribution</code>	Get the information about a distribution
<code>get_distribution_config</code>	Get the configuration information about a distribution
<code>get_field_level_encryption</code>	Get the field-level encryption configuration information
<code>get_field_level_encryption_config</code>	Get the field-level encryption configuration information
<code>get_field_level_encryption_profile</code>	Get the field-level encryption profile information
<code>get_field_level_encryption_profile_config</code>	Get the field-level encryption profile configuration information
<code>get_function</code>	Gets the code of a CloudFront function
<code>get_invalidation</code>	Get the information about an invalidation
<code>get_key_group</code>	Gets a key group, including the date and time when the key group was last used
<code>get_key_group_config</code>	Gets a key group configuration
<code>get_monitoring_subscription</code>	Gets information about whether additional CloudWatch metrics are enabled
<code>get_origin_access_control</code>	Gets a CloudFront origin access control, including its unique identifier
<code>get_origin_access_control_config</code>	Gets a CloudFront origin access control configuration
<code>get_origin_request_policy</code>	Gets an origin request policy, including the following metadata:
<code>get_origin_request_policy_config</code>	Gets an origin request policy configuration
<code>get_public_key</code>	Gets a public key
<code>get_public_key_config</code>	Gets a public key configuration
<code>get_realtime_log_config</code>	Gets a real-time log configuration

<code>get_response_headers_policy</code>	Gets a response headers policy, including metadata (the policy's identifier)
<code>get_response_headers_policy_config</code>	Gets a response headers policy configuration
<code>get_streaming_distribution</code>	Gets information about a specified RTMP distribution, including the distribution ID
<code>get_streaming_distribution_config</code>	Get the configuration information about a streaming distribution
<code>get_vpc_origin</code>	Get the details of an Amazon CloudFront VPC origin
<code>list_anycast_ip_lists</code>	Lists your Anycast static IP lists
<code>list_cache_policies</code>	Gets a list of cache policies
<code>list_cloud_front_origin_access_identities</code>	Lists origin access identities
<code>list_conflicting_aliases</code>	Gets a list of aliases (also called CNAMEs or alternate domain names) that conflict with your CloudFront distributions
<code>list_continuous_deployment_policies</code>	Gets a list of the continuous deployment policies in your Amazon Web Services account
<code>list_distributions</code>	List CloudFront distributions
<code>list_distributions_by_anycast_ip_list_id</code>	Lists the distributions in your account that are associated with the specified Anycast static IP list
<code>list_distributions_by_cache_policy_id</code>	Gets a list of distribution IDs for distributions that have a cache behavior with the specified cache policy ID
<code>list_distributions_by_key_group</code>	Gets a list of distribution IDs for distributions that have a cache behavior with the specified key group
<code>list_distributions_by_origin_request_policy_id</code>	Gets a list of distribution IDs for distributions that have a cache behavior with the specified origin request policy ID
<code>list_distributions_by_realtime_log_config</code>	Gets a list of distributions that have a cache behavior that's associated with the specified real-time log configuration
<code>list_distributions_by_response_headers_policy_id</code>	Gets a list of distribution IDs for distributions that have a cache behavior with the specified response headers policy ID
<code>list_distributions_by_vpc_origin_id</code>	List CloudFront distributions by their VPC origin ID
<code>list_distributions_by_web_acl_id</code>	List the distributions that are associated with a specified WAF web ACL
<code>list_field_level_encryption_configs</code>	List all field-level encryption configurations that have been created in CloudFront
<code>list_field_level_encryption_profiles</code>	Request a list of field-level encryption profiles that have been created in CloudFront
<code>list_functions</code>	Gets a list of all CloudFront functions in your Amazon Web Services account
<code>list_invalidations</code>	Lists invalidation batches
<code>list_key_groups</code>	Gets a list of key groups
<code>list_key_value_stores</code>	Specifies the key value stores to list
<code>list_origin_access_controls</code>	Gets the list of CloudFront origin access controls (OACs) in this Amazon Web Services account
<code>list_origin_request_policies</code>	Gets a list of origin request policies
<code>list_public_keys</code>	List all public keys that have been added to CloudFront for this account
<code>list_realtime_log_configs</code>	Gets a list of real-time log configurations
<code>list_response_headers_policies</code>	Gets a list of response headers policies
<code>list_streaming_distributions</code>	List streaming distributions
<code>list_tags_for_resource</code>	List tags for a CloudFront resource
<code>list_vpc_origins</code>	List the CloudFront VPC origins in your account
<code>publish_function</code>	Publishes a CloudFront function by copying the function code from the Distro
<code>tag_resource</code>	Add tags to a CloudFront resource
<code>test_function</code>	Tests a CloudFront function
<code>untag_resource</code>	Remove tags from a CloudFront resource
<code>update_cache_policy</code>	Updates a cache policy configuration
<code>update_cloud_front_origin_access_identity</code>	Update an origin access identity
<code>update_continuous_deployment_policy</code>	Updates a continuous deployment policy
<code>update_distribution</code>	Updates the configuration for a CloudFront distribution
<code>update_distribution_with_staging_config</code>	Copies the staging distribution's configuration to its corresponding primary distribution
<code>update_field_level_encryption_config</code>	Update a field-level encryption configuration
<code>update_field_level_encryption_profile</code>	Update a field-level encryption profile
<code>update_function</code>	Updates a CloudFront function
<code>update_key_group</code>	Updates a key group
<code>update_key_value_store</code>	Specifies the key value store to update
<code>update_origin_access_control</code>	Updates a CloudFront origin access control

<a href="#">update_origin_request_policy</a>	Updates an origin request policy configuration
<a href="#">update_public_key</a>	Update public key information
<a href="#">update_realtime_log_config</a>	Updates a real-time log configuration
<a href="#">update_response_headers_policy</a>	Updates a response headers policy
<a href="#">update_streaming_distribution</a>	Update a streaming distribution
<a href="#">update_vpc_origin</a>	Update an Amazon CloudFront VPC origin in your account

## Examples

```
## Not run:
svc <- cloudfront()
svc$associate_alias(
  Foo = 123
)

## End(Not run)
```

---

cloudfrontkeyvaluestore

*Amazon CloudFront KeyValueStore*

---

## Description

Amazon CloudFront KeyValueStore Service to View and Update Data in a KVS Resource

## Usage

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

## Arguments

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

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

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

## Value

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

## Service syntax

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



```

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

```

## Operations

<a href="#">delete_key</a>	Deletes the key value pair specified by the key
<a href="#">describe_key_value_store</a>	Returns metadata information about Key Value Store
<a href="#">get_key</a>	Returns a key value pair
<a href="#">list_keys</a>	Returns a list of key value pairs
<a href="#">put_key</a>	Creates a new key value pair or replaces the value of an existing key
<a href="#">update_keys</a>	Puts or Deletes multiple key value pairs in a single, all-or-nothing operation

## Examples

```

## Not run:
svc <- cloudfrontkeyvaluestore()
svc$delete_key(
  Foo = 123
)

## End(Not run)

```

---

directconnect

*AWS Direct Connect*

---

## Description

Direct Connect links your internal network to an Direct Connect location over a standard Ethernet fiber-optic cable. One end of the cable is connected to your router, the other to an Direct Connect router. With this connection in place, you can create virtual interfaces directly to the Amazon Web Services Cloud (for example, to Amazon EC2 and Amazon S3) and to Amazon VPC, bypassing Internet service providers in your network path. A connection provides access to all Amazon Web

Services Regions except the China (Beijing) and (China) Ningxia Regions. Amazon Web Services resources in the China Regions can only be accessed through locations associated with those Regions.

## Usage

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

## Arguments

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

**Value**

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

**Service syntax**

```
svc <- directconnect(
  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**

[accept\\_direct\\_connect\\_gateway\\_association\\_proposal](#)  
[allocate\\_connection\\_on\\_interconnect](#)  
[allocate\\_hosted\\_connection](#)  
[allocate\\_private\\_virtual\\_interface](#)  
[allocate\\_public\\_virtual\\_interface](#)  
[allocate\\_transit\\_virtual\\_interface](#)  
[associate\\_connection\\_with\\_lag](#)  
[associate\\_hosted\\_connection](#)

Accepts a proposal request to attach a virtual private gateway or transit virtual gateway to a virtual private interface.  
 Deprecated  
 Creates a hosted connection on the specified interconnect or a link aggregation group.  
 Provisions a private virtual interface to be owned by the specified Amazon account.  
 Provisions a public virtual interface to be owned by the specified Amazon account.  
 Provisions a transit virtual interface to be owned by the specified Amazon account.  
 Associates an existing connection with a link aggregation group (LAG).  
 Associates a hosted connection and its virtual interfaces with a link aggregation group (LAG).

<code>associate_mac_sec_key</code>	Associates a MAC Security (MACsec) Connection Key Name (CKN) with a specified virtual interface
<code>associate_virtual_interface</code>	Associates a virtual interface with a specified link aggregation group (LAG)
<code>confirm_connection</code>	Confirms the creation of the specified hosted connection on an interconnect
<code>confirm_customer_agreement</code>	The confirmation of the terms of agreement when creating the connection
<code>confirm_private_virtual_interface</code>	Accepts ownership of a private virtual interface created by another user
<code>confirm_public_virtual_interface</code>	Accepts ownership of a public virtual interface created by another user
<code>confirm_transit_virtual_interface</code>	Accepts ownership of a transit virtual interface created by another user
<code>create_bgp_peer</code>	Creates a BGP peer on the specified virtual interface
<code>create_connection</code>	Creates a connection between a customer network and a specific Direct Connect gateway
<code>create_direct_connect_gateway</code>	Creates a Direct Connect gateway, which is an intermediate object between a customer network and a virtual interface
<code>create_direct_connect_gateway_association</code>	Creates an association between a Direct Connect gateway and a virtual interface
<code>create_direct_connect_gateway_association_proposal</code>	Creates a proposal to associate the specified virtual private gateway with a Direct Connect gateway
<code>create_interconnect</code>	Creates an interconnect between an Direct Connect Partner's network and a customer network
<code>create_lag</code>	Creates a link aggregation group (LAG) with the specified number of member virtual interfaces
<code>create_private_virtual_interface</code>	Creates a private virtual interface
<code>create_public_virtual_interface</code>	Creates a public virtual interface
<code>create_transit_virtual_interface</code>	Creates a transit virtual interface
<code>delete_bgp_peer</code>	Deletes the specified BGP peer on the specified virtual interface
<code>delete_connection</code>	Deletes the specified connection
<code>delete_direct_connect_gateway</code>	Deletes the specified Direct Connect gateway
<code>delete_direct_connect_gateway_association</code>	Deletes the association between the specified Direct Connect gateway and virtual interface
<code>delete_direct_connect_gateway_association_proposal</code>	Deletes the association proposal request between the specified Direct Connect gateway and virtual interface
<code>delete_interconnect</code>	Deletes the specified interconnect
<code>delete_lag</code>	Deletes the specified link aggregation group (LAG)
<code>delete_virtual_interface</code>	Deletes a virtual interface
<code>describe_connection_loa</code>	Deprecated
<code>describe_connections</code>	Displays the specified connection or all connections in this Region
<code>describe_connections_on_interconnect</code>	Deprecated
<code>describe_customer_metadata</code>	Get and view a list of customer agreements, along with their signed metadata
<code>describe_direct_connect_gateway_association_proposals</code>	Describes one or more association proposals for connection between a Direct Connect gateway and a virtual interface
<code>describe_direct_connect_gateway_associations</code>	Lists the associations between your Direct Connect gateways and virtual interfaces
<code>describe_direct_connect_gateway_attachments</code>	Lists the attachments between your Direct Connect gateways and virtual interfaces
<code>describe_direct_connect_gateways</code>	Lists all your Direct Connect gateways or only the specified Direct Connect gateway
<code>describe_hosted_connections</code>	Lists the hosted connections that have been provisioned on the specified Direct Connect gateway
<code>describe_interconnect_loa</code>	Deprecated
<code>describe_interconnects</code>	Lists the interconnects owned by the Amazon Web Services account
<code>describe_lags</code>	Describes all your link aggregation groups (LAG) or the specified LAG
<code>describe_loa</code>	Gets the LOA-CFA for a connection, interconnect, or link aggregation group
<code>describe_locations</code>	Lists the Direct Connect locations in the current Amazon Web Services Region
<code>describe_router_configuration</code>	Details about the router
<code>describe_tags</code>	Describes the tags associated with the specified Direct Connect resource
<code>describe_virtual_gateways</code>	Deprecated
<code>describe_virtual_interfaces</code>	Displays all virtual interfaces for an Amazon Web Services account
<code>disassociate_connection_from_lag</code>	Disassociates a connection from a link aggregation group (LAG)
<code>disassociate_mac_sec_key</code>	Removes the association between a MAC Security (MACsec) security key and a virtual interface
<code>list_virtual_interface_test_history</code>	Lists the virtual interface failover test history
<code>start_bgp_failover_test</code>	Starts the virtual interface failover test that verifies your configuration
<code>stop_bgp_failover_test</code>	Stops the virtual interface failover test

<a href="#">tag_resource</a>	Adds the specified tags to the specified Direct Connect resource
<a href="#">untag_resource</a>	Removes one or more tags from the specified Direct Connect resource
<a href="#">update_connection</a>	Updates the Direct Connect dedicated connection configuration
<a href="#">update_direct_connect_gateway</a>	Updates the name of a current Direct Connect gateway
<a href="#">update_direct_connect_gateway_association</a>	Updates the specified attributes of the Direct Connect gateway association
<a href="#">update_lag</a>	Updates the attributes of the specified link aggregation group (LAG)
<a href="#">update_virtual_interface_attributes</a>	Updates the specified attributes of the specified virtual private interface

## Examples

```
## Not run:
svc <- directconnect()
svc$accept_direct_connect_gateway_association_proposal(
  Foo = 123
)

## End(Not run)
```

---

elb

*Elastic Load Balancing*


---

## Description

A load balancer can distribute incoming traffic across your EC2 instances. This enables you to increase the availability of your application. The load balancer also monitors the health of its registered instances and ensures that it routes traffic only to healthy instances. You configure your load balancer to accept incoming traffic by specifying one or more listeners, which are configured with a protocol and port number for connections from clients to the load balancer and a protocol and port number for connections from the load balancer to the instances.

Elastic Load Balancing supports three types of load balancers: Application Load Balancers, Network Load Balancers, and Classic Load Balancers. You can select a load balancer based on your application needs. For more information, see the [Elastic Load Balancing User Guide](#).

This reference covers the 2012-06-01 API, which supports Classic Load Balancers. The 2015-12-01 API supports Application Load Balancers and Network Load Balancers.

To get started, create a load balancer with one or more listeners using [create\\_load\\_balancer](#). Register your instances with the load balancer using [register\\_instances\\_with\\_load\\_balancer](#).

All Elastic Load Balancing operations are *idempotent*, which means that they complete at most one time. If you repeat an operation, it succeeds with a 200 OK response code.

## Usage

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

## Arguments

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

## Value

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

## Service syntax

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

```

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

```

## Operations

<a href="#">add_tags</a>	Adds the specified tags to the specified load balancer
<a href="#">apply_security_groups_to_load_balancer</a>	Associates one or more security groups with your load balancer in a virtual
<a href="#">attach_load_balancer_to_subnets</a>	Adds one or more subnets to the set of configured subnets for the specified
<a href="#">configure_health_check</a>	Specifies the health check settings to use when evaluating the health state o
<a href="#">create_app_cookie_stickiness_policy</a>	Generates a stickiness policy with sticky session lifetimes that follow that o
<a href="#">create_lb_cookie_stickiness_policy</a>	Generates a stickiness policy with sticky session lifetimes controlled by the
<a href="#">create_load_balancer</a>	Creates a Classic Load Balancer
<a href="#">create_load_balancer_listeners</a>	Creates one or more listeners for the specified load balancer
<a href="#">create_load_balancer_policy</a>	Creates a policy with the specified attributes for the specified load balancer
<a href="#">delete_load_balancer</a>	Deletes the specified load balancer
<a href="#">delete_load_balancer_listeners</a>	Deletes the specified listeners from the specified load balancer
<a href="#">delete_load_balancer_policy</a>	Deletes the specified policy from the specified load balancer
<a href="#">deregister_instances_from_load_balancer</a>	Deregisters the specified instances from the specified load balancer
<a href="#">describe_account_limits</a>	Describes the current Elastic Load Balancing resource limits for your AWS
<a href="#">describe_instance_health</a>	Describes the state of the specified instances with respect to the specified lo
<a href="#">describe_load_balancer_attributes</a>	Describes the attributes for the specified load balancer
<a href="#">describe_load_balancer_policies</a>	Describes the specified policies
<a href="#">describe_load_balancer_policy_types</a>	Describes the specified load balancer policy types or all load balancer polic
<a href="#">describe_load_balancers</a>	Describes the specified the load balancers
<a href="#">describe_tags</a>	Describes the tags associated with the specified load balancers

<a href="#">detach_load_balancer_from_subnets</a>	Removes the specified subnets from the set of configured subnets for the load balancer
<a href="#">disable_availability_zones_for_load_balancer</a>	Removes the specified Availability Zones from the set of Availability Zones for the load balancer
<a href="#">enable_availability_zones_for_load_balancer</a>	Adds the specified Availability Zones to the set of Availability Zones for the load balancer
<a href="#">modify_load_balancer_attributes</a>	Modifies the attributes of the specified load balancer
<a href="#">register_instances_with_load_balancer</a>	Adds the specified instances to the specified load balancer
<a href="#">remove_tags</a>	Removes one or more tags from the specified load balancer
<a href="#">set_load_balancer_listener_ssl_certificate</a>	Sets the certificate that terminates the specified listener's SSL connections
<a href="#">set_load_balancer_policies_for_backend_server</a>	Replaces the set of policies associated with the specified port on which the load balancer listens
<a href="#">set_load_balancer_policies_of_listener</a>	Replaces the current set of policies for the specified load balancer port with the specified policies

## Examples

```
## Not run:
svc <- elb()
# This example adds two tags to the specified load balancer.
svc$add_tags(
  LoadBalancerNames = list(
    "my-load-balancer"
  ),
  Tags = list(
    list(
      Key = "project",
      Value = "lima"
    ),
    list(
      Key = "department",
      Value = "digital-media"
    )
  )
)
## End(Not run)
```

## Description

A load balancer distributes incoming traffic across targets, such as your EC2 instances. This enables you to increase the availability of your application. The load balancer also monitors the health of its registered targets and ensures that it routes traffic only to healthy targets. You configure your load balancer to accept incoming traffic by specifying one or more listeners, which are configured with a protocol and port number for connections from clients to the load balancer. You configure a target group with a protocol and port number for connections from the load balancer to the targets, and with health check settings to be used when checking the health status of the targets.



Elastic Load Balancing supports the following types of load balancers: Application Load Balancers, Network Load Balancers, Gateway Load Balancers, and Classic Load Balancers. This reference covers the following load balancer types:

- Application Load Balancer - Operates at the application layer (layer 7) and supports HTTP and HTTPS.
- Network Load Balancer - Operates at the transport layer (layer 4) and supports TCP, TLS, and UDP.
- Gateway Load Balancer - Operates at the network layer (layer 3).

For more information, see the [Elastic Load Balancing User Guide](#).

All Elastic Load Balancing operations are idempotent, which means that they complete at most one time. If you repeat an operation, it succeeds.

## Usage

```
elbv2(config = list(), credentials = list(), endpoint = NULL, region = NULL)
```

## Arguments

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

- **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 <- elbv2(
  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

[add\\_listener\\_certificates](#)  
[add\\_tags](#)  
[add\\_trust\\_store\\_revocations](#)

Adds the specified SSL server certificate to the certificate list for the specified HTTP  
 Adds the specified tags to the specified Elastic Load Balancing resource  
 Adds the specified revocation file to the specified trust store

<code>create_listener</code>	Creates a listener for the specified Application Load Balancer, Network Load Balancer, or Gateway Load Balancer
<code>create_load_balancer</code>	Creates an Application Load Balancer, Network Load Balancer, or Gateway Load Balancer
<code>create_rule</code>	Creates a rule for the specified listener
<code>create_target_group</code>	Creates a target group
<code>create_trust_store</code>	Creates a trust store
<code>delete_listener</code>	Deletes the specified listener
<code>delete_load_balancer</code>	Deletes the specified Application Load Balancer, Network Load Balancer, or Gateway Load Balancer
<code>delete_rule</code>	Deletes the specified rule
<code>delete_shared_trust_store_association</code>	Deletes a shared trust store association
<code>delete_target_group</code>	Deletes the specified target group
<code>delete_trust_store</code>	Deletes a trust store
<code>deregister_targets</code>	Deregisters the specified targets from the specified target group
<code>describe_account_limits</code>	Describes the current Elastic Load Balancing resource limits for your Amazon Web Services account
<code>describe_capacity_reservation</code>	Describes the capacity reservation status for the specified load balancer
<code>describe_listener_attributes</code>	Describes the attributes for the specified listener
<code>describe_listener_certificates</code>	Describes the default certificate and the certificate list for the specified HTTPS or TLS listener
<code>describe_listeners</code>	Describes the specified listeners or the listeners for the specified Application Load Balancer, Network Load Balancer, or Gateway Load Balancer
<code>describe_load_balancer_attributes</code>	Describes the attributes for the specified Application Load Balancer, Network Load Balancer, or Gateway Load Balancer
<code>describe_load_balancers</code>	Describes the specified load balancers or all of your load balancers
<code>describe_rules</code>	Describes the specified rules or the rules for the specified listener
<code>describe_ssl_policies</code>	Describes the specified policies or all policies used for SSL negotiation
<code>describe_tags</code>	Describes the tags for the specified Elastic Load Balancing resources
<code>describe_target_group_attributes</code>	Describes the attributes for the specified target group
<code>describe_target_groups</code>	Describes the specified target groups or all of your target groups
<code>describe_target_health</code>	Describes the health of the specified targets or all of your targets
<code>describe_trust_store_associations</code>	Describes all resources associated with the specified trust store
<code>describe_trust_store_revocations</code>	Describes the revocation files in use by the specified trust store or revocation files
<code>describe_trust_stores</code>	Describes all trust stores for the specified account
<code>get_resource_policy</code>	Retrieves the resource policy for a specified resource
<code>get_trust_store_ca_certificates_bundle</code>	Retrieves the ca certificate bundle
<code>get_trust_store_revocation_content</code>	Retrieves the specified revocation file
<code>modify_capacity_reservation</code>	Modifies the capacity reservation of the specified load balancer
<code>modify_listener</code>	Replaces the specified properties of the specified listener
<code>modify_listener_attributes</code>	Modifies the specified attributes of the specified listener
<code>modify_load_balancer_attributes</code>	Modifies the specified attributes of the specified Application Load Balancer, Network Load Balancer, or Gateway Load Balancer
<code>modify_rule</code>	Replaces the specified properties of the specified rule
<code>modify_target_group</code>	Modifies the health checks used when evaluating the health state of the targets in the specified target group
<code>modify_target_group_attributes</code>	Modifies the specified attributes of the specified target group
<code>modify_trust_store</code>	Update the ca certificate bundle for the specified trust store
<code>register_targets</code>	Registers the specified targets with the specified target group
<code>remove_listener_certificates</code>	Removes the specified certificate from the certificate list for the specified HTTPS or TLS listener
<code>remove_tags</code>	Removes the specified tags from the specified Elastic Load Balancing resources
<code>remove_trust_store_revocations</code>	Removes the specified revocation file from the specified trust store
<code>set_ip_address_type</code>	Sets the type of IP addresses used by the subnets of the specified load balancer
<code>set_rule_priorities</code>	Sets the priorities of the specified rules
<code>set_security_groups</code>	Associates the specified security groups with the specified Application Load Balancer, Network Load Balancer, or Gateway Load Balancer
<code>set_subnets</code>	Enables the Availability Zones for the specified public subnets for the specified Application Load Balancer, Network Load Balancer, or Gateway Load Balancer

## Examples

```
## Not run:
svc <- elbv2()
# This example adds the specified tags to the specified load balancer.
svc$add_tags(
  ResourceArns = list(
    "arn:aws:elasticloadbalancing:us-west-2:123456789012:loadbalancer/app/m..."
  ),
  Tags = list(
    list(
      Key = "project",
      Value = "lima"
    ),
    list(
      Key = "department",
      Value = "digital-media"
    )
  )
)
## End(Not run)
```

---

globalaccelerator      *AWS Global Accelerator*

---

## Description

Global Accelerator

This is the *Global Accelerator API Reference*. This guide is for developers who need detailed information about Global Accelerator API actions, data types, and errors. For more information about Global Accelerator features, see the [Global Accelerator Developer Guide](#).

Global Accelerator is a service in which you create *accelerators* to improve the performance of your applications for local and global users. Depending on the type of accelerator you choose, you can gain additional benefits.

- By using a standard accelerator, you can improve availability of your internet applications that are used by a global audience. With a standard accelerator, Global Accelerator directs traffic to optimal endpoints over the Amazon Web Services global network.
- For other scenarios, you might choose a custom routing accelerator. With a custom routing accelerator, you can use application logic to directly map one or more users to a specific endpoint among many endpoints.

Global Accelerator is a global service that supports endpoints in multiple Amazon Web Services Regions but you must specify the US West (Oregon) Region to create, update, or otherwise work

with accelerators. That is, for example, specify `--region us-west-2` on Amazon Web Services CLI commands.

By default, Global Accelerator provides you with static IP addresses that you associate with your accelerator. The static IP addresses are anycast from the Amazon Web Services edge network. For IPv4, Global Accelerator provides two static IPv4 addresses. For dual-stack, Global Accelerator provides a total of four addresses: two static IPv4 addresses and two static IPv6 addresses. With a standard accelerator for IPv4, instead of using the addresses that Global Accelerator provides, you can configure these entry points to be IPv4 addresses from your own IP address ranges that you bring to Global Accelerator (BYOIP).

For a standard accelerator, they distribute incoming application traffic across multiple endpoint resources in multiple Amazon Web Services Regions, which increases the availability of your applications. Endpoints for standard accelerators can be Network Load Balancers, Application Load Balancers, Amazon EC2 instances, or Elastic IP addresses that are located in one Amazon Web Services Region or multiple Amazon Web Services Regions. For custom routing accelerators, you map traffic that arrives to the static IP addresses to specific Amazon EC2 servers in endpoints that are virtual private cloud (VPC) subnets.

The static IP addresses remain assigned to your accelerator for as long as it exists, even if you disable the accelerator and it no longer accepts or routes traffic. However, when you *delete* an accelerator, you lose the static IP addresses that are assigned to it, so you can no longer route traffic by using them. You can use IAM policies like tag-based permissions with Global Accelerator to limit the users who have permissions to delete an accelerator. For more information, see [Tag-based policies](#).

For standard accelerators, Global Accelerator uses the Amazon Web Services global network to route traffic to the optimal regional endpoint based on health, client location, and policies that you configure. The service reacts instantly to changes in health or configuration to ensure that internet traffic from clients is always directed to healthy endpoints.

For more information about understanding and using Global Accelerator, see the [Global Accelerator Developer Guide](#).

## Usage

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

## Arguments

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

- **credentials:**

- **creds:**

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

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

## Value

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

## Service syntax

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

```

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

```

## Operations

<a href="#">add_custom_routing_endpoints</a>	Associate a virtual private cloud (VPC) subnet endpoint with your custom routing accelerator
<a href="#">add_endpoints</a>	Add endpoints to an endpoint group
<a href="#">advertise_byoip_cidr</a>	Advertises an IPv4 address range that is provisioned for use with your custom routing accelerator
<a href="#">allow_custom_routing_traffic</a>	Specify the Amazon EC2 instance (destination) IP addresses and ports for a custom routing accelerator
<a href="#">create_accelerator</a>	Create an accelerator
<a href="#">create_cross_account_attachment</a>	Create a cross-account attachment in Global Accelerator
<a href="#">create_custom_routing_accelerator</a>	Create a custom routing accelerator
<a href="#">create_custom_routing_endpoint_group</a>	Create an endpoint group for the specified listener for a custom routing accelerator
<a href="#">create_custom_routing_listener</a>	Create a listener to process inbound connections from clients to a custom routing accelerator
<a href="#">create_endpoint_group</a>	Create an endpoint group for the specified listener
<a href="#">create_listener</a>	Create a listener to process inbound connections from clients to an accelerator
<a href="#">delete_accelerator</a>	Delete an accelerator
<a href="#">delete_cross_account_attachment</a>	Delete a cross-account attachment
<a href="#">delete_custom_routing_accelerator</a>	Delete a custom routing accelerator
<a href="#">delete_custom_routing_endpoint_group</a>	Delete an endpoint group from a listener for a custom routing accelerator
<a href="#">delete_custom_routing_listener</a>	Delete a listener for a custom routing accelerator
<a href="#">delete_endpoint_group</a>	Delete an endpoint group from a listener
<a href="#">delete_listener</a>	Delete a listener from an accelerator
<a href="#">deny_custom_routing_traffic</a>	Specify the Amazon EC2 instance (destination) IP addresses and ports for a custom routing accelerator
<a href="#">deprovision_byoip_cidr</a>	Releases the specified address range that you provisioned to use with your custom routing accelerator
<a href="#">describe_accelerator</a>	Describe an accelerator
<a href="#">describe_accelerator_attributes</a>	Describe the attributes of an accelerator
<a href="#">describe_cross_account_attachment</a>	Gets configuration information about a cross-account attachment
<a href="#">describe_custom_routing_accelerator</a>	Describe a custom routing accelerator
<a href="#">describe_custom_routing_accelerator_attributes</a>	Describe the attributes of a custom routing accelerator
<a href="#">describe_custom_routing_endpoint_group</a>	Describe an endpoint group for a custom routing accelerator
<a href="#">describe_custom_routing_listener</a>	The description of a listener for a custom routing accelerator
<a href="#">describe_endpoint_group</a>	Describe an endpoint group
<a href="#">describe_listener</a>	Describe a listener

<a href="#">list_accelerators</a>	List the accelerators for an Amazon Web Services account
<a href="#">list_byoip_cidrs</a>	Lists the IP address ranges that were specified in calls to ProvisionByoip
<a href="#">list_cross_account_attachments</a>	List the cross-account attachments that have been created in Global Acc
<a href="#">list_cross_account_resource_accounts</a>	List the accounts that have cross-account resources
<a href="#">list_cross_account_resources</a>	List the cross-account resources available to work with
<a href="#">list_custom_routing_accelerators</a>	List the custom routing accelerators for an Amazon Web Services acco
<a href="#">list_custom_routing_endpoint_groups</a>	List the endpoint groups that are associated with a listener for a custom
<a href="#">list_custom_routing_listeners</a>	List the listeners for a custom routing accelerator
<a href="#">list_custom_routing_port_mappings</a>	Provides a complete mapping from the public accelerator IP address an
<a href="#">list_custom_routing_port_mappings_by_destination</a>	List the port mappings for a specific EC2 instance (destination) in a VP
<a href="#">list_endpoint_groups</a>	List the endpoint groups that are associated with a listener
<a href="#">list_listeners</a>	List the listeners for an accelerator
<a href="#">list_tags_for_resource</a>	List all tags for an accelerator
<a href="#">provision_byoip_cidr</a>	Provisions an IP address range to use with your Amazon Web Services
<a href="#">remove_custom_routing_endpoints</a>	Remove endpoints from a custom routing accelerator
<a href="#">remove_endpoints</a>	Remove endpoints from an endpoint group
<a href="#">tag_resource</a>	Add tags to an accelerator resource
<a href="#">untag_resource</a>	Remove tags from a Global Accelerator resource
<a href="#">update_accelerator</a>	Update an accelerator to make changes, such as the following:
<a href="#">update_accelerator_attributes</a>	Update the attributes for an accelerator
<a href="#">update_cross_account_attachment</a>	Update a cross-account attachment to add or remove principals or resou
<a href="#">update_custom_routing_accelerator</a>	Update a custom routing accelerator
<a href="#">update_custom_routing_accelerator_attributes</a>	Update the attributes for a custom routing accelerator
<a href="#">update_custom_routing_listener</a>	Update a listener for a custom routing accelerator
<a href="#">update_endpoint_group</a>	Update an endpoint group
<a href="#">update_listener</a>	Update a listener
<a href="#">withdraw_byoip_cidr</a>	Stops advertising an address range that is provisioned as an address po

## Examples

```
## Not run:
svc <- globalaccelerator()
svc$add_custom_routing_endpoints(
  Foo = 123
)

## End(Not run)
```



## Description

This is the API Reference for Network Firewall. This guide is for developers who need detailed information about the Network Firewall API actions, data types, and errors.

The REST API requires you to handle connection details, such as calculating signatures, handling request retries, and error handling. For general information about using the Amazon Web Services REST APIs, see [Amazon Web Services APIs](#).

To view the complete list of Amazon Web Services Regions where Network Firewall is available, see [Service endpoints and quotas](#) in the *Amazon Web Services General Reference*.

To access Network Firewall using the IPv4 REST API endpoint: `https://network-firewall.<region>.amazonaws.com`

To access Network Firewall using the Dualstack (IPv4 and IPv6) REST API endpoint: `https://network-firewall.<region>`

Alternatively, you can use one of the Amazon Web Services SDKs to access an API that's tailored to the programming language or platform that you're using. For more information, see [Amazon Web Services SDKs](#).

For descriptions of Network Firewall features, including and step-by-step instructions on how to use them through the Network Firewall console, see the [Network Firewall Developer Guide](#).

Network Firewall is a stateful, managed, network firewall and intrusion detection and prevention service for Amazon Virtual Private Cloud (Amazon VPC). With Network Firewall, you can filter traffic at the perimeter of your VPC. This includes filtering traffic going to and coming from an internet gateway, NAT gateway, or over VPN or Direct Connect. Network Firewall uses rules that are compatible with Suricata, a free, open source network analysis and threat detection engine.

You can use Network Firewall to monitor and protect your VPC traffic in a number of ways. The following are just a few examples:

- Allow domains or IP addresses for known Amazon Web Services service endpoints, such as Amazon S3, and block all other forms of traffic.
- Use custom lists of known bad domains to limit the types of domain names that your applications can access.
- Perform deep packet inspection on traffic entering or leaving your VPC.
- Use stateful protocol detection to filter protocols like HTTPS, regardless of the port used.

To enable Network Firewall for your VPCs, you perform steps in both Amazon VPC and in Network Firewall. For information about using Amazon VPC, see [Amazon VPC User Guide](#).

To start using Network Firewall, do the following:

1. (Optional) If you don't already have a VPC that you want to protect, create it in Amazon VPC.
2. In Amazon VPC, in each Availability Zone where you want to have a firewall endpoint, create a subnet for the sole use of Network Firewall.
3. In Network Firewall, create stateless and stateful rule groups, to define the components of the network traffic filtering behavior that you want your firewall to have.
4. In Network Firewall, create a firewall policy that uses your rule groups and specifies additional default traffic filtering behavior.
5. In Network Firewall, create a firewall and specify your new firewall policy and VPC subnets. Network Firewall creates a firewall endpoint in each subnet that you specify, with the behavior that's defined in the firewall policy.
6. In Amazon VPC, use ingress routing enhancements to route traffic through the new firewall endpoints.

**Usage**

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

**Arguments**

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

**Value**

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

**Service syntax**

```

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

```

**Operations**

<a href="#">associate_firewall_policy</a>	Associates a FirewallPolicy to a Firewall
<a href="#">associate_subnets</a>	Associates the specified subnets in the Amazon VPC to the firewall
<a href="#">create_firewall</a>	Creates an Network Firewall Firewall and accompanying FirewallStatus for a VPC
<a href="#">create_firewall_policy</a>	Creates the firewall policy for the firewall according to the specifications
<a href="#">create_rule_group</a>	Creates the specified stateless or stateful rule group, which includes the rules for the firewall
<a href="#">create_tls_inspection_configuration</a>	Creates an Network Firewall TLS inspection configuration
<a href="#">delete_firewall</a>	Deletes the specified Firewall and its FirewallStatus
<a href="#">delete_firewall_policy</a>	Deletes the specified FirewallPolicy
<a href="#">delete_resource_policy</a>	Deletes a resource policy that you created in a PutResourcePolicy request
<a href="#">delete_rule_group</a>	Deletes the specified RuleGroup
<a href="#">delete_tls_inspection_configuration</a>	Deletes the specified TLSInspectionConfiguration
<a href="#">describe_firewall</a>	Returns the data objects for the specified firewall
<a href="#">describe_firewall_policy</a>	Returns the data objects for the specified firewall policy

<code>describe_logging_configuration</code>	Returns the logging configuration for the specified firewall
<code>describe_resource_policy</code>	Retrieves a resource policy that you created in a PutResourcePolicy request
<code>describe_rule_group</code>	Returns the data objects for the specified rule group
<code>describe_rule_group_metadata</code>	High-level information about a rule group, returned by operations like create and
<code>describe_tls_inspection_configuration</code>	Returns the data objects for the specified TLS inspection configuration
<code>disassociate_subnets</code>	Removes the specified subnet associations from the firewall
<code>list_firewall_policies</code>	Retrieves the metadata for the firewall policies that you have defined
<code>list_firewalls</code>	Retrieves the metadata for the firewalls that you have defined
<code>list_rule_groups</code>	Retrieves the metadata for the rule groups that you have defined
<code>list_tags_for_resource</code>	Retrieves the tags associated with the specified resource
<code>list_tls_inspection_configurations</code>	Retrieves the metadata for the TLS inspection configurations that you have defin
<code>put_resource_policy</code>	Creates or updates an IAM policy for your rule group or firewall policy
<code>tag_resource</code>	Adds the specified tags to the specified resource
<code>untag_resource</code>	Removes the tags with the specified keys from the specified resource
<code>update_firewall_delete_protection</code>	Modifies the flag, DeleteProtection, which indicates whether it is possible to dele
<code>update_firewall_description</code>	Modifies the description for the specified firewall
<code>update_firewall_encryption_configuration</code>	A complex type that contains settings for encryption of your firewall resources
<code>update_firewall_policy</code>	Updates the properties of the specified firewall policy
<code>update_firewall_policy_change_protection</code>	Modifies the flag, ChangeProtection, which indicates whether it is possible to cha
<code>update_logging_configuration</code>	Sets the logging configuration for the specified firewall
<code>update_rule_group</code>	Updates the rule settings for the specified rule group
<code>update_subnet_change_protection</code>	Update subnet change protection
<code>update_tls_inspection_configuration</code>	Updates the TLS inspection configuration settings for the specified TLS inspecti

## Examples

```
## Not run:
svc <- networkfirewall()
svc$associate_firewall_policy(
  Foo = 123
)

## End(Not run)
```

---

networkmanager

*AWS Network Manager*

---

## Description

Amazon Web Services enables you to centrally manage your Amazon Web Services Cloud WAN core network and your Transit Gateway network across Amazon Web Services accounts, Regions, and on-premises locations.

**Usage**

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

**Arguments**

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

**Value**

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

**Service syntax**

```

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

```

**Operations**

<a href="#">accept_attachment</a>	Accepts a core network attachment request
<a href="#">associate_connect_peer</a>	Associates a core network Connect peer with a device and optionally, with a link
<a href="#">associate_customer_gateway</a>	Associates a customer gateway with a device and optionally, with a link
<a href="#">associate_link</a>	Associates a link to a device
<a href="#">associate_transit_gateway_connect_peer</a>	Associates a transit gateway Connect peer with a device, and optionally, with a link
<a href="#">create_connect_attachment</a>	Creates a core network Connect attachment from a specified core network connect peer
<a href="#">create_connection</a>	Creates a connection between two devices
<a href="#">create_connect_peer</a>	Creates a core network Connect peer for a specified core network connect peer
<a href="#">create_core_network</a>	Creates a core network as part of your global network, and optionally, with a link
<a href="#">create_device</a>	Creates a new device in a global network
<a href="#">create_direct_connect_gateway_attachment</a>	Creates an Amazon Web Services Direct Connect gateway attachment
<a href="#">create_global_network</a>	Creates a new, empty global network
<a href="#">create_link</a>	Creates a new link for a specified site

<a href="#">create_site</a>	Creates a new site in a global network
<a href="#">create_site_to_site_vpn_attachment</a>	Creates an Amazon Web Services site-to-site VPN attachment on an edge location
<a href="#">create_transit_gateway_peering</a>	Creates a transit gateway peering connection
<a href="#">create_transit_gateway_route_table_attachment</a>	Creates a transit gateway route table attachment
<a href="#">create_vpc_attachment</a>	Creates a VPC attachment on an edge location of a core network
<a href="#">delete_attachment</a>	Deletes an attachment
<a href="#">delete_connection</a>	Deletes the specified connection in your global network
<a href="#">delete_connect_peer</a>	Deletes a Connect peer
<a href="#">delete_core_network</a>	Deletes a core network along with all core network policies
<a href="#">delete_core_network_policy_version</a>	Deletes a policy version from a core network
<a href="#">delete_device</a>	Deletes an existing device
<a href="#">delete_global_network</a>	Deletes an existing global network
<a href="#">delete_link</a>	Deletes an existing link
<a href="#">delete_peering</a>	Deletes an existing peering connection
<a href="#">delete_resource_policy</a>	Deletes a resource policy for the specified resource
<a href="#">delete_site</a>	Deletes an existing site
<a href="#">deregister_transit_gateway</a>	Deregisters a transit gateway from your global network
<a href="#">describe_global_networks</a>	Describes one or more global networks
<a href="#">disassociate_connect_peer</a>	Disassociates a core network Connect peer from a device and a link
<a href="#">disassociate_customer_gateway</a>	Disassociates a customer gateway from a device and a link
<a href="#">disassociate_link</a>	Disassociates an existing device from a link
<a href="#">disassociate_transit_gateway_connect_peer</a>	Disassociates a transit gateway Connect peer from a device and link
<a href="#">execute_core_network_change_set</a>	Executes a change set on your core network
<a href="#">get_connect_attachment</a>	Returns information about a core network Connect attachment
<a href="#">get_connections</a>	Gets information about one or more of your connections in a global network
<a href="#">get_connect_peer</a>	Returns information about a core network Connect peer
<a href="#">get_connect_peer_associations</a>	Returns information about a core network Connect peer associations
<a href="#">get_core_network</a>	Returns information about the LIVE policy for a core network
<a href="#">get_core_network_change_events</a>	Returns information about a core network change event
<a href="#">get_core_network_change_set</a>	Returns a change set between the LIVE core network policy and a submitted change set
<a href="#">get_core_network_policy</a>	Returns details about a core network policy
<a href="#">get_customer_gateway_associations</a>	Gets the association information for customer gateways that are associated with a device
<a href="#">get_devices</a>	Gets information about one or more of your devices in a global network
<a href="#">get_direct_connect_gateway_attachment</a>	Returns information about a specific Amazon Web Services Direct Connect gateway attachment
<a href="#">get_link_associations</a>	Gets the link associations for a device or a link
<a href="#">get_links</a>	Gets information about one or more links in a specified global network
<a href="#">get_network_resource_counts</a>	Gets the count of network resources, by resource type, for the specified global network
<a href="#">get_network_resource_relationships</a>	Gets the network resource relationships for the specified global network
<a href="#">get_network_resources</a>	Describes the network resources for the specified global network
<a href="#">get_network_routes</a>	Gets the network routes of the specified global network
<a href="#">get_network_telemetry</a>	Gets the network telemetry of the specified global network
<a href="#">get_resource_policy</a>	Returns information about a resource policy
<a href="#">get_route_analysis</a>	Gets information about the specified route analysis
<a href="#">get_sites</a>	Gets information about one or more of your sites in a global network
<a href="#">get_site_to_site_vpn_attachment</a>	Returns information about a site-to-site VPN attachment
<a href="#">get_transit_gateway_connect_peer_associations</a>	Gets information about one or more of your transit gateway Connect peer associations
<a href="#">get_transit_gateway_peering</a>	Returns information about a transit gateway peer
<a href="#">get_transit_gateway_registrations</a>	Gets information about the transit gateway registrations in a specified global network

<code>get_transit_gateway_route_table_attachment</code>	Returns information about a transit gateway route table attachment
<code>get_vpc_attachment</code>	Returns information about a VPC attachment
<code>list_attachments</code>	Returns a list of core network attachments
<code>list_connect_peers</code>	Returns a list of core network Connect peers
<code>list_core_network_policy_versions</code>	Returns a list of core network policy versions
<code>list_core_networks</code>	Returns a list of owned and shared core networks
<code>list_organization_service_access_status</code>	Gets the status of the Service Linked Role (SLR) deployment for the account
<code>list_peerings</code>	Lists the peerings for a core network
<code>list_tags_for_resource</code>	Lists the tags for a specified resource
<code>put_core_network_policy</code>	Creates a new, immutable version of a core network policy
<code>put_resource_policy</code>	Creates or updates a resource policy
<code>register_transit_gateway</code>	Registers a transit gateway in your global network
<code>reject_attachment</code>	Rejects a core network attachment request
<code>restore_core_network_policy_version</code>	Restores a previous policy version as a new, immutable version of a core network policy
<code>start_organization_service_access_update</code>	Enables the Network Manager service for an Amazon Web Services Organization
<code>start_route_analysis</code>	Starts analyzing the routing path between the specified source and destination
<code>tag_resource</code>	Tags a specified resource
<code>untag_resource</code>	Removes tags from a specified resource
<code>update_connection</code>	Updates the information for an existing connection
<code>update_core_network</code>	Updates the description of a core network
<code>update_device</code>	Updates the details for an existing device
<code>update_direct_connect_gateway_attachment</code>	Updates the edge locations associated with an Amazon Web Services Direct Connect gateway
<code>update_global_network</code>	Updates an existing global network
<code>update_link</code>	Updates the details for an existing link
<code>update_network_resource_metadata</code>	Updates the resource metadata for the specified global network
<code>update_site</code>	Updates the information for an existing site
<code>update_vpc_attachment</code>	Updates a VPC attachment

## Examples

```
## Not run:
svc <- networkmanager()
svc$accept_attachment(
  Foo = 123
)

## End(Not run)
```



## Description

Amazon Route 53 is a highly available and scalable Domain Name System (DNS) web service.

You can use Route 53 to:

- Register domain names.  
For more information, see [How domain registration works](#).
- Route internet traffic to the resources for your domain  
For more information, see [How internet traffic is routed to your website or web application](#).
- Check the health of your resources.  
For more information, see [How Route 53 checks the health of your resources](#).

## Usage

```
route53(config = list(), credentials = list(), endpoint = NULL, region = NULL)
```

## Arguments

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

**Value**

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

**Service syntax**

```
svc <- route53(
  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\\_key\\_signing\\_key](#)  
[associate\\_vpc\\_with\\_hosted\\_zone](#)  
[change\\_cidr\\_collection](#)  
[change\\_resource\\_record\\_sets](#)  
[change\\_tags\\_for\\_resource](#)  
[create\\_cidr\\_collection](#)  
[create\\_health\\_check](#)  
[create\\_hosted\\_zone](#)

Activates a key-signing key (KSK) so that it can be used for signing by DNSSEC  
 Associates an Amazon VPC with a private hosted zone  
 Creates, changes, or deletes CIDR blocks within a collection  
 Creates, changes, or deletes a resource record set, which contains authoritative DNS records  
 Adds, edits, or deletes tags for a health check or a hosted zone  
 Creates a CIDR collection in the current Amazon Web Services account  
 Creates a new health check  
 Creates a new public or private hosted zone

<a href="#">create_key_signing_key</a>	Creates a new key-signing key (KSK) associated with a hosted zone
<a href="#">create_query_logging_config</a>	Creates a configuration for DNS query logging
<a href="#">create_reusable_delegation_set</a>	Creates a delegation set (a group of four name servers) that can be reused by multiple hosted zones
<a href="#">create_traffic_policy</a>	Creates a traffic policy, which you use to create multiple DNS resource records
<a href="#">create_traffic_policy_instance</a>	Creates resource record sets in a specified hosted zone based on the settings in a traffic policy
<a href="#">create_traffic_policy_version</a>	Creates a new version of an existing traffic policy
<a href="#">create_vpc_association_authorization</a>	Authorizes the Amazon Web Services account that created a specified VPC to create hosted zones in the VPC
<a href="#">deactivate_key_signing_key</a>	Deactivates a key-signing key (KSK) so that it will not be used for signing by Route 53
<a href="#">delete_cidr_collection</a>	Deletes a CIDR collection in the current Amazon Web Services account
<a href="#">delete_health_check</a>	Deletes a health check
<a href="#">delete_hosted_zone</a>	Deletes a hosted zone
<a href="#">delete_key_signing_key</a>	Deletes a key-signing key (KSK)
<a href="#">delete_query_logging_config</a>	Deletes a configuration for DNS query logging
<a href="#">delete_reusable_delegation_set</a>	Deletes a reusable delegation set
<a href="#">delete_traffic_policy</a>	Deletes a traffic policy
<a href="#">delete_traffic_policy_instance</a>	Deletes a traffic policy instance and all of the resource record sets that Amazon Route 53 created for the instance
<a href="#">delete_vpc_association_authorization</a>	Removes authorization to submit an AssociateVPCWithHostedZone request to Route 53
<a href="#">disable_hosted_zone_dnssec</a>	Disables DNSSEC signing in a specific hosted zone
<a href="#">disassociate_vpc_from_hosted_zone</a>	Disassociates an Amazon Virtual Private Cloud (Amazon VPC) from an Amazon Route 53 hosted zone
<a href="#">enable_hosted_zone_dnssec</a>	Enables DNSSEC signing in a specific hosted zone
<a href="#">get_account_limit</a>	Gets the specified limit for the current account, for example, the maximum number of hosted zones that you can create
<a href="#">get_change</a>	Returns the current status of a change batch request
<a href="#">get_checker_ip_ranges</a>	Route 53 does not perform authorization for this API because it retrieves information from Amazon Route 53
<a href="#">get_dnssec</a>	Returns information about DNSSEC for a specific hosted zone, including the status of DNSSEC signing
<a href="#">get_geo_location</a>	Gets information about whether a specified geographic location is supported for a hosted zone
<a href="#">get_health_check</a>	Gets information about a specified health check
<a href="#">get_health_check_count</a>	Retrieves the number of health checks that are associated with the current Amazon Web Services account
<a href="#">get_health_check_last_failure_reason</a>	Gets the reason that a specified health check failed most recently
<a href="#">get_health_check_status</a>	Gets status of a specified health check
<a href="#">get_hosted_zone</a>	Gets information about a specified hosted zone including the four name servers that are associated with the zone
<a href="#">get_hosted_zone_count</a>	Retrieves the number of hosted zones that are associated with the current Amazon Web Services account
<a href="#">get_hosted_zone_limit</a>	Gets the specified limit for a specified hosted zone, for example, the maximum number of hosted zones that you can create
<a href="#">get_query_logging_config</a>	Gets information about a specified configuration for DNS query logging
<a href="#">get_reusable_delegation_set</a>	Retrieves information about a specified reusable delegation set, including the four name servers that are associated with the set
<a href="#">get_reusable_delegation_set_limit</a>	Gets the maximum number of hosted zones that you can associate with the specified reusable delegation set
<a href="#">get_traffic_policy</a>	Gets information about a specific traffic policy version
<a href="#">get_traffic_policy_instance</a>	Gets information about a specified traffic policy instance
<a href="#">get_traffic_policy_instance_count</a>	Gets the number of traffic policy instances that are associated with the current Amazon Web Services account
<a href="#">list_cidr_blocks</a>	Returns a paginated list of location objects and their CIDR blocks
<a href="#">list_cidr_collections</a>	Returns a paginated list of CIDR collections in the Amazon Web Services account
<a href="#">list_cidr_locations</a>	Returns a paginated list of CIDR locations for the given collection (metadata about the collection)
<a href="#">list_geo_locations</a>	Retrieves a list of supported geographic locations
<a href="#">list_health_checks</a>	Retrieve a list of the health checks that are associated with the current Amazon Web Services account
<a href="#">list_hosted_zones</a>	Retrieves a list of the public and private hosted zones that are associated with the current Amazon Web Services account
<a href="#">list_hosted_zones_by_name</a>	Retrieves a list of your hosted zones in lexicographic order
<a href="#">list_hosted_zones_by_vpc</a>	Lists all the private hosted zones that a specified VPC is associated with, regardless of whether the zones are authorized to be created in the VPC
<a href="#">list_query_logging_configs</a>	Lists the configurations for DNS query logging that are associated with the current Amazon Web Services account
<a href="#">list_resource_record_sets</a>	Lists the resource record sets in a specified hosted zone

<a href="#">list_reusable_delegation_sets</a>	Retrieves a list of the reusable delegation sets that are associated with the current account
<a href="#">list_tags_for_resource</a>	Lists tags for one health check or hosted zone
<a href="#">list_tags_for_resources</a>	Lists tags for up to 10 health checks or hosted zones
<a href="#">list_traffic_policies</a>	Gets information about the latest version for every traffic policy that is associated with the current account
<a href="#">list_traffic_policy_instances</a>	Gets information about the traffic policy instances that you created by using the current account
<a href="#">list_traffic_policy_instances_by_hosted_zone</a>	Gets information about the traffic policy instances that you created in a specified hosted zone
<a href="#">list_traffic_policy_instances_by_policy</a>	Gets information about the traffic policy instances that you created by using a specified traffic policy
<a href="#">list_traffic_policy_versions</a>	Gets information about all of the versions for a specified traffic policy
<a href="#">list_vpc_association_authorizations</a>	Gets a list of the VPCs that were created by other accounts and that can be associated with the current account
<a href="#">test_dns_answer</a>	Gets the value that Amazon Route 53 returns in response to a DNS request for a specified hosted zone
<a href="#">update_health_check</a>	Updates an existing health check
<a href="#">update_hosted_zone_comment</a>	Updates the comment for a specified hosted zone
<a href="#">update_traffic_policy_comment</a>	Updates the comment for a specified traffic policy version
<a href="#">update_traffic_policy_instance</a>	After you submit a UpdateTrafficPolicyInstance request, there's a brief delay before the traffic policy is updated

## Examples

```
## Not run:
svc <- route53()
# The following example associates the VPC with ID vpc-1a2b3c4d with the
# hosted zone with ID Z3M3LMPEXAMPLE.
svc$associate_vpc_with_hosted_zone(
  Comment = "",
  HostedZoneId = "Z3M3LMPEXAMPLE",
  VPC = list(
    VPCId = "vpc-1a2b3c4d",
    VPCRegion = "us-east-2"
  )
)

## End(Not run)
```

---

route53domains

*Amazon Route 53 Domains*

---

## Description

Amazon Route 53 API actions let you register domain names and perform related operations.

## Usage

```
route53domains(
  config = list(),
  credentials = list(),
  endpoint = NULL,
  region = NULL
)
```

## Arguments

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

## Value

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

## Service syntax

```
svc <- route53domains(
  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

[accept\\_domain\\_transfer\\_from\\_another\\_aws\\_account](#)  
[associate\\_delegation\\_signer\\_to\\_domain](#)  
[cancel\\_domain\\_transfer\\_to\\_another\\_aws\\_account](#)  
[check\\_domain\\_availability](#)  
[check\\_domain\\_transferability](#)  
[delete\\_domain](#)  
[delete\\_tags\\_for\\_domain](#)  
[disable\\_domain\\_auto\\_renew](#)  
[disable\\_domain\\_transfer\\_lock](#)  
[disassociate\\_delegation\\_signer\\_from\\_domain](#)  
[enable\\_domain\\_auto\\_renew](#)  
[enable\\_domain\\_transfer\\_lock](#)  
[get\\_contact\\_reachability\\_status](#)  
[get\\_domain\\_detail](#)  
[get\\_domain\\_suggestions](#)  
[get\\_operation\\_detail](#)  
[list\\_domains](#)  
[list\\_operations](#)  
[list\\_prices](#)  
[list\\_tags\\_for\\_domain](#)

Accepts the transfer of a domain from another Amazon Web Services account.  
 Creates a delegation signer (DS) record in the registry zone for this domain.  
 Cancels the transfer of a domain from the current Amazon Web Services account.  
 This operation checks the availability of one domain name.  
 Checks whether a domain name can be transferred to Amazon Route 53.  
 This operation deletes the specified domain.  
 This operation deletes the specified tags for a domain.  
 This operation disables automatic renewal of domain registration for this domain.  
 This operation removes the transfer lock on the domain (specifically the client delete protection).  
 Deletes a delegation signer (DS) record in the registry zone for this domain.  
 This operation configures Amazon Route 53 to automatically renew the domain.  
 This operation sets the transfer lock on the domain (specifically the client delete protection).  
 For operations that require confirmation that the email address for the registrant is correct.  
 This operation returns detailed information about a specified domain.  
 The GetDomainSuggestions operation returns a list of suggested domain names.  
 This operation returns the current status of an operation that is not complete.  
 This operation returns all the domain names registered with Amazon Route 53.  
 Returns information about all of the operations that return an operation ID.  
 Lists the following prices for either all the TLDs supported by Route 53 or a specific TLD.  
 This operation returns all of the tags that are associated with the specified domain.

<a href="#">push_domain</a>	Moves a domain from Amazon Web Services to another registrar
<a href="#">register_domain</a>	This operation registers a domain
<a href="#">reject_domain_transfer_from_another_aws_account</a>	Rejects the transfer of a domain from another Amazon Web Services account
<a href="#">renew_domain</a>	This operation renews a domain for the specified number of years
<a href="#">resend_contact_reachability_email</a>	For operations that require confirmation that the email address for the domain is correct, resend the form of authorization email for this operation
<a href="#">resend_operation_authorization</a>	Resend the form of authorization email for this operation
<a href="#">retrieve_domain_auth_code</a>	This operation returns the authorization code for the domain
<a href="#">transfer_domain</a>	Transfers a domain from another registrar to Amazon Route 53
<a href="#">transfer_domain_to_another_aws_account</a>	Transfers a domain from the current Amazon Web Services account to another Amazon Web Services account
<a href="#">update_domain_contact</a>	This operation updates the contact information for a particular domain
<a href="#">update_domain_contact_privacy</a>	This operation updates the specified domain contact's privacy setting
<a href="#">update_domain_nameservers</a>	This operation replaces the current set of name servers for the domain
<a href="#">update_tags_for_domain</a>	This operation adds or updates tags for a specified domain
<a href="#">view_billing</a>	Returns all the domain-related billing records for the current Amazon Web Services account

## Examples

```
## Not run:
svc <- route53domains()
svc$accept_domain_transfer_from_another_aws_account(
  Foo = 123
)

## End(Not run)
```

---

route53profiles	<i>Route 53 Profiles</i>
-----------------	--------------------------

---

## Description

With Amazon Route 53 Profiles you can share Route 53 configurations with VPCs and AWS accounts.

## Usage

```
route53profiles(
  config = list(),
  credentials = list(),
  endpoint = NULL,
  region = NULL
)
```

## Arguments

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

## Value

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

## Service syntax

```
svc <- route53profiles(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
```



```

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

```

## Operations

<a href="#">associate_profile</a>	Associates a Route 53 Profiles profile with a VPC
<a href="#">associate_resource_to_profile</a>	Associates a DNS resource configuration to a Route 53 Profile
<a href="#">create_profile</a>	Creates an empty Route 53 Profile
<a href="#">delete_profile</a>	Deletes the specified Route 53 Profile
<a href="#">disassociate_profile</a>	Dissociates a specified Route 53 Profile from the specified VPC
<a href="#">disassociate_resource_from_profile</a>	Dissoociated a specified resource, from the Route 53 Profile
<a href="#">get_profile</a>	Returns information about a specified Route 53 Profile, such as whether whether the Profile is associated with a VPC
<a href="#">get_profile_association</a>	Retrieves a Route 53 Profile association for a VPC
<a href="#">get_profile_resource_association</a>	Returns information about a specified Route 53 Profile resource association
<a href="#">list_profile_associations</a>	Lists all the VPCs that the specified Route 53 Profile is associated with
<a href="#">list_profile_resource_associations</a>	Lists all the resource associations for the specified Route 53 Profile
<a href="#">list_profiles</a>	Lists all the Route 53 Profiles associated with your Amazon Web Services account
<a href="#">list_tags_for_resource</a>	Lists the tags that you associated with the specified resource
<a href="#">tag_resource</a>	Adds one or more tags to a specified resource
<a href="#">untag_resource</a>	Removes one or more tags from a specified resource
<a href="#">update_profile_resource_association</a>	Updates the specified Route 53 Profile resource association

## Examples

```
## Not run:
svc <- route53profiles()
svc$associate_profile(
  Foo = 123
)

## End(Not run)
```

---

route53recoverycluster

*Route53 Recovery Cluster*

---

## Description

Welcome to the Routing Control (Recovery Cluster) API Reference Guide for Amazon Route 53 Application Recovery Controller.

With Route 53 ARC, you can use routing control with extreme reliability to recover applications by rerouting traffic across Availability Zones or Amazon Web Services Regions. Routing controls are simple on/off switches hosted on a highly available cluster in Route 53 ARC. A cluster provides a set of five redundant Regional endpoints against which you can run API calls to get or update the state of routing controls. To implement failover, you set one routing control to ON and another one to OFF, to reroute traffic from one Availability Zone or Amazon Web Services Region to another.

*Be aware that you must specify a Regional endpoint for a cluster when you work with API cluster operations to get or update routing control states in Route 53 ARC.* In addition, you must specify the US West (Oregon) Region for Route 53 ARC API calls. For example, use the parameter `--region us-west-2` with AWS CLI commands. For more information, see [Get and update routing control states using the API](#) in the Amazon Route 53 Application Recovery Controller Developer Guide.

This API guide includes information about the API operations for how to get and update routing control states in Route 53 ARC. To work with routing control in Route 53 ARC, you must first create the required components (clusters, control panels, and routing controls) using the recovery cluster configuration API.

For more information about working with routing control in Route 53 ARC, see the following:

- Create clusters, control panels, and routing controls by using API operations. For more information, see the [Recovery Control Configuration API Reference Guide for Amazon Route 53 Application Recovery Controller](#).
- Learn about the components in recovery control, including clusters, routing controls, and control panels, and how to work with Route 53 ARC in the Amazon Web Services console. For more information, see [Recovery control components](#) in the Amazon Route 53 Application Recovery Controller Developer Guide.

- Route 53 ARC also provides readiness checks that continually audit resources to help make sure that your applications are scaled and ready to handle failover traffic. For more information about the related API operations, see the [Recovery Readiness API Reference Guide for Amazon Route 53 Application Recovery Controller](#).
- For more information about creating resilient applications and preparing for recovery readiness with Route 53 ARC, see the [Amazon Route 53 Application Recovery Controller Developer Guide](#).

## Usage

```
route53recoverycluster(
  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 <- route53recoverycluster(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
  ),
  endpoint = "string",
  region = "string"
)
```

### Operations

<a href="#">get_routing_control_state</a>	Get the state for a routing control
<a href="#">list_routing_controls</a>	List routing control names and Amazon Resource Names (ARNs), as well as the routing control state
<a href="#">update_routing_control_state</a>	Set the state of the routing control to reroute traffic

`update_routing_control_states` Set multiple routing control states

## Examples

```
## Not run:
svc <- route53recoverycluster()
svc$get_routing_control_state(
  Foo = 123
)

## End(Not run)
```

---

route53recoverycontrolconfig

*AWS Route53 Recovery Control Config*

---

## Description

Recovery Control Configuration API Reference for Amazon Route 53 Application Recovery Controller

## Usage

```
route53recoverycontrolconfig(
  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.

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

### Value

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

### Service syntax

```
svc <- route53recoverycontrolconfig(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
```

```

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

```

## Operations

<a href="#">create_cluster</a>	Create a new cluster
<a href="#">create_control_panel</a>	Creates a new control panel
<a href="#">create_routing_control</a>	Creates a new routing control
<a href="#">create_safety_rule</a>	Creates a safety rule in a control panel
<a href="#">delete_cluster</a>	Delete a cluster
<a href="#">delete_control_panel</a>	Deletes a control panel
<a href="#">delete_routing_control</a>	Deletes a routing control
<a href="#">delete_safety_rule</a>	Deletes a safety rule
<a href="#">describe_cluster</a>	Display the details about a cluster
<a href="#">describe_control_panel</a>	Displays details about a control panel
<a href="#">describe_routing_control</a>	Displays details about a routing control
<a href="#">describe_safety_rule</a>	Returns information about a safety rule
<a href="#">get_resource_policy</a>	Get information about the resource policy for a cluster
<a href="#">list_associated_route_53_health_checks</a>	Returns an array of all Amazon Route 53 health checks associated with a specific resource
<a href="#">list_clusters</a>	Returns an array of all the clusters in an account
<a href="#">list_control_panels</a>	Returns an array of control panels in an account or in a cluster
<a href="#">list_routing_controls</a>	Returns an array of routing controls for a control panel
<a href="#">list_safety_rules</a>	List the safety rules (the assertion rules and gating rules) that you've defined for the control panel
<a href="#">list_tags_for_resource</a>	Lists the tags for a resource
<a href="#">tag_resource</a>	Adds a tag to a resource
<a href="#">untag_resource</a>	Removes a tag from a resource
<a href="#">update_control_panel</a>	Updates a control panel
<a href="#">update_routing_control</a>	Updates a routing control
<a href="#">update_safety_rule</a>	Update a safety rule (an assertion rule or gating rule)

## Examples

```

## Not run:
svc <- route53recoverycontrolconfig()
svc$create_cluster(
  Foo = 123
)

```

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

---

```
route53recoveryreadiness
    AWS Route53 Recovery Readiness
```

---

### Description

Recovery readiness

### Usage

```
route53recoveryreadiness(
    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 <- route53recoveryreadiness(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
  ),
  endpoint = "string",
  region = "string"
)
```

## Operations

<code>create_cell</code>	Creates a cell in an account
<code>create_cross_account_authorization</code>	Creates a cross-account readiness authorization
<code>create_readiness_check</code>	Creates a readiness check in an account
<code>create_recovery_group</code>	Creates a recovery group in an account
<code>create_resource_set</code>	Creates a resource set
<code>delete_cell</code>	Delete a cell
<code>delete_cross_account_authorization</code>	Deletes cross account readiness authorization
<code>delete_readiness_check</code>	Deletes a readiness check
<code>delete_recovery_group</code>	Deletes a recovery group
<code>delete_resource_set</code>	Deletes a resource set
<code>get_architecture_recommendations</code>	Gets recommendations about architecture designs for improving resiliency for an account
<code>get_cell</code>	Gets information about a cell including cell name, cell Amazon Resource Name (ARN)
<code>get_cell_readiness_summary</code>	Gets readiness for a cell
<code>get_readiness_check</code>	Gets details about a readiness check
<code>get_readiness_check_resource_status</code>	Gets individual readiness status for a readiness check
<code>get_readiness_check_status</code>	Gets the readiness status for an individual readiness check
<code>get_recovery_group</code>	Gets details about a recovery group, including a list of the cells that are included in the group
<code>get_recovery_group_readiness_summary</code>	Displays a summary of information about a recovery group's readiness status
<code>get_resource_set</code>	Displays the details about a resource set, including a list of the resources in the set
<code>list_cells</code>	Lists the cells for an account
<code>list_cross_account_authorizations</code>	Lists the cross-account readiness authorizations that are in place for an account
<code>list_readiness_checks</code>	Lists the readiness checks for an account
<code>list_recovery_groups</code>	Lists the recovery groups in an account
<code>list_resource_sets</code>	Lists the resource sets in an account
<code>list_rules</code>	Lists all readiness rules, or lists the readiness rules for a specific resource type
<code>list_tags_for_resources</code>	Lists the tags for a resource
<code>tag_resource</code>	Adds a tag to a resource
<code>untag_resource</code>	Removes a tag from a resource
<code>update_cell</code>	Updates a cell to replace the list of nested cells with a new list of nested cells
<code>update_readiness_check</code>	Updates a readiness check
<code>update_recovery_group</code>	Updates a recovery group
<code>update_resource_set</code>	Updates a resource set

## Examples

```
## Not run:
svc <- route53recoveryreadiness()
svc$create_cell(
  Foo = 123
)

## End(Not run)
```

---

route53resolver	<i>Amazon Route 53 Resolver</i>
-----------------	---------------------------------

---

## Description

When you create a VPC using Amazon VPC, you automatically get DNS resolution within the VPC from Route 53 Resolver. By default, Resolver answers DNS queries for VPC domain names such as domain names for EC2 instances or Elastic Load Balancing load balancers. Resolver performs recursive lookups against public name servers for all other domain names.

You can also configure DNS resolution between your VPC and your network over a Direct Connect or VPN connection:

### Forward DNS queries from resolvers on your network to Route 53 Resolver

DNS resolvers on your network can forward DNS queries to Resolver in a specified VPC. This allows your DNS resolvers to easily resolve domain names for Amazon Web Services resources such as EC2 instances or records in a Route 53 private hosted zone. For more information, see [How DNS Resolvers on Your Network Forward DNS Queries to Route 53 Resolver](#) in the *Amazon Route 53 Developer Guide*.

### Conditionally forward queries from a VPC to resolvers on your network

You can configure Resolver to forward queries that it receives from EC2 instances in your VPCs to DNS resolvers on your network. To forward selected queries, you create Resolver rules that specify the domain names for the DNS queries that you want to forward (such as example.com), and the IP addresses of the DNS resolvers on your network that you want to forward the queries to. If a query matches multiple rules (example.com, acme.example.com), Resolver chooses the rule with the most specific match (acme.example.com) and forwards the query to the IP addresses that you specified in that rule. For more information, see [How Route 53 Resolver Forwards DNS Queries from Your VPCs to Your Network](#) in the *Amazon Route 53 Developer Guide*.

Like Amazon VPC, Resolver is Regional. In each Region where you have VPCs, you can choose whether to forward queries from your VPCs to your network (outbound queries), from your network to your VPCs (inbound queries), or both.

## Usage

```
route53resolver(  
    config = list(),  
    credentials = list(),  
    endpoint = NULL,  
    region = NULL  
)
```

## Arguments

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

- **credentials:**
  - **creds:**

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

## Value

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

## Service syntax

```
svc <- route53resolver(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
```

```

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

```

## Operations

<a href="#">associate_firewall_rule_group</a>	Associates a FirewallRuleGroup with a VPC, to provide DNS filtering for the VPC
<a href="#">associate_resolver_endpoint_ip_address</a>	Adds IP addresses to an inbound or an outbound Resolver endpoint
<a href="#">associate_resolver_query_log_config</a>	Associates an Amazon VPC with a specified query logging configuration
<a href="#">associate_resolver_rule</a>	Associates a Resolver rule with a VPC
<a href="#">create_firewall_domain_list</a>	Creates an empty firewall domain list for use in DNS Firewall rules
<a href="#">create_firewall_rule</a>	Creates a single DNS Firewall rule in the specified rule group, using the specified rule group
<a href="#">create_firewall_rule_group</a>	Creates an empty DNS Firewall rule group for filtering DNS network traffic in a VPC
<a href="#">create_outpost_resolver</a>	Creates a Route 53 Resolver on an Outpost
<a href="#">create_resolver_endpoint</a>	Creates a Resolver endpoint
<a href="#">create_resolver_query_log_config</a>	Creates a Resolver query logging configuration, which defines where you want to log DNS queries
<a href="#">create_resolver_rule</a>	For DNS queries that originate in your VPCs, specifies which Resolver endpoint to use
<a href="#">delete_firewall_domain_list</a>	Deletes the specified domain list
<a href="#">delete_firewall_rule</a>	Deletes the specified firewall rule
<a href="#">delete_firewall_rule_group</a>	Deletes the specified firewall rule group
<a href="#">delete_outpost_resolver</a>	Deletes a Resolver on the Outpost
<a href="#">delete_resolver_endpoint</a>	Deletes a Resolver endpoint
<a href="#">delete_resolver_query_log_config</a>	Deletes a query logging configuration
<a href="#">delete_resolver_rule</a>	Deletes a Resolver rule
<a href="#">disassociate_firewall_rule_group</a>	Disassociates a FirewallRuleGroup from a VPC, to remove DNS filtering from the VPC
<a href="#">disassociate_resolver_endpoint_ip_address</a>	Removes IP addresses from an inbound or an outbound Resolver endpoint
<a href="#">disassociate_resolver_query_log_config</a>	Disassociates a VPC from a query logging configuration
<a href="#">disassociate_resolver_rule</a>	Removes the association between a specified Resolver rule and a specified VPC
<a href="#">get_firewall_config</a>	Retrieves the configuration of the firewall behavior provided by DNS Firewall
<a href="#">get_firewall_domain_list</a>	Retrieves the specified firewall domain list
<a href="#">get_firewall_rule_group</a>	Retrieves the specified firewall rule group

<code>get_firewall_rule_group_association</code>	Retrieves a firewall rule group association, which enables DNS filtering for a VPC
<code>get_firewall_rule_group_policy</code>	Returns the Identity and Access Management (Amazon Web Services IAM) policy for a FirewallRuleGroup
<code>get_outpost_resolver</code>	Gets information about a specified Resolver on the Outpost, such as its instance ID
<code>get_resolver_config</code>	Retrieves the behavior configuration of Route 53 Resolver behavior for a single Resolver
<code>get_resolver_dnssec_config</code>	Gets DNSSEC validation information for a specified resource
<code>get_resolver_endpoint</code>	Gets information about a specified Resolver endpoint, such as whether it's an inbound or outbound endpoint
<code>get_resolver_query_log_config</code>	Gets information about a specified Resolver query logging configuration, such as the logging policy
<code>get_resolver_query_log_config_association</code>	Gets information about a specified association between a Resolver query logging configuration and a VPC
<code>get_resolver_query_log_config_policy</code>	Gets information about a query logging policy
<code>get_resolver_rule</code>	Gets information about a specified Resolver rule, such as the domain name that the rule applies to
<code>get_resolver_rule_association</code>	Gets information about an association between a specified Resolver rule and a VPC
<code>get_resolver_rule_policy</code>	Gets information about the Resolver rule policy for a specified rule
<code>import_firewall_domains</code>	Imports domain names from a file into a domain list, for use in a DNS firewall
<code>list_firewall_configs</code>	Retrieves the firewall configurations that you have defined
<code>list_firewall_domain_lists</code>	Retrieves the firewall domain lists that you have defined
<code>list_firewall_domains</code>	Retrieves the domains that you have defined for the specified firewall domain list
<code>list_firewall_rule_group_associations</code>	Retrieves the firewall rule group associations that you have defined
<code>list_firewall_rule_groups</code>	Retrieves the minimal high-level information for the rule groups that you have defined
<code>list_firewall_rules</code>	Retrieves the firewall rules that you have defined for the specified firewall rule group
<code>list_outpost_resolvers</code>	Lists all the Resolvers on Outposts that were created using the current Amazon Web Services account
<code>list_resolver_configs</code>	Retrieves the Resolver configurations that you have defined
<code>list_resolver_dnssec_configs</code>	Lists the configurations for DNSSEC validation that are associated with the current Amazon Web Services account
<code>list_resolver_endpoint_ip_addresses</code>	Gets the IP addresses for a specified Resolver endpoint
<code>list_resolver_endpoints</code>	Lists all the Resolver endpoints that were created using the current Amazon Web Services account
<code>list_resolver_query_log_config_associations</code>	Lists information about associations between Amazon VPCs and query logging configurations
<code>list_resolver_query_log_configs</code>	Lists information about the specified query logging configurations
<code>list_resolver_rule_associations</code>	Lists the associations that were created between Resolver rules and VPCs using the current Amazon Web Services account
<code>list_resolver_rules</code>	Lists the Resolver rules that were created using the current Amazon Web Services account
<code>list_tags_for_resource</code>	Lists the tags that you associated with the specified resource
<code>put_firewall_rule_group_policy</code>	Attaches an Identity and Access Management (Amazon Web Services IAM) policy to a FirewallRuleGroup
<code>put_resolver_query_log_config_policy</code>	Specifies an Amazon Web Services account that you want to share a query logging configuration with
<code>put_resolver_rule_policy</code>	Specifies an Amazon Web Services rule that you want to share with another account
<code>tag_resource</code>	Adds one or more tags to a specified resource
<code>untag_resource</code>	Removes one or more tags from a specified resource
<code>update_firewall_config</code>	Updates the configuration of the firewall behavior provided by DNS Firewall for a specified FirewallRuleGroup
<code>update_firewall_domains</code>	Updates the firewall domain list from an array of domain specifications
<code>update_firewall_rule</code>	Updates the specified firewall rule
<code>update_firewall_rule_group_association</code>	Changes the association of a FirewallRuleGroup with a VPC
<code>update_outpost_resolver</code>	You can use UpdateOutpostResolver to update the instance count, type, or name of an Outpost Resolver
<code>update_resolver_config</code>	Updates the behavior configuration of Route 53 Resolver behavior for a single Resolver
<code>update_resolver_dnssec_config</code>	Updates an existing DNSSEC validation configuration
<code>update_resolver_endpoint</code>	Updates the name, or endpoint type for an inbound or an outbound Resolver endpoint
<code>update_resolver_rule</code>	Updates settings for a specified Resolver rule

## Examples

```
## Not run:
```

```
svc <- route53resolver()
svc$associate_firewall_rule_group(
  Foo = 123
)

## End(Not run)
```

---

servicediscovery      *AWS Cloud Map*

---

## Description

### Cloud Map

With Cloud Map, you can configure public DNS, private DNS, or HTTP namespaces that your microservice applications run in. When an instance becomes available, you can call the Cloud Map API to register the instance with Cloud Map. For public or private DNS namespaces, Cloud Map automatically creates DNS records and an optional health check. Clients that submit public or private DNS queries, or HTTP requests, for the service receive an answer that contains up to eight healthy records.

## Usage

```
servicediscovery(
  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.

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

## Value

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

## Service syntax

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



```

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

```

## Operations

<a href="#">create_http_namespace</a>	Creates an HTTP namespace
<a href="#">create_private_dns_namespace</a>	Creates a private namespace based on DNS, which is visible only inside a specified VPC
<a href="#">create_public_dns_namespace</a>	Creates a public namespace based on DNS, which is visible on the internet
<a href="#">create_service</a>	Creates a service
<a href="#">delete_namespace</a>	Deletes a namespace from the current account
<a href="#">delete_service</a>	Deletes a specified service and all associated service attributes
<a href="#">delete_service_attributes</a>	Deletes specific attributes associated with a service
<a href="#">deregister_instance</a>	Deletes the Amazon Route 53 DNS records and health check, if any, that Cloud Map created for the instance
<a href="#">discover_instances</a>	Discovers registered instances for a specified namespace and service
<a href="#">discover_instances_revision</a>	Discovers the increasing revision associated with an instance
<a href="#">get_instance</a>	Gets information about a specified instance
<a href="#">get_instances_health_status</a>	Gets the current health status (Healthy, Unhealthy, or Unknown) of one or more instances
<a href="#">get_namespace</a>	Gets information about a namespace
<a href="#">get_operation</a>	Gets information about any operation that returns an operation ID in the response, such as create_namespace
<a href="#">get_service</a>	Gets the settings for a specified service
<a href="#">get_service_attributes</a>	Returns the attributes associated with a specified service
<a href="#">list_instances</a>	Lists summary information about the instances that you registered by using a specified namespace and service
<a href="#">list_namespaces</a>	Lists summary information about the namespaces that were created by the current account
<a href="#">list_operations</a>	Lists operations that match the criteria that you specify
<a href="#">list_services</a>	Lists summary information for all the services that are associated with one or more namespaces
<a href="#">list_tags_for_resource</a>	Lists tags for the specified resource
<a href="#">register_instance</a>	Creates or updates one or more records and, optionally, creates a health check based on the specified settings
<a href="#">tag_resource</a>	Adds one or more tags to the specified resource
<a href="#">untag_resource</a>	Removes one or more tags from the specified resource
<a href="#">update_http_namespace</a>	Updates an HTTP namespace
<a href="#">update_instance_custom_health_status</a>	Submits a request to change the health status of a custom health check to healthy or unhealthy
<a href="#">update_private_dns_namespace</a>	Updates a private DNS namespace
<a href="#">update_public_dns_namespace</a>	Updates a public DNS namespace
<a href="#">update_service</a>	Submits a request to perform the following operations:
<a href="#">update_service_attributes</a>	Submits a request to update a specified service to add service-level attributes

## Examples

```

## Not run:
svc <- servicediscovery()
# This example creates an HTTP namespace.

```

```

svc$create_http_namespace(
  CreatorRequestId = "example-creator-request-id-0001",
  Description = "Example.com AWS Cloud Map HTTP Namespace",
  Name = "example-http.com"
)

## End(Not run)

```

---

telconetworkbuilder    *AWS Telco Network Builder*

---

## Description

Amazon Web Services Telco Network Builder (TNB) is a network automation service that helps you deploy and manage telecom networks. AWS TNB helps you with the lifecycle management of your telecommunication network functions throughout planning, deployment, and post-deployment activities.

## Usage

```

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

```

## Arguments

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

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

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

### Value

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

### Service syntax

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

```

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

```

## Operations

<a href="#">cancel_sol_network_operation</a>	Cancels a network operation
<a href="#">create_sol_function_package</a>	Creates a function package
<a href="#">create_sol_network_instance</a>	Creates a network instance
<a href="#">create_sol_network_package</a>	Creates a network package
<a href="#">delete_sol_function_package</a>	Deletes a function package
<a href="#">delete_sol_network_instance</a>	Deletes a network instance
<a href="#">delete_sol_network_package</a>	Deletes network package
<a href="#">get_sol_function_instance</a>	Gets the details of a network function instance, including the instantiation state and
<a href="#">get_sol_function_package</a>	Gets the details of an individual function package, such as the operational state and
<a href="#">get_sol_function_package_content</a>	Gets the contents of a function package
<a href="#">get_sol_function_package_descriptor</a>	Gets a function package descriptor in a function package
<a href="#">get_sol_network_instance</a>	Gets the details of the network instance
<a href="#">get_sol_network_operation</a>	Gets the details of a network operation, including the tasks involved in the network
<a href="#">get_sol_network_package</a>	Gets the details of a network package
<a href="#">get_sol_network_package_content</a>	Gets the contents of a network package
<a href="#">get_sol_network_package_descriptor</a>	Gets the content of the network service descriptor
<a href="#">instantiate_sol_network_instance</a>	Instantiates a network instance
<a href="#">list_sol_function_instances</a>	Lists network function instances
<a href="#">list_sol_function_packages</a>	Lists information about function packages
<a href="#">list_sol_network_instances</a>	Lists your network instances
<a href="#">list_sol_network_operations</a>	Lists details for a network operation, including when the operation started and the s
<a href="#">list_sol_network_packages</a>	Lists network packages
<a href="#">list_tags_for_resource</a>	Lists tags for AWS TNB resources
<a href="#">put_sol_function_package_content</a>	Uploads the contents of a function package
<a href="#">put_sol_network_package_content</a>	Uploads the contents of a network package
<a href="#">tag_resource</a>	Tags an AWS TNB resource
<a href="#">terminate_sol_network_instance</a>	Terminates a network instance
<a href="#">untag_resource</a>	Untags an AWS TNB resource
<a href="#">update_sol_function_package</a>	Updates the operational state of function package
<a href="#">update_sol_network_instance</a>	Update a network instance
<a href="#">update_sol_network_package</a>	Updates the operational state of a network package
<a href="#">validate_sol_function_package_content</a>	Validates function package content
<a href="#">validate_sol_network_package_content</a>	Validates network package content

## Examples

```

## Not run:
svc <- telconetworkbuilder()

```

```

svc$cancel_sol_network_operation(
  Foo = 123
)

## End(Not run)

```

---

vpclattice

*Amazon VPC Lattice*


---

## Description

Amazon VPC Lattice is a fully managed application networking service that you use to connect, secure, and monitor all of your services across multiple accounts and virtual private clouds (VPCs). Amazon VPC Lattice interconnects your microservices and legacy services within a logical boundary, so that you can discover and manage them more efficiently. For more information, see the [Amazon VPC Lattice User Guide](#)

## Usage

```

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

```

## Arguments

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

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

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

### Value

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

### Service syntax

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

```

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

```

## Operations

<a href="#">batch_update_rule</a>	Updates the listener rules in a batch
<a href="#">create_access_log_subscription</a>	Enables access logs to be sent to Amazon CloudWatch, Amazon S3, and Amazon SNS
<a href="#">create_listener</a>	Creates a listener for a service
<a href="#">create_resource_configuration</a>	Creates a resource configuration
<a href="#">create_resource_gateway</a>	Creates a resource gateway
<a href="#">create_rule</a>	Creates a listener rule
<a href="#">create_service</a>	Creates a service
<a href="#">create_service_network</a>	Creates a service network
<a href="#">create_service_network_resource_association</a>	Associates the specified service network with the specified resource configuration
<a href="#">create_service_network_service_association</a>	Associates the specified service with the specified service network
<a href="#">create_service_network_vpc_association</a>	Associates a VPC with a service network
<a href="#">create_target_group</a>	Creates a target group
<a href="#">delete_access_log_subscription</a>	Deletes the specified access log subscription
<a href="#">delete_auth_policy</a>	Deletes the specified auth policy
<a href="#">delete_listener</a>	Deletes the specified listener
<a href="#">delete_resource_configuration</a>	Deletes the specified resource configuration
<a href="#">delete_resource_endpoint_association</a>	Disassociates the resource configuration from the resource VPC endpoint
<a href="#">delete_resource_gateway</a>	Deletes the specified resource gateway
<a href="#">delete_resource_policy</a>	Deletes the specified resource policy
<a href="#">delete_rule</a>	Deletes a listener rule
<a href="#">delete_service</a>	Deletes a service
<a href="#">delete_service_network</a>	Deletes a service network
<a href="#">delete_service_network_resource_association</a>	Deletes the association between a service network and a resource configuration
<a href="#">delete_service_network_service_association</a>	Deletes the association between a service and a service network
<a href="#">delete_service_network_vpc_association</a>	Disassociates the VPC from the service network
<a href="#">delete_target_group</a>	Deletes a target group
<a href="#">deregister_targets</a>	Deregisters the specified targets from the specified target group
<a href="#">get_access_log_subscription</a>	Retrieves information about the specified access log subscription
<a href="#">get_auth_policy</a>	Retrieves information about the auth policy for the specified service or service network
<a href="#">get_listener</a>	Retrieves information about the specified listener for the specified service
<a href="#">get_resource_configuration</a>	Retrieves information about the specified resource configuration
<a href="#">get_resource_gateway</a>	Retrieves information about the specified resource gateway
<a href="#">get_resource_policy</a>	Retrieves information about the specified resource policy
<a href="#">get_rule</a>	Retrieves information about the specified listener rules
<a href="#">get_service</a>	Retrieves information about the specified service
<a href="#">get_service_network</a>	Retrieves information about the specified service network
<a href="#">get_service_network_resource_association</a>	Retrieves information about the specified association between a service network and a resource configuration
<a href="#">get_service_network_service_association</a>	Retrieves information about the specified association between a service network and a service
<a href="#">get_service_network_vpc_association</a>	Retrieves information about the specified association between a service network and a VPC
<a href="#">get_target_group</a>	Retrieves information about the specified target group

<code>list_access_log_subscriptions</code>	Lists the access log subscriptions for the specified service network or service
<code>list_listeners</code>	Lists the listeners for the specified service
<code>list_resource_configurations</code>	Lists the resource configurations owned by or shared with this account
<code>list_resource_endpoint_associations</code>	Lists the associations for the specified VPC endpoint
<code>list_resource_gateways</code>	Lists the resource gateways that you own or that were shared with you
<code>list_rules</code>	Lists the rules for the specified listener
<code>list_service_network_resource_associations</code>	Lists the associations between a service network and a resource configuration
<code>list_service_networks</code>	Lists the service networks owned by or shared with this account
<code>list_service_network_service_associations</code>	Lists the associations between a service network and a service
<code>list_service_network_vpc_associations</code>	Lists the associations between a service network and a VPC
<code>list_service_network_vpc_endpoint_associations</code>	Lists the associations between a service network and a VPC endpoint
<code>list_services</code>	Lists the services owned by the caller account or shared with the caller account
<code>list_tags_for_resource</code>	Lists the tags for the specified resource
<code>list_target_groups</code>	Lists your target groups
<code>list_targets</code>	Lists the targets for the target group
<code>put_auth_policy</code>	Creates or updates the auth policy
<code>put_resource_policy</code>	Attaches a resource-based permission policy to a service or service network
<code>register_targets</code>	Registers the targets with the target group
<code>tag_resource</code>	Adds the specified tags to the specified resource
<code>untag_resource</code>	Removes the specified tags from the specified resource
<code>update_access_log_subscription</code>	Updates the specified access log subscription
<code>update_listener</code>	Updates the specified listener for the specified service
<code>update_resource_configuration</code>	Updates the specified resource configuration
<code>update_resource_gateway</code>	Updates the specified resource gateway
<code>update_rule</code>	Updates a specified rule for the listener
<code>update_service</code>	Updates the specified service
<code>update_service_network</code>	Updates the specified service network
<code>update_service_network_vpc_association</code>	Updates the service network and VPC association
<code>update_target_group</code>	Updates the specified target group

## Examples

```
## Not run:
svc <- vpclattice()
svc$batch_update_rule(
  Foo = 123
)

## End(Not run)
```



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