

Package ‘paws.compute’

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Title 'Amazon Web Services' Compute Services

Version 0.11.0

Description Interface to 'Amazon Web Services' compute services, including 'Elastic Compute Cloud' ('EC2'), 'Lambda' functions-as-a-service, containers, batch processing, and more <<https://aws.amazon.com/>>.

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URL <https://github.com/paws-r/paws>,
<https://paws-r.r-universe.dev/paws.compute>,
<https://www.paws-r-sdk.com>

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

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'computeoptimizer_interfaces.R' 'computeoptimizer_operations.R'
'ec2_service.R' 'ec2_interfaces.R' 'ec2_operations.R'
'ec2instanceconnect_service.R'
'ec2instanceconnect_interfaces.R'
'ec2instanceconnect_operations.R' 'ecr_service.R'
'ecr_interfaces.R' 'ecr_operations.R' 'ecrpublic_service.R'
'ecrpublic_interfaces.R' 'ecrpublic_operations.R'
'ecs_service.R' 'ecs_interfaces.R' 'ecs_operations.R'
'eks_service.R' 'eks_interfaces.R' 'eks_operations.R'
'elasticbeanstalk_service.R' 'elasticbeanstalk_interfaces.R'
'elasticbeanstalk_operations.R' 'emrcontainers_service.R'

'emrcontainers_interfaces.R' 'emrcontainers_operations.R'
'emrserverless_service.R' 'emrserverless_interfaces.R'
'emrserverless_operations.R' 'imagebuilder_service.R'
'imagebuilder_interfaces.R' 'imagebuilder_operations.R'
'lambda_service.R' 'lambda_interfaces.R' 'lambda_operations.R'
'lightsail_service.R' 'lightsail_interfaces.R'
'lightsail_operations.R' 'proton_service.R'
'proton_interfaces.R' 'proton_operations.R'
'reexports_paws.common.R'
'serverlessapplicationrepository_service.R'
'serverlessapplicationrepository_interfaces.R'
'serverlessapplicationrepository_operations.R'

NeedsCompilation no
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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apprunnerAWS App Runner

Description

App Runner

App Runner is an application service that provides a fast, simple, and cost-effective way to go directly from an existing container image or source code to a running service in the Amazon Web Services Cloud in seconds. You don't need to learn new technologies, decide which compute service to use, or understand how to provision and configure Amazon Web Services resources.

App Runner connects directly to your container registry or source code repository. It provides an automatic delivery pipeline with fully managed operations, high performance, scalability, and security.

For more information about App Runner, see the [App Runner Developer Guide](#). For release information, see the [App Runner Release Notes](#).

To install the Software Development Kits (SDKs), Integrated Development Environment (IDE) Toolkits, and command line tools that you can use to access the API, see [Tools for Amazon Web Services](#).

Endpoints

For a list of Region-specific endpoints that App Runner supports, see [App Runner endpoints and quotas](#) in the *Amazon Web Services General Reference*.

Usage

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

Arguments

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

	• region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
credentials	Optional credentials shorthand for the config parameter • creds: – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

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

Service syntax

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

```

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

```

Operations

[associate_custom_domain](#)
[create_auto_scaling_configuration](#)
[create_connection](#)
[create_observability_configuration](#)
[create_service](#)
[create_vpc_connector](#)
[create_vpc_ingress_connection](#)
[delete_auto_scaling_configuration](#)
[delete_connection](#)
[delete_observability_configuration](#)
[delete_service](#)
[delete_vpc_connector](#)
[delete_vpc_ingress_connection](#)
[describe_auto_scaling_configuration](#)
[describe_custom_domains](#)
[describe_observability_configuration](#)
[describe_service](#)
[describe_vpc_connector](#)
[describe_vpc_ingress_connection](#)
[disassociate_custom_domain](#)
[list_auto_scaling_configurations](#)
[list_connections](#)
[list_observability_configurations](#)
[list_operations](#)
[list_services](#)
[list_services_for_auto_scaling_configuration](#)
[list_tags_for_resource](#)
[list_vpc_connectors](#)

Associate your own domain name with the App Runner subdomain URL of your application.
 Create an App Runner automatic scaling configuration resource.
 Create an App Runner connection resource.
 Create an App Runner observability configuration resource.
 Create an App Runner service.
 Create an App Runner VPC connector resource.
 Create an App Runner VPC Ingress Connection resource.
 Delete an App Runner automatic scaling configuration resource.
 Delete an App Runner connection.
 Delete an App Runner observability configuration resource.
 Delete an App Runner service.
 Delete an App Runner VPC connector resource.
 Delete an App Runner VPC Ingress Connection resource that's associated with an App Runner service.
 Return a full description of an App Runner automatic scaling configuration resource.
 Return a description of custom domain names that are associated with an App Runner service.
 Return a full description of an App Runner observability configuration resource.
 Return a full description of an App Runner service.
 Return a description of an App Runner VPC connector resource.
 Return a full description of an App Runner VPC Ingress Connection resource.
 Disassociate a custom domain name from an App Runner service.
 Returns a list of active App Runner automatic scaling configurations in your Amazon Web Services account.
 Returns a list of App Runner connections that are associated with your Amazon Web Services account.
 Returns a list of active App Runner observability configurations in your Amazon Web Services account.
 Return a list of operations that occurred on an App Runner service.
 Returns a list of running App Runner services in your Amazon Web Services account.
 Returns a list of the associated App Runner services using an auto scaling configuration.
 List tags that are associated with for an App Runner resource.
 Returns a list of App Runner VPC connectors in your Amazon Web Services account.

list_vpc_ingress_connections	Return a list of App Runner VPC Ingress Connections in your Amazon Web S
pause_service	Pause an active App Runner service
resume_service	Resume an active App Runner service
start_deployment	Initiate a manual deployment of the latest commit in a source code repository
tag_resource	Add tags to, or update the tag values of, an App Runner resource
untag_resource	Remove tags from an App Runner resource
update_default_auto_scaling_configuration	Update an auto scaling configuration to be the default
update_service	Update an App Runner service
update_vpc_ingress_connection	Update an existing App Runner VPC Ingress Connection resource

Examples

```
## Not run:
svc <- apprunner()
svc$associate_custom_domain(
  Foo = 123
)

## End(Not run)
```

batch	<i>AWS Batch</i>
-------	------------------

Description

Batch

Using Batch, you can run batch computing workloads on the Amazon Web Services Cloud. Batch computing is a common means for developers, scientists, and engineers to access large amounts of compute resources. Batch uses the advantages of the batch computing to remove the undifferentiated heavy lifting of configuring and managing required infrastructure. At the same time, it also adopts a familiar batch computing software approach. You can use Batch to efficiently provision resources, and work toward eliminating capacity constraints, reducing your overall compute costs, and delivering results more quickly.

As a fully managed service, Batch can run batch computing workloads of any scale. Batch automatically provisions compute resources and optimizes workload distribution based on the quantity and scale of your specific workloads. With Batch, there’s no need to install or manage batch computing software. This means that you can focus on analyzing results and solving your specific problems instead.

Usage

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

Arguments

config	Optional configuration of credentials, endpoint, and/or region. • credentials: – creds: * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoints.html • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
credentials	Optional credentials shorthand for the config parameter • creds: – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

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

Service syntax

```

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

```

Operations

cancel_job	Cancels a job in an Batch job queue
cancel_jobs	Cancels up to 50 jobs in an Batch job queue
create_compute_environment	Creates an Batch compute environment
create_consumable_resource	Creates an Batch consumable resource
create_job_queue	Creates an Batch job queue
create_quota_share	Creates an Batch quota share
create_scheduling_policy	Creates an Batch scheduling policy
create_service_environment	Creates a service environment for running service jobs
delete_compute_environment	Deletes an Batch compute environment
delete_consumable_resource	Deletes the specified consumable resource
delete_job_queue	Deletes the specified job queue
delete_quota_share	Deletes the specified quota share

<code>delete_scheduling_policy</code>	Deletes the specified scheduling policy
<code>delete_service_environment</code>	Deletes a Service environment
<code>deregister_job_definition</code>	Deregisters an Batch job definition
<code>describe_compute_environments</code>	Describes one or more of your compute environments
<code>describe_consumable_resource</code>	Returns a description of the specified consumable resource
<code>describe_job_definitions</code>	Describes a list of job definitions
<code>describe_job_queues</code>	Describes one or more of your job queues
<code>describe_jobs</code>	Describes a list of Batch jobs
<code>describe_quota_share</code>	Returns a description of the specified quota share
<code>describe_scheduling_policies</code>	Describes one or more of your scheduling policies
<code>describe_service_environments</code>	Describes one or more of your service environments
<code>describe_service_job</code>	The details of a service job
<code>get_job_queue_snapshot</code>	Provides a snapshot of job queue state, including ordering of RUNNABLE jobs, as well
<code>list_consumable_resources</code>	Returns a list of Batch consumable resources
<code>list_jobs</code>	Returns a list of Batch jobs
<code>list_jobs_by_consumable_resource</code>	Returns a list of Batch jobs that require a specific consumable resource
<code>list_quota_shares</code>	Returns a list of Batch quota shares associated with a job queue
<code>list_scheduling_policies</code>	Returns a list of Batch scheduling policies
<code>list_service_jobs</code>	Returns a list of service jobs for a specified job queue
<code>list_tags_for_resource</code>	Lists the tags for an Batch resource
<code>register_job_definition</code>	Registers an Batch job definition
<code>submit_job</code>	Submits an Batch job from a job definition
<code>submit_service_job</code>	Submits a service job to a specified job queue to run on SageMaker AI
<code>tag_resource</code>	Associates the specified tags to a resource with the specified resourceArn
<code>terminate_job</code>	Terminates a job in a job queue
<code>terminate_jobs</code>	Terminates up to 50 jobs in a job queue
<code>terminate_service_job</code>	Terminates a service job in a job queue
<code>terminate_service_jobs</code>	Terminates up to 50 service jobs in a job queue
<code>untag_resource</code>	Deletes specified tags from an Batch resource
<code>update_compute_environment</code>	Updates an Batch compute environment
<code>update_consumable_resource</code>	Updates a consumable resource
<code>update_job_queue</code>	Updates a job queue
<code>update_quota_share</code>	Updates a quota share
<code>update_scheduling_policy</code>	Updates a scheduling policy
<code>update_service_environment</code>	Updates a service environment
<code>update_service_job</code>	Updates the priority of a specified service job in an Batch job queue

Examples

```
## Not run:
svc <- batch()
# This example cancels a job with the specified job ID.
svc$cancel_job(
  jobId = "1d828f65-7a4d-42e8-996d-3b900ed59dc4",
  reason = "Cancelling job."
)
```

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

braket

Braket

Description

The Amazon Braket API Reference provides information about the operations and structures supported by Amazon Braket.

To learn about the permissions required to call an Amazon Braket API action, see [Actions, resources, and condition keys for Amazon Braket](#). [Amazon Braket Python SDK](#) and the [AWS Command Line Interface](#) can be used to make discovery and creation of API calls easier. For more information about Amazon Braket features, see [What is Amazon Braket?](#) and important [terms and concepts](#) in the *Amazon Braket Developer Guide*.

In this guide:

- [CommonParameters](#)
- [CommonErrors](#)

Available languages for AWS SDK:

- [.NET](#)
- [C++](#)
- [Go API reference](#)
- [Java](#)
- [JavaScript](#)
- [PHP](#)
- [Python \(Boto\)](#)
- [Ruby](#)

Code examples from the Amazon Braket Tutorials GitHub repository:

- [Amazon Braket Examples](#)

Usage

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

Arguments

config	Optional configuration of credentials, endpoint, and/or region. • credentials: – creds: * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoints.html • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
credentials	Optional credentials shorthand for the config parameter • creds: – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

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

Service syntax

```

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

```

Operations

cancel_job	Cancels an Amazon Braket hybrid job
cancel_quantum_task	Cancels the specified task
create_job	Creates an Amazon Braket hybrid job
create_quantum_task	Creates a quantum task
create_spending_limit	Creates a spending limit for a specified quantum device
delete_spending_limit	Deletes an existing spending limit
get_device	Retrieves the devices available in Amazon Braket
get_job	Retrieves the specified Amazon Braket hybrid job
get_quantum_task	Retrieves the specified quantum task
list_tags_for_resource	Shows the tags associated with this resource
search_devices	Searches for devices using the specified filters
search_jobs	Searches for Amazon Braket hybrid jobs that match the specified filter values

search_quantum_tasks	Searches for tasks that match the specified filter values
search_spending_limits	Searches and lists spending limits based on specified filters
tag_resource	Add a tag to the specified resource
untag_resource	Remove tags from a resource
update_spending_limit	Updates an existing spending limit

Examples

```
## Not run:
svc <- braket()
svc$cancel_job(
  Foo = 123
)

## End(Not run)
```

computeoptimizer

AWS Compute Optimizer

Description

Compute Optimizer is a service that analyzes the configuration and utilization metrics of your Amazon Web Services compute resources, such as Amazon EC2 instances, Amazon EC2 Auto Scaling groups, Lambda functions, Amazon EBS volumes, and Amazon ECS services on Fargate. It reports whether your resources are optimal, and generates optimization recommendations to reduce the cost and improve the performance of your workloads. Compute Optimizer also provides recent utilization metric data, in addition to projected utilization metric data for the recommendations, which you can use to evaluate which recommendation provides the best price-performance trade-off. The analysis of your usage patterns can help you decide when to move or resize your running resources, and still meet your performance and capacity requirements. For more information about Compute Optimizer, including the required permissions to use the service, see the [Compute Optimizer User Guide](#).

Usage

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

Arguments

config	Optional configuration of credentials, endpoint, and/or region. • credentials: – creds: * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
credentials	Optional credentials shorthand for the config parameter • creds: – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

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

Service syntax

```

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

```

Operations

[delete_recommendation_preferences](#)
[describe_recommendation_export_jobs](#)
[export_auto_scaling_group_recommendations](#)
[export_ebs_volume_recommendations](#)
[export_ec2_instance_recommendations](#)
[export_ecs_service_recommendations](#)
[export_idle_recommendations](#)
[export_lambda_function_recommendations](#)
[export_license_recommendations](#)
[export_rds_database_recommendations](#)
[get_auto_scaling_group_recommendations](#)
[get_ebs_volume_recommendations](#)

Deletes a recommendation preference, such as enhanced infrastructure
 Describes recommendation export jobs created in the last seven days
 Exports optimization recommendations for Auto Scaling groups
 Exports optimization recommendations for Amazon EBS volumes
 Exports optimization recommendations for Amazon EC2 instances
 Exports optimization recommendations for Amazon ECS services on
 Export optimization recommendations for your idle resources
 Exports optimization recommendations for Lambda functions
 Export optimization recommendations for your licenses
 Export optimization recommendations for your Amazon Aurora and
 Returns Auto Scaling group recommendations
 Returns Amazon Elastic Block Store (Amazon EBS) volume recomm

<code>get_ec2_instance_recommendations</code>	Returns Amazon EC2 instance recommendations
<code>get_ec2_recommendation_projected_metrics</code>	Returns the projected utilization metrics of Amazon EC2 instance recommendations
<code>get_ecs_service_recommendation_projected_metrics</code>	Returns the projected metrics of Amazon ECS service recommendations
<code>get_ecs_service_recommendations</code>	Returns Amazon ECS service recommendations
<code>get_effective_recommendation_preferences</code>	Returns the recommendation preferences that are in effect for a given account
<code>get_enrollment_status</code>	Returns the enrollment (opt in) status of an account to the Compute Optimizer
<code>get_enrollment_statuses_for_organization</code>	Returns the Compute Optimizer enrollment (opt-in) status of organizations in the account
<code>get_idle_recommendations</code>	Returns idle resource recommendations
<code>get_lambda_function_recommendations</code>	Returns Lambda function recommendations
<code>get_license_recommendations</code>	Returns license recommendations for Amazon EC2 instances that run Amazon Linux
<code>get_rds_database_recommendation_projected_metrics</code>	Returns the projected metrics of Aurora and RDS database recommendations
<code>get_rds_database_recommendations</code>	Returns Amazon Aurora and RDS database recommendations
<code>get_recommendation_preferences</code>	Returns existing recommendation preferences, such as enhanced infrastructure
<code>get_recommendation_summaries</code>	Returns the optimization findings for an account
<code>put_recommendation_preferences</code>	Creates a new recommendation preference or updates an existing recommendation preference
<code>update_enrollment_status</code>	Updates the enrollment (opt in and opt out) status of an account to the Compute Optimizer

Examples

```
## Not run:
svc <- computeoptimizer()
svc$delete_recommendation_preferences(
  Foo = 123
)

## End(Not run)
```

ec2

Amazon Elastic Compute Cloud

Description

This is the *Amazon EC2 API Reference*. It provides descriptions, API request parameters, and the XML response for each of the Amazon EC2 Query API actions. Note that the Amazon EC2 API includes actions for Amazon EC2 plus additional services, such as Amazon EBS and Amazon VPC.

Learn more

- To learn about using the Query API, see [Using the API for Amazon EC2](#).
- To learn about the permissions required to call an Amazon EC2 API action, see [Actions, resources, and condition keys for Amazon EC2](#).
- To get the list of API actions by service and resource, see [Actions by service](#).
- To get the alphabetical list of API actions, see [API actions](#).
- To get descriptions of the API error codes, see [Error codes for the Amazon EC2 API](#).

Alternatively, use one of the following methods to access the Amazon EC2 API, instead of using the Query API directly:

- [Amazon Web Services CLI Command Reference - ec2 commands](#)
- [CloudFormation - Amazon EC2 resource type reference](#)
- [Amazon Web Services Tools for PowerShell Cmdlet Reference - Amazon EC2 cmdlets](#)
- [Amazon Web Services SDKs](#)

Usage

```
ec2(config = list(), credentials = list(), endpoint = NULL, region = NULL)
```

Arguments

config	Optional configuration of credentials, endpoint, and/or region. • credentials: – creds: * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. http://s3.amazonaws.com/BUCKET/KEY. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
credentials	Optional credentials shorthand for the config parameter • creds: – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

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

Service syntax

```
svc <- ec2(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string",
    use_dual_stack = "logical"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
  ),
  endpoint = "string",
  region = "string"
)
```

Operations

[accept_address_transfer](#)
[accept_capacity_reservation_billing_ownership](#)
[accept_reserved_instances_exchange_quote](#)
[accept_transit_gateway_client_vpn_attachment](#)
[accept_transit_gateway_multicast_domain_associations](#)
[accept_transit_gateway_peering_attachment](#)
[accept_transit_gateway_vpc_attachment](#)

Accepts an Elastic IP address transfer
 Accepts a request to assign billing of the available capacity to a reserved instance
 Accepts the Convertible Reserved Instance exchange quote
 Accepts a Transit Gateway attachment request for a subnet
 Accepts a request to associate subnets with a transit gateway
 Accepts a transit gateway peering attachment request
 Accepts a request to attach a VPC to a transit gateway

<code>accept_vpc_endpoint_connections</code>	Accepts connection requests to your VPC endpoint
<code>accept_vpc_peering_connection</code>	Accept a VPC peering connection request
<code>advertise_byoip_cidr</code>	Advertises an IPv4 or IPv6 address range that is
<code>allocate_address</code>	Allocates an Elastic IP address to your Amazon
<code>allocate_hosts</code>	Allocates a Dedicated Host to your account
<code>allocate_ipam_pool_cidr</code>	Allocate a CIDR from an IPAM pool
<code>apply_security_groups_to_client_vpn_target_network</code>	Applies a security group to the association between
<code>assign_ipv6_addresses</code>	Assigns the specified IPv6 addresses to the speci
<code>assign_private_ip_addresses</code>	Assigns the specified secondary private IP address
<code>assign_private_nat_gateway_address</code>	Assigns private IPv4 addresses to a private NAT
<code>associate_address</code>	Associates an Elastic IP address, or carrier IP ad
<code>associate_application_status_check</code>	Associates an application status check with insta
<code>associate_capacity_reservation_billing_owner</code>	Initiates a request to assign billing of the unused
<code>associate_client_vpn_target_network</code>	Associates a target network with a Client VPN en
<code>associate_dhcp_options</code>	Associates a set of DHCP options (that you've pr
<code>associate_enclave_certificate_iam_role</code>	Associates an Identity and Access Management t
<code>associate_iam_instance_profile</code>	Associates an IAM instance profile with a runnin
<code>associate_instance_event_window</code>	Associates one or more targets with an event win
<code>associate_ipam_byoasn</code>	Associates your Autonomous System Number (A
<code>associate_ipam_resource_discovery</code>	Associates an IPAM resource discovery with an
<code>associate_nat_gateway_address</code>	Associates Elastic IP addresses (EIPs) and privat
<code>associate_route_server</code>	Associates a route server with a VPC to enable d
<code>associate_route_table</code>	Associates a subnet in your VPC or an internet g
<code>associate_security_group_vpc</code>	Associates a security group with another VPC in
<code>associate_subnet_cidr_block</code>	Associates a CIDR block with your subnet
<code>associate_transit_gateway_multicast_domain</code>	Associates the specified subnets and transit gatew
<code>associate_transit_gateway_policy_table</code>	Associates the specified transit gateway attachme
<code>associate_transit_gateway_route_table</code>	Associates the specified attachment with the spec
<code>associate_trunk_interface</code>	Associates a branch network interface with a tru
<code>associate_vpc_cidr_block</code>	Associates a CIDR block with your VPC
<code>attach_classic_link_vpc</code>	This action is deprecated
<code>attach_image_watermark</code>	Attaches a watermark to a non-public AMI
<code>attach_internet_gateway</code>	Attaches an internet gateway or a virtual private
<code>attach_network_interface</code>	Attaches a network interface to an instance
<code>attach_verified_access_trust_provider</code>	Attaches the specified Amazon Web Services Ve
<code>attach_volume</code>	Attaches an Amazon EBS volume to a running o
<code>attach_vpn_gateway</code>	Attaches an available virtual private gateway to a
<code>authorize_client_vpn_ingress</code>	Adds an ingress authorization rule to a Client VP
<code>authorize_security_group_egress</code>	Adds the specified outbound (egress) rules to a s
<code>authorize_security_group_ingress</code>	Adds the specified inbound (ingress) rules to a s
<code>batch_modify_ipam_routing_policy_registrations</code>	Modifies multiple routing policy registrations in
<code>bundle_instance</code>	Bundles an Amazon instance store-backed Wind
<code>cancel_bundle_task</code>	Cancels a bundling operation for an instance stor
<code>cancel_capacity_reservation</code>	Cancels the specified Capacity Reservation, relea
<code>cancel_capacity_reservation_fleets</code>	Cancels one or more Capacity Reservation Fleets
<code>cancel_conversion_task</code>	Cancels an active conversion task
<code>cancel_declarative_policies_report</code>	Cancels the generation of an account status repor
<code>cancel_export_task</code>	Cancels an active export task

cancel_image_launch_permission	Removes your Amazon Web Services account from the specified image launch permission
cancel_import_task	Cancels an in-process import virtual machine or container image
cancel_reserved_instances_listing	Cancels the specified Reserved Instance listing in the specified Availability Zone
cancel_spot_fleet_requests	Cancels the specified Spot Fleet requests
cancel_spot_instance_requests	Cancels one or more Spot Instance requests
confirm_product_instance	Determines whether a product code is associated with the specified Amazon Machine Image (AMI)
copy_fpga_image	Copies the specified Amazon FPGA Image (AFI) to the specified Amazon Web Services Region
copy_image	Initiates an AMI copy operation
copy_snapshot	Creates an exact copy of an Amazon EBS snapshot
copy_volumes	Creates a crash-consistent, point-in-time copy of an Amazon EBS volume
create_application_status_check	Creates an application status check for monitoring an Amazon EC2 instance
create_capacity_manager_data_export	Creates a new data export configuration for EC2 Capacity Manager
create_capacity_reservation	Creates a new Capacity Reservation with the specified parameters
create_capacity_reservation_by_splitting	Create a new Capacity Reservation by splitting the specified Capacity Reservation
create_capacity_reservation_cancellation_quote	Generates a cancellation quote for a future-dated Capacity Reservation
create_capacity_reservation_date_change_quote	Generates a quote for changing the start date of a Capacity Reservation
create_capacity_reservation_fleet	Creates a Capacity Reservation Fleet
create_carrier_gateway	Creates a carrier gateway
create_client_vpn_endpoint	Creates a Client VPN endpoint
create_client_vpn_route	Adds a route to a network to a Client VPN endpoint
create_coip_cidr	Creates a range of customer-owned IP addresses
create_coip_pool	Creates a pool of customer-owned IP (CoIP) addresses
create_customer_gateway	Provides information to Amazon Web Services about a customer gateway
create_default_subnet	Creates a default subnet with a size /20 IPv4 CIDR
create_default_vpc	Creates a default VPC with a size /16 IPv4 CIDR
create_delegate_mac_volume_ownership_task	Delegates ownership of the Amazon EBS root volume to the specified user
create_dhcp_options	Creates a custom set of DHCP options
create_egress_only_internet_gateway	[IPv6 only] Creates an egress-only internet gateway
create_fleet	Creates an EC2 Fleet that contains the configuration for a group of instances
create_flow_logs	Creates one or more flow logs to capture information about network traffic
create_fpga_image	Creates an Amazon FPGA Image (AFI) from the specified Amazon Machine Image (AMI)
create_image	Creates an Amazon EBS-backed AMI from an Amazon Machine Image (AMI)
create_image_usage_report	Creates a report that shows how your image is used
create_instance_connect_endpoint	Creates an EC2 Instance Connect Endpoint
create_instance_event_window	Creates an event window in which scheduled events can occur
create_instance_export_task	Exports a running or stopped instance to an Amazon S3 bucket
create_internet_gateway	Creates an internet gateway for use with a VPC
create_interruptible_capacity_reservation_allocation	Creates an interruptible Capacity Reservation by allocating the specified number of instances
create_ipam	Create an IPAM
create_ipam_external_resource_verification_token	Create a verification token
create_ipam_internet_registry_association	Creates an association between an IPAM and a Route 53 public hosted zone
create_ipam_policy	Creates an IPAM policy
create_ipam_pool	Create an IP address pool for Amazon VPC IP Address Management (IPAM)
create_ipam_prefix_list_resolver	Creates an IPAM prefix list resolver
create_ipam_prefix_list_resolver_target	Creates an IPAM prefix list resolver target
create_ipam_resource_discovery	Creates an IPAM resource discovery
create_ipam_routing_policy_registration	Creates a routing policy registration and publishes it to the specified Route 53 public hosted zone
create_ipam_scope	Create an IPAM scope

[create_key_pair](#)
[create_launch_template](#)
[create_launch_template_version](#)
[create_local_gateway_route](#)
[create_local_gateway_route_table](#)
[create_local_gateway_route_table_virtual_interface_group_association](#)
[create_local_gateway_route_table_vpc_association](#)
[create_local_gateway_virtual_interface](#)
[create_local_gateway_virtual_interface_group](#)
[create_mac_system_integrity_protection_modification_task](#)
[create_managed_prefix_list](#)
[create_nat_gateway](#)
[create_network_acl](#)
[create_network_acl_entry](#)
[create_network_insights_access_scope](#)
[create_network_insights_path](#)
[create_network_interface](#)
[create_network_interface_permission](#)
[create_placement_group](#)
[create_public_ipv4_pool](#)
[create_replace_root_volume_task](#)
[create_reserved_instances_listing](#)
[create_restore_image_task](#)
[create_route](#)
[create_route_server](#)
[create_route_server_endpoint](#)
[create_route_server_peer](#)
[create_route_table](#)
[create_secondary_network](#)
[create_secondary_subnet](#)
[create_security_group](#)
[create_snapshot](#)
[create_snapshots](#)
[create_spot_datafeed_subscription](#)
[create_store_image_task](#)
[create_subnet](#)
[create_subnet_cidr_reservation](#)
[create_tags](#)
[create_traffic_mirror_filter](#)
[create_traffic_mirror_filter_rule](#)
[create_traffic_mirror_session](#)
[create_traffic_mirror_target](#)
[create_transit_gateway](#)
[create_transit_gateway_connect](#)
[create_transit_gateway_connect_peer](#)
[create_transit_gateway_metering_policy](#)
[create_transit_gateway_metering_policy_entry](#)
[create_transit_gateway_multicast_domain](#)

Creates an ED25519 or 2048-bit RSA key pair with the specified name
 Creates a launch template
 Creates a new version of a launch template
 Creates a static route for the specified local gateway
 Creates a local gateway route table
 Creates a local gateway route table virtual interface group association
 Associates the specified VPC with the specified local gateway route table
 Create a virtual interface for a local gateway
 Create a local gateway virtual interface group
 Creates a System Integrity Protection (SIP) modification task
 Creates a managed prefix list
 Creates a NAT gateway in the specified subnet
 Creates a network ACL in a VPC
 Creates an entry (a rule) in a network ACL with the specified name and rule number
 Creates a Network Access Scope
 Creates a path to analyze for reachability
 Creates a network interface in the specified subnet
 Grants an Amazon Web Services-authorized account permission to create network interfaces in the specified VPC
 Creates a placement group in which to launch instances
 Creates a public IPv4 address pool
 Replaces the EBS-backed root volume for a running instance
 Creates a listing for Amazon EC2 Standard Reserved Instances
 Starts a task that restores an AMI from an Amazon S3 bucket
 Creates a route in a route table within a VPC
 Creates a new route server to manage dynamic routing
 Creates a new endpoint for a route server in a specified VPC
 Creates a new BGP peer for a specified route server
 Creates a route table for the specified VPC
 Creates a secondary network
 Creates a secondary subnet in a secondary network
 Creates a security group
 Creates a snapshot of an EBS volume and stores it in an Amazon S3 bucket
 Creates crash-consistent snapshots of multiple EBS volumes
 Creates a data feed for Spot Instances, enabling you to monitor Spot Instance activity
 Stores an AMI as a single object in an Amazon S3 bucket
 Creates a subnet in the specified VPC
 Creates a subnet CIDR reservation
 Adds or overwrites only the specified tags for the specified resource
 Creates a Traffic Mirror filter
 Creates a Traffic Mirror filter rule
 Creates a Traffic Mirror session
 Creates a target for your Traffic Mirror session
 Creates a transit gateway
 Creates a Connect attachment from a specified transit gateway
 Creates a Connect peer for a specified transit gateway
 Creates a metering policy for a transit gateway to track usage
 Creates an entry in a transit gateway metering policy
 Creates a multicast domain using the specified transit gateway

<code>create_transit_gateway_peering_attachment</code>	Requests a transit gateway peering attachment between two transit gateways
<code>create_transit_gateway_policy_table</code>	Creates a transit gateway policy table
<code>create_transit_gateway_policy_table_entry</code>	Creates an entry in a transit gateway policy table
<code>create_transit_gateway_prefix_list_reference</code>	Creates a reference (route) to a prefix list in a specified transit gateway
<code>create_transit_gateway_route</code>	Creates a static route for the specified transit gateway
<code>create_transit_gateway_route_table</code>	Creates a route table for the specified transit gateway
<code>create_transit_gateway_route_table_announcement</code>	Advertises a new transit gateway route table
<code>create_transit_gateway_vpc_attachment</code>	Attaches the specified VPC to the specified transit gateway
<code>create_verified_access_endpoint</code>	An Amazon Web Services Verified Access endpoint
<code>create_verified_access_group</code>	An Amazon Web Services Verified Access group
<code>create_verified_access_instance</code>	An Amazon Web Services Verified Access instance
<code>create_verified_access_trust_provider</code>	A trust provider is a third-party entity that creates and manages a group of users
<code>create_volume</code>	Creates an EBS volume that can be attached to an Amazon EC2 instance
<code>create_vpc</code>	Creates a VPC with the specified CIDR blocks
<code>create_vpc_block_public_access_exclusion</code>	Create a VPC Block Public Access (BPA) exclusion
<code>create_vpc_encryption_control</code>	Creates a VPC Encryption Control configuration
<code>create_vpc_endpoint</code>	Creates a VPC endpoint
<code>create_vpc_endpoint_connection_notification</code>	Creates a connection notification for a specified VPC endpoint
<code>create_vpc_endpoint_service_configuration</code>	Creates a VPC endpoint service to which service endpoints can be attached
<code>create_vpc_peering_connection</code>	Requests a VPC peering connection between two VPCs
<code>create_vpn_concentrator</code>	Creates a VPN concentrator that aggregates multiple VPN connections
<code>create_vpn_connection</code>	Creates a VPN connection between an existing VPC and a VPN concentrator
<code>create_vpn_connection_route</code>	Creates a static route associated with a VPN connection
<code>create_vpn_gateway</code>	Creates a virtual private gateway
<code>delete_application_status_check</code>	Deletes an application status check
<code>delete_capacity_manager_data_export</code>	Deletes an existing Capacity Manager data export
<code>delete_carrier_gateway</code>	Deletes a carrier gateway
<code>delete_client_vpn_endpoint</code>	Deletes the specified Client VPN endpoint
<code>delete_client_vpn_endpoint_authorization_policy</code>	Deletes the authorization policy for a Client VPN endpoint
<code>delete_client_vpn_route</code>	Deletes a route from a Client VPN endpoint
<code>delete_coip_cidr</code>	Deletes a range of customer-owned IP addresses
<code>delete_coip_pool</code>	Deletes a pool of customer-owned IP (CoIP) addresses
<code>delete_customer_gateway</code>	Deletes the specified customer gateway
<code>delete_dhcp_options</code>	Deletes the specified set of DHCP options
<code>delete_egress_only_internet_gateway</code>	Deletes an egress-only internet gateway
<code>delete_fleets</code>	Deletes the specified EC2 Fleet request
<code>delete_flow_logs</code>	Deletes one or more flow logs
<code>delete_fpga_image</code>	Deletes the specified Amazon FPGA Image (AFI)
<code>delete_image_usage_report</code>	Deletes the specified image usage report
<code>delete_instance_connect_endpoint</code>	Deletes the specified EC2 Instance Connect Endpoint
<code>delete_instance_event_window</code>	Deletes the specified event window
<code>delete_internet_gateway</code>	Deletes the specified internet gateway
<code>delete_ipam</code>	Delete an IPAM
<code>delete_ipam_external_resource_verification_token</code>	Delete a verification token
<code>delete_ipam_internet_registry_association</code>	Deletes an IPAM internet registry association
<code>delete_ipam_policy</code>	Deletes an IPAM policy
<code>delete_ipam_pool</code>	Delete an IPAM pool
<code>delete_ipam_prefix_list_resolver</code>	Deletes an IPAM prefix list resolver

[delete_ipam_prefix_list_resolver_target](#)
[delete_ipam_resource_discovery](#)
[delete_ipam_routing_policy_registration](#)
[delete_ipam_scope](#)
[delete_key_pair](#)
[delete_launch_template](#)
[delete_launch_template_versions](#)
[delete_local_gateway_route](#)
[delete_local_gateway_route_table](#)
[delete_local_gateway_route_table_virtual_interface_group_association](#)
[delete_local_gateway_route_table_vpc_association](#)
[delete_local_gateway_virtual_interface](#)
[delete_local_gateway_virtual_interface_group](#)
[delete_managed_prefix_list](#)
[delete_nat_gateway](#)
[delete_network_acl](#)
[delete_network_acl_entry](#)
[delete_network_insights_access_scope](#)
[delete_network_insights_access_scope_analysis](#)
[delete_network_insights_analysis](#)
[delete_network_insights_path](#)
[delete_network_interface](#)
[delete_network_interface_permission](#)
[delete_placement_group](#)
[delete_public_ipv4_pool](#)
[delete_queued_reserved_instances](#)
[delete_route](#)
[delete_route_server](#)
[delete_route_server_endpoint](#)
[delete_route_server_peer](#)
[delete_route_table](#)
[delete_secondary_network](#)
[delete_secondary_subnet](#)
[delete_security_group](#)
[delete_snapshot](#)
[delete_spot_datafeed_subscription](#)
[delete_subnet](#)
[delete_subnet_cidr_reservation](#)
[delete_tags](#)
[delete_traffic_mirror_filter](#)
[delete_traffic_mirror_filter_rule](#)
[delete_traffic_mirror_session](#)
[delete_traffic_mirror_target](#)
[delete_transit_gateway](#)
[delete_transit_gateway_client_vpn_attachment](#)
[delete_transit_gateway_connect](#)
[delete_transit_gateway_connect_peer](#)
[delete_transit_gateway_metering_policy](#)

Deletes an IPAM prefix list resolver target
 Deletes an IPAM resource discovery
 Deletes a routing policy registration for a specific IPAM scope
 Delete the scope for an IPAM
 Deletes the specified key pair, by removing the p
 Deletes a launch template
 Deletes one or more versions of a launch template
 Deletes the specified route from the specified local gateway route table
 Deletes a local gateway route table
 Deletes a local gateway route table virtual interface group association
 Deletes the specified association between a VPC and a local gateway route table
 Deletes the specified local gateway virtual interface
 Delete the specified local gateway interface group
 Deletes the specified managed prefix list
 Deletes the specified NAT gateway
 Deletes the specified network ACL
 Deletes the specified ingress or egress entry (rule) from a network ACL
 Deletes the specified Network Access Scope
 Deletes the specified Network Access Scope analysis
 Deletes the specified network insights analysis
 Deletes the specified path
 Deletes the specified network interface
 Deletes a permission for a network interface
 Deletes the specified placement group
 Delete a public IPv4 pool
 Deletes the queued purchases for the specified Reserved Instance
 Deletes the specified route from the specified route table
 Deletes the specified route server
 Deletes the specified route server endpoint
 Deletes the specified BGP peer from a route server
 Deletes the specified route table
 Deletes a secondary network
 Deletes a secondary subnet
 Deletes a security group
 Deletes the specified snapshot
 Deletes the data feed for Spot Instances
 Deletes the specified subnet
 Deletes a subnet CIDR reservation
 Deletes the specified set of tags from the specified resource
 Deletes the specified Traffic Mirror filter
 Deletes the specified Traffic Mirror rule
 Deletes the specified Traffic Mirror session
 Deletes the specified Traffic Mirror target
 Deletes the specified transit gateway
 Deletes a Transit Gateway attachment for a Client VPN
 Deletes the specified Connect attachment
 Deletes the specified Connect peer
 Deletes a transit gateway metering policy

delete_transit_gateway_metering_policy_entry	Deletes an entry from a transit gateway metering policy
delete_transit_gateway_multicast_domain	Deletes the specified transit gateway multicast domain
delete_transit_gateway_peering_attachment	Deletes a transit gateway peering attachment
delete_transit_gateway_policy_table	Deletes the specified transit gateway policy table
delete_transit_gateway_policy_table_entry	Deletes the specified transit gateway policy table entry
delete_transit_gateway_prefix_list_reference	Deletes a reference (route) to a prefix list in a specific transit gateway
delete_transit_gateway_route	Deletes the specified route from the specified transit gateway
delete_transit_gateway_route_table	Deletes the specified transit gateway route table
delete_transit_gateway_route_table_announcement	Advertises to the transit gateway that a transit gateway route table is available
delete_transit_gateway_vpc_attachment	Deletes the specified VPC attachment
delete_verified_access_endpoint	Delete an Amazon Web Services Verified Access endpoint
delete_verified_access_group	Delete an Amazon Web Services Verified Access group
delete_verified_access_instance	Delete an Amazon Web Services Verified Access instance
delete_verified_access_trust_provider	Delete an Amazon Web Services Verified Access trust provider
delete_volume	Deletes the specified EBS volume
delete_vpc	Deletes the specified VPC
delete_vpc_block_public_access_exclusion	Delete a VPC Block Public Access (BPA) exclusion
delete_vpc_encryption_control	Deletes a VPC Encryption Control configuration
delete_vpc_endpoint_connection_notifications	Deletes the specified VPC endpoint connection notifications
delete_vpc_endpoints	Deletes the specified VPC endpoints
delete_vpc_endpoint_service_configurations	Deletes the specified VPC endpoint service configurations
delete_vpc_peering_connection	Deletes a VPC peering connection
delete_vpn_concentrator	Deletes the specified VPN concentrator
delete_vpn_connection	Deletes the specified VPN connection
delete_vpn_connection_route	Deletes the specified static route associated with a VPN connection
delete_vpn_gateway	Deletes the specified virtual private gateway
deprovision_byoip_cidr	Releases the specified address range that you provisioned with Bring Your Own IP (BYOIP)
deprovision_ipam_byoasn	Deprovisions your Autonomous System Number (ASN) from IP Address Management (IPAM)
deprovision_ipam_pool_cidr	Deprovision a CIDR provisioned from an IP Address Management (IPAM) pool
deprovision_public_ipv4_pool_cidr	Deprovision a CIDR from a public IPv4 pool
deregister_image	Deregisters the specified AMI
deregister_instance_event_notification_attributes	Deregisters tag keys to prevent tags that have the specified attributes
deregister_transit_gateway_multicast_group_members	Deregisters the specified members (network interfaces) from a transit gateway multicast group
deregister_transit_gateway_multicast_group_sources	Deregisters the specified sources (network interfaces) from a transit gateway multicast group
describe_account_attributes	Describes attributes of your Amazon Web Services account
describe_account_vpc_encryption_control	Describes the account-level VPC Encryption Control configuration
describe_addresses	Describes the specified Elastic IP addresses or all of your Elastic IP addresses
describe_addresses_attribute	Describes the attributes of the specified Elastic IP address
describe_address_transfers	Describes an Elastic IP address transfer
describe_aggregate_id_format	Describes the longer ID format settings for all regions
describe_application_status	Describes the aggregated application health status
describe_application_status_check_associations	Describes the associations for one or more application status checks
describe_application_status_checks	Describes application status checks, including custom checks
describe_availability_zones	Describes the Availability Zones, Local Zones, and Outposts in a region
describe_aws_network_performance_metric_subscriptions	Describes the current Infrastructure Performance Metrics subscriptions
describe_bundle_tasks	Describes the specified bundle tasks or all of your bundle tasks
describe_byoip_cidrs	Describes the IP address ranges that were provisioned with Bring Your Own IP (BYOIP)
describe_capacity_block_extension_history	Describes the events for the specified Capacity Block Extension

[describe_capacity_block_extension_offerings](#)
[describe_capacity_block_offerings](#)
[describe_capacity_blocks](#)
[describe_capacity_block_status](#)
[describe_capacity_manager_data_exports](#)
[describe_capacity_reservation_billing_requests](#)
[describe_capacity_reservation_cancellation_quotes](#)
[describe_capacity_reservation_date_change_quotes](#)
[describe_capacity_reservation_fleets](#)
[describe_capacity_reservations](#)
[describe_capacity_reservation_topology](#)
[describe_carrier_gateways](#)
[describe_classic_link_instances](#)
[describe_client_vpn_authorization_rules](#)
[describe_client_vpn_connections](#)
[describe_client_vpn_endpoints](#)
[describe_client_vpn_routes](#)
[describe_client_vpn_target_networks](#)
[describe_coip_pools](#)
[describe_conversion_tasks](#)
[describe_customer_gateways](#)
[describe_declarative_policies_reports](#)
[describe_dhcp_options](#)
[describe_egress_only_internet_gateways](#)
[describe_elastic_gpus](#)
[describe_export_image_tasks](#)
[describe_export_tasks](#)
[describe_fast_launch_images](#)
[describe_fast_snapshot_restores](#)
[describe_fleet_history](#)
[describe_fleet_instances](#)
[describe_fleets](#)
[describe_flow_logs](#)
[describe_fpga_image_attribute](#)
[describe_fpga_images](#)
[describe_host_reservation_offerings](#)
[describe_host_reservations](#)
[describe_hosts](#)
[describe_iam_instance_profile_associations](#)
[describe_identity_id_format](#)
[describe_id_format](#)
[describe_image_attribute](#)
[describe_image_references](#)
[describe_images](#)
[describe_image_usage_report_entries](#)
[describe_image_usage_reports](#)
[describe_import_image_tasks](#)
[describe_import_snapshot_tasks](#)

Describes Capacity Block extension offerings available for the specified Amazon EC2 region.
 Describes Capacity Block offerings available for the specified Amazon EC2 region.
 Describes details about Capacity Blocks in the specified Amazon EC2 region.
 Describes the availability of capacity for the specified Amazon EC2 region.
 Describes one or more Capacity Manager data exports.
 Describes a request to assign the billing of the unreserved capacity reservation.
 Describes one or more Capacity Reservation cancellation quotes.
 Describes one or more Capacity Reservation date change quotes.
 Describes one or more Capacity Reservation Fleets.
 Describes one or more of your Capacity Reservations.
 Describes a tree-based hierarchy that represents the topology of a Capacity Reservation.
 Describes one or more of your carrier gateways.
 This action is deprecated.
 Describes the authorization rules for a specified Client VPN connection.
 Describes active client connections and connections in the specified Client VPN connection.
 Describes one or more Client VPN endpoints in the specified Client VPN connection.
 Describes the routes for the specified Client VPN connection.
 Describes the target networks associated with the specified Client VPN connection.
 Describes the specified customer-owned address pools.
 Describes the specified conversion tasks or all your conversion tasks.
 Describes one or more of your VPN customer gateways.
 Describes the metadata of an account status report.
 Describes your DHCP option sets.
 Describes your egress-only internet gateways.
 Amazon Elastic Graphics reached end of life on 15 January 2025. For more information, see [Amazon Elastic Graphics End of Life](#).
 Describes the specified export image tasks or all your export image tasks.
 Describes the specified export instance tasks or all your export instance tasks.
 Describe details for Windows AMIs that are compatible with Windows Server 2019.
 Describes the state of fast snapshot restores for your specified Amazon EC2 instances.
 Describes the events for the specified EC2 Fleet.
 Describes the running instances for the specified EC2 Fleet.
 Describes the specified EC2 Fleet or all of your EC2 Fleets.
 Describes one or more flow logs.
 Describes the specified attribute of the specified Amazon FPGA Image (AFI).
 Describes the Amazon FPGA Images (AFIs) available in the specified Amazon EC2 region.
 Describes the Dedicated Host reservations that are associated with the specified Amazon EC2 region.
 Describes reservations that are associated with Dedicated Hosts.
 Describes the specified Dedicated Hosts or all your Dedicated Hosts.
 Describes your IAM instance profile associations.
 Describes the ID format settings for resources for the specified Amazon EC2 region.
 Describes the ID format settings for your resources.
 Describes the specified attribute of the specified Amazon Web Services resource.
 Describes your Amazon Web Services resources.
 Describes the specified images (AMIs, AKIs, and S3 images).
 Describes the entries in image usage reports, showing the number of times each image is used.
 Describes the configuration and status of image usage reports.
 Displays details about an import virtual machine image task.
 Describes your import snapshot tasks.

describe_instance_attribute	Describes the specified attribute of the specified
describe_instance_connect_endpoints	Describes the specified EC2 Instance Connect Endpoints
describe_instance_credit_specifications	Describes the credit option for CPU usage of the
describe_instance_event_notification_attributes	Describes the tag keys that are registered to appear
describe_instance_event_windows	Describes the specified event windows or all event
describe_instance_image_metadata	Describes the AMI that was used to launch an instance
describe_instances	Describes the specified instances or all instances
describe_instance_sql_ha_history_states	Describes the historical SQL Server High Availability
describe_instance_sql_ha_states	Describes the SQL Server High Availability state
describe_instance_status	Describes the status of the specified instances or
describe_instance_topology	Describes a tree-based hierarchy that represents the
describe_instance_type_offerings	Lists the instance types that are offered for the specified
describe_instance_types	Describes the specified instance types
describe_internet_gateways	Describes your internet gateways
describe_ipam_byoasn	Describes your Autonomous System Numbers (ASNs)
describe_ipam_external_resource_verification_tokens	Describe verification tokens
describe_ipam_internet_registry_associations	Describes one or more IPAM internet registry associations
describe_ipam_policies	Describes one or more IPAM policies
describe_ipam_pool_allocations	Describes IPAM pool allocations
describe_ipam_pools	Get information about your IPAM pools
describe_ipam_prefix_list_resolvers	Describes one or more IPAM prefix list resolvers
describe_ipam_prefix_list_resolver_targets	Describes one or more IPAM prefix list resolver targets
describe_ipam_resource_discoveries	Describes IPAM resource discoveries
describe_ipam_resource_discovery_associations	Describes resource discovery association with an
describe_ipams	Get information about your IPAM pools
describe_ipam_scopes	Get information about your IPAM scopes
describe_ipv6_pools	Describes your IPv6 address pools
describe_key_pairs	Describes the specified key pairs or all of your key
describe_launch_templates	Describes one or more launch templates
describe_launch_template_versions	Describes one or more versions of a specified launch
describe_local_gateway_route_tables	Describes one or more local gateway route tables
describe_local_gateway_route_table_virtual_interface_group_associations	Describes the associations between virtual interfaces
describe_local_gateway_route_table_vpc_associations	Describes the specified associations between VPCs
describe_local_gateways	Describes one or more local gateways
describe_local_gateway_virtual_interface_groups	Describes the specified local gateway virtual interface
describe_local_gateway_virtual_interfaces	Describes the specified local gateway virtual interfaces
describe_locked_snapshots	Describes the lock status for a snapshot
describe_mac_hosts	Describes the specified EC2 Mac Dedicated Hosts
describe_mac_modification_tasks	Describes a System Integrity Protection (SIP) modification
describe_managed_prefix_lists	Describes your managed prefix lists and any Amazon
describe_moving_addresses	This action is deprecated
describe_nat_gateways	Describes your NAT gateways
describe_network_acls	Describes your network ACLs
describe_network_insights_access_scope_analyses	Describes the specified Network Access Scope analyses
describe_network_insights_access_scopes	Describes the specified Network Access Scopes
describe_network_insights_analyses	Describes one or more of your network insights analyses
describe_network_insights_paths	Describes one or more of your paths
describe_network_interface_attribute	Describes a network interface attribute

[describe_network_interface_permissions](#)
[describe_network_interfaces](#)
[describe_outpost_lags](#)
[describe_placement_groups](#)
[describe_prefix_lists](#)
[describe_principal_id_format](#)
[describe_public_ipv4_pools](#)
[describe_regions](#)
[describe_replace_root_volume_tasks](#)
[describe_reserved_instances](#)
[describe_reserved_instances_listings](#)
[describe_reserved_instances_modifications](#)
[describe_reserved_instances_offerings](#)
[describe_route_server_endpoints](#)
[describe_route_server_peers](#)
[describe_route_servers](#)
[describe_route_tables](#)
[describe_scheduled_instance_availability](#)
[describe_scheduled_instances](#)
[describe_secondary_interfaces](#)
[describe_secondary_networks](#)
[describe_secondary_subnets](#)
[describe_security_group_references](#)
[describe_security_group_rules](#)
[describe_security_groups](#)
[describe_security_group_vpc_associations](#)
[describe_service_link_virtual_interfaces](#)
[describe_snapshot_attribute](#)
[describe_snapshots](#)
[describe_snapshot_tier_status](#)
[describe_spot_datafeed_subscription](#)
[describe_spot_fleet_instances](#)
[describe_spot_fleet_request_history](#)
[describe_spot_fleet_requests](#)
[describe_spot_instance_requests](#)
[describe_spot_price_history](#)
[describe_stale_security_groups](#)
[describe_store_image_tasks](#)
[describe_subnets](#)
[describe_tags](#)
[describe_traffic_mirror_filter_rules](#)
[describe_traffic_mirror_filters](#)
[describe_traffic_mirror_sessions](#)
[describe_traffic_mirror_targets](#)
[describe_transit_gateway_attachments](#)
[describe_transit_gateway_connect_peers](#)
[describe_transit_gateway_connects](#)
[describe_transit_gateway_metering_policies](#)

Describes the permissions for your network interface
 Describes the specified network interfaces or all network interfaces
 Describes the Outposts link aggregation groups (LAGs)
 Describes the specified placement groups or all placement groups
 Describes available Amazon Web Services services in the specified region
 Describes the ID format settings for the root user
 Describes the specified IPv4 address pools
 Describes the Regions that are enabled for your account
 Describes a root volume replacement task
 Describes one or more of the Reserved Instances
 Describes your account's Reserved Instance listings
 Describes the modifications made to your Reserved Instances
 Describes Reserved Instance offerings that are available in the specified region
 Describes one or more route server endpoints
 Describes one or more route server peers
 Describes one or more route servers
 Describes one or more route tables
 Describes your route tables
 Finds available schedules that meet the specified criteria
 Describes the specified Scheduled Instances or all Scheduled Instances
 Describes one or more of your secondary interfaces
 Describes one or more secondary networks
 Describes one or more of your secondary subnets
 Describes the VPCs on the other side of a VPC peering connection
 Describes one or more of your security group rules
 Describes the specified security groups or all of your security groups
 Describes security group VPC associations made in the specified region
 Describes the Outpost service link virtual interfaces
 Describes the specified attribute of the specified snapshot
 Describes the specified EBS snapshots available in the specified region
 Describes the storage tier status of one or more Amazon EBS volumes
 Describes the data feed for Spot Instances
 Describes the running instances for the specified Spot Fleet request
 Describes the events for the specified Spot Fleet request
 Describes your Spot Fleet requests
 Describes the specified Spot Instance requests
 Describes the Spot price history
 Describes the stale security group rules for security groups
 Describes the progress of the AMI store tasks
 Describes your subnets
 Describes the specified tags for your EC2 resources
 Describe traffic mirror filters that determine the traffic to be mirrored
 Describes one or more Traffic Mirror filters
 Describes one or more Traffic Mirror sessions
 Information about one or more Traffic Mirror targets
 Describes one or more attachments between resources
 Describes one or more Connect peers
 Describes one or more Connect attachments
 Describes one or more transit gateway metering policies

describe_transit_gateway_multicast_domains	Describes one or more transit gateway multicast domains
describe_transit_gateway_peering_attachments	Describes your transit gateway peering attachments
describe_transit_gateway_policy_tables	Describes one or more transit gateway route policy tables
describe_transit_gateway_route_table_announcements	Describes one or more transit gateway route table announcements
describe_transit_gateway_route_tables	Describes one or more transit gateway route tables
describe_transit_gateways	Describes one or more transit gateways
describe_transit_gateway_vpc_attachments	Describes one or more VPC attachments
describe_trunk_interface_associations	Describes one or more network interface trunk associations
describe_verified_access_endpoints	Describes the specified Amazon Web Services Verified Access endpoints
describe_verified_access_groups	Describes the specified Verified Access groups
describe_verified_access_instance_logging_configurations	Describes the specified Amazon Web Services Verified Access instance logging configurations
describe_verified_access_instances	Describes the specified Amazon Web Services Verified Access instances
describe_verified_access_trust_providers	Describes the specified Amazon Web Services Verified Access trust providers
describe_volume_attribute	Describes the specified attribute of the specified EBS volume
describe_volumes	Describes the specified EBS volumes or all of your EBS volumes
describe_volumes_modifications	Describes the most recent volume modification results
describe_volume_status	Describes the status of the specified volumes
describe_vpc_attribute	Describes the specified attribute of the specified VPC
describe_vpc_block_public_access_exclusions	Describe VPC Block Public Access (BPA) exclusions
describe_vpc_block_public_access_options	Describe VPC Block Public Access (BPA) options
describe_vpc_classic_link	This action is deprecated
describe_vpc_classic_link_dns_support	This action is deprecated
describe_vpc_encryption_controls	Describes one or more VPC Encryption Controls
describe_vpc_endpoint_associations	Describes the VPC resources, VPC endpoint service, and VPC endpoint connections
describe_vpc_endpoint_connection_notifications	Describes the connection notifications for VPC endpoints
describe_vpc_endpoint_connections	Describes the VPC endpoint connections to your VPC
describe_vpc_endpoints	Describes your VPC endpoints
describe_vpc_endpoint_service_configurations	Describes the VPC endpoint service configurations
describe_vpc_endpoint_service_permissions	Describes the principals (service consumers) that are authorized to use the VPC endpoint service
describe_vpc_endpoint_services	Describes available services to which you can create VPC endpoints
describe_vpc_peering_connections	Describes your VPC peering connections
describe_vpcs	Describes your VPCs
describe_vpn_concentrators	Describes one or more of your VPN concentrators
describe_vpn_connections	Describes one or more of your VPN connections
describe_vpn_gateways	Describes one or more of your virtual private gateways
detach_classic_link_vpc	This action is deprecated
detach_image_watermark	Removes a watermark from the specified AMI
detach_internet_gateway	Detaches an internet gateway from a VPC, disabling it
detach_network_interface	Detaches a network interface from an instance
detach_verified_access_trust_provider	Detaches the specified Amazon Web Services Verified Access trust provider
detach_volume	Detaches an EBS volume from an instance
detach_vpn_gateway	Detaches a virtual private gateway from a VPC
disable_address_transfer	Disables Elastic IP address transfer
disable_allowed_images_settings	Disables Allowed AMIs for your account in the specified region
disable_application_status_check_suppression	Disables suppression of application status checks
disable_aws_network_performance_metric_subscription	Disables Infrastructure Performance metric subscription
disable_capacity_manager	Disables EC2 Capacity Manager for your account
disable_ebs_encryption_by_default	Disables EBS encryption by default for your account

<code>disable_fast_launch</code>	Discontinue Windows fast launch for a Windows
<code>disable_fast_snapshot_restores</code>	Disables fast snapshot restores for the specified s
<code>disable_image</code>	Sets the AMI state to disabled and removes all la
<code>disable_image_block_public_access</code>	Disables block public access for AMIs at the acc
<code>disable_image_deprecation</code>	Cancels the deprecation of the specified AMI
<code>disable_image_deregistration_protection</code>	Disables deregistration protection for an AMI
<code>disable_instance_sql_ha_standby_detections</code>	Disable Amazon EC2 instances running in an SQ
<code>disable_ipam_organization_admin_account</code>	Disable the IPAM account
<code>disable_ipam_policy</code>	Disables an IPAM policy
<code>disable_route_server_propagation</code>	Disables route propagation from a route server to
<code>disable_serial_console_access</code>	Disables access to the EC2 serial console of all in
<code>disable_snapshot_block_public_access</code>	Disables the block public access for snapshots se
<code>disable_transit_gateway_route_table_propagation</code>	Disables the specified resource attachment from
<code>disable_vgw_route_propagation</code>	Disables a virtual private gateway (VGW) from p
<code>disable_vpc_classic_link</code>	This action is deprecated
<code>disable_vpc_classic_link_dns_support</code>	This action is deprecated
<code>disassociate_address</code>	Disassociates an Elastic IP address from the insta
<code>disassociate_application_status_check</code>	Disassociates an application status check from in
<code>disassociate_capacity_reservation_billing_owner</code>	Cancels a pending request to assign billing of the
<code>disassociate_client_vpn_target_network</code>	Disassociates a target network from the specified
<code>disassociate_enclave_certificate_iam_role</code>	Disassociates an IAM role from an Certificate M
<code>disassociate_iam_instance_profile</code>	Disassociates an IAM instance profile from a run
<code>disassociate_instance_event_window</code>	Disassociates one or more targets from an event
<code>disassociate_ipam_byoasn</code>	Remove the association between your Autonomo
<code>disassociate_ipam_resource_discovery</code>	Disassociates a resource discovery from an Ama
<code>disassociate_nat_gateway_address</code>	Disassociates secondary Elastic IP addresses (EI
<code>disassociate_route_server</code>	Disassociates a route server from a VPC
<code>disassociate_route_table</code>	Disassociates a subnet or gateway from a route ta
<code>disassociate_security_group_vpc</code>	Disassociates a security group from a VPC
<code>disassociate_subnet_cidr_block</code>	Disassociates a CIDR block from a subnet
<code>disassociate_transit_gateway_multicast_domain</code>	Disassociates the specified subnets from the trans
<code>disassociate_transit_gateway_policy_table</code>	Removes the association between an an attachme
<code>disassociate_transit_gateway_route_table</code>	Disassociates a resource attachment from a trans
<code>disassociate_trunk_interface</code>	Removes an association between a branch netwo
<code>disassociate_vpc_cidr_block</code>	Disassociates a CIDR block from a VPC
<code>enable_address_transfer</code>	Enables Elastic IP address transfer
<code>enable_allowed_images_settings</code>	Enables Allowed AMIs for your account in the s
<code>enable_application_status_check_suppression</code>	Suppresses application status checks for the spec
<code>enable_aws_network_performance_metric_subscription</code>	Enables Infrastructure Performance subscriptions
<code>enable_capacity_manager</code>	Enables EC2 Capacity Manager for your account
<code>enable_ebs_encryption_by_default</code>	Enables EBS encryption by default for your acco
<code>enable_fast_launch</code>	When you enable Windows fast launch for a Win
<code>enable_fast_snapshot_restores</code>	Enables fast snapshot restores for the specified s
<code>enable_image</code>	Re-enables a disabled AMI
<code>enable_image_block_public_access</code>	Enables block public access for AMIs at the acco
<code>enable_image_deprecation</code>	Enables deprecation of the specified AMI at the s
<code>enable_image_deregistration_protection</code>	Enables deregistration protection for an AMI
<code>enable_instance_sql_ha_standby_detections</code>	Enable Amazon EC2 instances running in an SQ

enable_ipam_internet_registry_association
 enable_ipam_organization_admin_account
 enable_ipam_policy
 enable_reachability_analyzer_organization_sharing
 enable_route_server_propagation
 enable_serial_console_access
 enable_snapshot_block_public_access
 enable_transit_gateway_route_table_propagation
 enable_vgw_route_propagation
 enable_volume_io
 enable_vpc_classic_link
 enable_vpc_classic_link_dns_support
 export_client_vpn_client_certificate_revocation_list
 export_client_vpn_client_configuration
 export_image
 export_transit_gateway_routes
 export_verified_access_instance_client_configuration
 get_active_vpn_tunnel_status
 get_allowed_images_settings
 get_associated_enclave_certificate_iam_roles
 get_associated_ipv_6_pool_cidrs
 get_aws_network_performance_data
 get_capacity_manager_attributes
 get_capacity_manager_metric_data
 get_capacity_manager_metric_dimensions
 get_capacity_manager_monitored_tag_keys
 get_capacity_reservation_usage
 get_client_vpn_endpoint_authorization_policy
 get_coip_pool_usage
 get_console_output
 get_console_screenshot
 get_declarative_policies_report_summary
 get_default_credit_specification
 get_ebs_default_kms_key_id
 get_ebs_encryption_by_default
 get_enabled_ipam_policy
 get_flow_logs_integration_template
 get_groups_for_capacity_reservation
 get_host_reservation_purchase_preview
 get_image_ancestry
 get_image_block_public_access_state
 get_instance_metadata_defaults
 get_instance_tpm_ek_public_key
 get_instance_types_from_instance_requirements
 get_instance_uefi_data
 get_ipam_address_history
 get_ipam_discovered_accounts
 get_ipam_discovered_public_addresses

Enables Resource Public Key Infrastructure (RPKI)
 Enable an Organizations member account as the
 Enables an IPAM policy
 Establishes a trust relationship between Reachability
 Defines which route tables the route server can u
 Enables access to the EC2 serial console of all in
 Enables or modifies the block public access for s
 Enables the specified attachment to propagate rou
 Enables a virtual private gateway (VGW) to prop
 Enables I/O operations for a volume that had I/O
 This action is deprecated
 This action is deprecated
 Downloads the client certificate revocation list fo
 Downloads the contents of the Client VPN endpo
 Exports an Amazon Machine Image (AMI) to a V
 Exports routes from the specified transit gateway
 Exports the client configuration for a Verified Ac
 Returns the currently negotiated security paramet
 Gets the current state of the Allowed AMIs settin
 Returns the IAM roles that are associated with th
 Gets information about the IPv6 CIDR block ass
 Gets network performance data
 Retrieves the current configuration and status of
 Retrieves capacity usage metrics for your EC2 re
 Retrieves the available dimension values for capa
 Retrieves the tag keys that are currently being m
 Gets usage information about a Capacity Reserv
 Describes the authorization policy for a Client V
 Describes the allocations from the specified custo
 Gets the console output for the specified instance
 Retrieve a JPG-format screenshot of a running in
 Retrieves a summary of the account status report
 Describes the default credit option for CPU usag
 Describes the default KMS key for EBS encrypti
 Describes whether EBS encryption by default is
 Gets the enabled IPAM policy
 Generates a CloudFormation template that strean
 Lists the resource groups to which a Capacity Re
 Preview a reservation purchase with configuratio
 Retrieves the ancestry chain of the specified AM
 Gets the current state of block public access for
 Gets the default instance metadata service (IMDS)
 Gets the public endorsement key associated with
 Returns a list of instance types with the specified
 A binary representation of the UEFI variable stor
 Retrieve historical information about a CIDR wit
 Gets IPAM discovered accounts
 Gets the public IP addresses that have been disco

[get_ipam_discovered_resource_cidrs](#)
[get_ipam_discovered_routes](#)
[get_ipam_internet_registry_association_asns](#)
[get_ipam_internet_registry_association_cidrs](#)
[get_ipam_policy_allocation_rules](#)
[get_ipam_policy_organization_targets](#)
[get_ipam_pool_allocations](#)
[get_ipam_pool_cidrs](#)
[get_ipam_prefix_list_resolver_rules](#)
[get_ipam_prefix_list_resolver_version_entries](#)
[get_ipam_prefix_list_resolver_versions](#)
[get_ipam_resource_cidrs](#)
[get_ipam_route_origin_authorizations](#)
[get_ipam_route_protection_findings](#)
[get_ipam_routing_policy_registration_deltas](#)
[get_ipam_routing_policy_registrations](#)
[get_launch_template_data](#)
[get_managed_prefix_list_associations](#)
[get_managed_prefix_list_entries](#)
[get_managed_resource_visibility](#)
[get_network_insights_access_scope_analysis_findings](#)
[get_network_insights_access_scope_content](#)
[get_password_data](#)
[get_reserved_instances_exchange_quote](#)
[get_route_server_associations](#)
[get_route_server_propagations](#)
[get_route_server_routing_database](#)
[get_security_groups_for_vpc](#)
[get_serial_console_access_status](#)
[get_snapshot_block_public_access_state](#)
[get_spot_placement_scores](#)
[get_subnet_cidr_reservations](#)
[get_transit_gateway_attachment_propagations](#)
[get_transit_gateway_metering_policy_entries](#)
[get_transit_gateway_multicast_domain_associations](#)
[get_transit_gateway_policy_table_associations](#)
[get_transit_gateway_policy_table_entries](#)
[get_transit_gateway_prefix_list_references](#)
[get_transit_gateway_route_table_associations](#)
[get_transit_gateway_route_table_propagations](#)
[get_verified_access_endpoint_policy](#)
[get_verified_access_endpoint_targets](#)
[get_verified_access_group_policy](#)
[get_vpc_resources_blocking_encryption_enforcement](#)
[get_vpn_connection_device_sample_configuration](#)
[get_vpn_connection_device_types](#)
[get_vpn_tunnel_replacement_status](#)
[import_client_vpn_client_certificate_revocation_list](#)

Returns the resource CIDRs that are monitored a
 Retrieves Border Gateway Protocol (BGP) routes
 Retrieves Autonomous System Numbers (ASNs)
 Retrieves IP address CIDRs registered with an in
 Gets the allocation rules for an IPAM policy
 Gets the Amazon Web Services Organizations ta
 Get a list of all the CIDR allocations in an IPAM
 Get the CIDRs provisioned to an IPAM pool
 Retrieves the CIDR selection rules for an IPAM p
 Retrieves the CIDR entries for a specific version
 Retrieves version information for an IPAM prefix
 Returns resource CIDRs managed by IPAM in a
 Retrieves the current Route Origin Authorizatio
 Retrieves route protection findings for an IPAM
 Retrieves the history of routing policy registratio
 Retrieves routing policy registrations for an IPAM
 Retrieves the configuration data of the specified i
 Gets information about the resources that are ass
 Gets information about the entries for a specified
 Retrieves the managed resource visibility configu
 Gets the findings for the specified Network Acces
 Gets the content for the specified Network Acces
 Retrieves the encrypted administrator password f
 Returns a quote and exchange information for ex
 Gets information about the associations for the sp
 Gets information about the route propagations fo
 Gets the routing database for the specified route
 Gets security groups that can be associated by th
 Retrieves the access status of your account to the
 Gets the current state of block public access for s
 Calculates the Spot placement score for a Region
 Gets information about the subnet CIDR reservat
 Lists the route tables to which the specified resou
 Retrieves the entries for a transit gateway meterin
 Gets information about the associations for the tr
 Gets a list of the transit gateway policy table asso
 Returns a list of transit gateway policy table entr
 Gets information about the prefix list references
 Gets information about the associations for the sp
 Gets information about the route table propagatio
 Get the Verified Access policy associated with th
 Gets the targets for the specified network CIDR c
 Shows the contents of the Verified Access policy
 Gets information about resources in a VPC that a
 Download an Amazon Web Services-provided sa
 Obtain a list of customer gateway devices for wh
 Get details of available tunnel endpoint maintenanc
 Uploads a client certificate revocation list to the s

import_image
 import_instance
 import_key_pair
 import_snapshot
 import_volume
 list_images_in_recycle_bin
 list_snapshots_in_recycle_bin
 list_volumes_in_recycle_bin
 lock_snapshot
 modify_account_vpc_encryption_control
 modify_address_attribute
 modify_application_status_check
 modify_availability_zone_group
 modify_capacity_reservation
 modify_capacity_reservation_fleet
 modify_client_vpn_endpoint
 modify_client_vpn_endpoint_authorization_policy
 modify_default_credit_specification
 modify_ebs_default_kms_key_id
 modify_fleet
 modify_fpga_image_attribute
 modify_hosts
 modify_identity_id_format
 modify_id_format
 modify_image_attribute
 modify_instance_attribute
 modify_instance_capacity_reservation_attributes
 modify_instance_connect_endpoint
 modify_instance_cpu_options
 modify_instance_credit_specification
 modify_instance_event_start_time
 modify_instance_event_window
 modify_instance_maintenance_options
 modify_instance_metadata_defaults
 modify_instance_metadata_options
 modify_instance_network_performance_options
 modify_instance_placement
 modify_ipam
 modify_ipam_policy_allocation_rules
 modify_ipam_pool
 modify_ipam_pool_allocation
 modify_ipam_prefix_list_resolver
 modify_ipam_prefix_list_resolver_target
 modify_ipam_resource_cidr
 modify_ipam_resource_discovery
 modify_ipam_routing_policy_registration
 modify_ipam_scope
 modify_launch_template

To import your virtual machines (VMs) with a co
 We recommend that you use the ImportImage API
 Imports the public key from an RSA or ED25519
 Imports a disk into an EBS snapshot
 This API action supports only single-volume VM
 Lists one or more AMIs that are currently in the
 Lists one or more snapshots that are currently in
 Lists one or more volumes that are currently in th
 Locks an Amazon EBS snapshot in either govern
 Modifies the account-level VPC Encryption Con
 Modifies an attribute of the specified Elastic IP a
 Modifies an existing application status check
 Changes the opt-in status of the specified zone gr
 Modifies a Capacity Reservation's capacity, insta
 Modifies a Capacity Reservation Fleet
 Modifies the specified Client VPN endpoint
 Creates or updates the authorization policy for a
 Modifies the default credit option for CPU usage
 Changes the default KMS key for EBS encryption
 Modifies the specified EC2 Fleet
 Modifies the specified attribute of the specified A
 Modify the auto-placement setting of a Dedicated
 Modifies the ID format of a resource for a specif
 Modifies the ID format for the specified resource
 Modifies the specified attribute of the specified A
 Modifies the specified attribute of the specified in
 Modifies the Capacity Reservation settings for a
 Modifies the specified EC2 Instance Connect End
 By default, all vCPUs for the instance type are ac
 Modifies the credit option for CPU usage on a ru
 Modifies the start time for a scheduled Amazon I
 Modifies the specified event window
 Modifies the recovery behavior of your instance
 Modifies the default instance metadata service (I
 Modify the instance metadata parameters on a ru
 Change the configuration of the network perform
 Modifies the placement attributes for a specified
 Modify the configurations of an IPAM
 Modifies the allocation rules in an IPAM policy
 Modify the configurations of an IPAM pool
 Modifies the description of an IPAM pool allocat
 Modifies an IPAM prefix list resolver
 Modifies an IPAM prefix list resolver target
 Modify a resource CIDR
 Modifies a resource discovery
 Modifies an existing routing policy registration
 Modify an IPAM scope
 Modifies a launch template

[modify_local_gateway_route](#)
[modify_managed_prefix_list](#)
[modify_managed_resource_visibility](#)
[modify_network_interface_attribute](#)
[modify_private_dns_name_options](#)
[modify_public_ip_dns_name_options](#)
[modify_reserved_instances](#)
[modify_route_server](#)
[modify_security_group_rules](#)
[modify_snapshot_attribute](#)
[modify_snapshot_tier](#)
[modify_spot_fleet_request](#)
[modify_subnet_attribute](#)
[modify_traffic_mirror_filter_network_services](#)
[modify_traffic_mirror_filter_rule](#)
[modify_traffic_mirror_session](#)
[modify_transit_gateway](#)
[modify_transit_gateway_metering_policy](#)
[modify_transit_gateway_policy_table_entry](#)
[modify_transit_gateway_prefix_list_reference](#)
[modify_transit_gateway_vpc_attachment](#)
[modify_verified_access_endpoint](#)
[modify_verified_access_endpoint_policy](#)
[modify_verified_access_group](#)
[modify_verified_access_group_policy](#)
[modify_verified_access_instance](#)
[modify_verified_access_instance_logging_configuration](#)
[modify_verified_access_trust_provider](#)
[modify_volume](#)
[modify_volume_attribute](#)
[modify_vpc_attribute](#)
[modify_vpc_block_public_access_exclusion](#)
[modify_vpc_block_public_access_options](#)
[modify_vpc_encryption_control](#)
[modify_vpc_endpoint](#)
[modify_vpc_endpoint_connection_notification](#)
[modify_vpc_endpoint_payer_responsibility](#)
[modify_vpc_endpoint_service_configuration](#)
[modify_vpc_endpoint_service_payer_responsibility](#)
[modify_vpc_endpoint_service_permissions](#)
[modify_vpc_peering_connection_options](#)
[modify_vpc_tenancy](#)
[modify_vpn_connection](#)
[modify_vpn_connection_options](#)
[modify_vpn_tunnel_certificate](#)
[modify_vpn_tunnel_options](#)
[monitor_instances](#)
[move_address_to_vpc](#)

Modifies the specified local gateway route
 Modifies the specified managed prefix list
 Modifies the managed resource visibility configuration
 Modifies the specified network interface attribute
 Modifies the options for instance hostnames for the specified instance
 Modify public hostname options for a network interface
 Modifies the configuration of your Reserved Instance
 Modifies the configuration of an existing route server
 Modifies the rules of a security group
 Adds or removes permission settings for the specified snapshot
 Archives an Amazon EBS snapshot
 Modifies the specified Spot Fleet request
 Modifies a subnet attribute
 Allows or restricts mirroring network services
 Modifies the specified Traffic Mirror rule
 Modifies a Traffic Mirror session
 Modifies the specified transit gateway
 Modifies a transit gateway metering policy
 Modifies the specified transit gateway policy table entry
 Modifies a reference (route) to a prefix list in a subnet
 Modifies the specified VPC attachment
 Modifies the configuration of the specified Amazon Verified Access endpoint
 Modifies the specified Amazon Web Services Verified Access endpoint policy
 Modifies the specified Amazon Web Services Verified Access group
 Modifies the specified Amazon Web Services Verified Access group policy
 Modifies the configuration of the specified Amazon Verified Access instance
 Modifies the logging configuration for the specified Amazon Verified Access instance
 Modifies the configuration of the specified Amazon Verified Access trust provider
 You can modify several parameters of an existing volume
 Modifies a volume attribute
 Modifies the specified attribute of the specified VPC
 Modify VPC Block Public Access (BPA) exclusions
 Modify VPC Block Public Access (BPA) options
 Modifies the encryption control configuration for the specified VPC
 Modifies attributes of a specified VPC endpoint
 Modifies a connection notification for VPC endpoint
 Modifies the billing account for VPC endpoint user
 Modifies the attributes of the specified VPC endpoint service
 Modifies the payer responsibility for your VPC endpoint service
 Modifies the permissions for your VPC endpoint service
 Modifies the VPC peering connection options on the specified VPC
 Modifies the instance tenancy attribute of the specified instance
 Modifies the customer gateway or the target gateway for the specified VPN connection
 Modifies the connection options for your Site-to-Site VPN connection
 Modifies the VPN tunnel endpoint certificate
 Modifies the options for a VPN tunnel in an Amazon Virtual Private Cloud (VPC)
 Enables detailed monitoring for a running instance
 This action is deprecated

move_byoip_cidr_to_ipam
 move_capacity_reservation_instances
 provision_byoip_cidr
 provision_ipam_byoasn
 provision_ipam_pool_cidr
 provision_public_ipv4_pool_cidr
 purchase_capacity_block
 purchase_capacity_block_extension
 purchase_host_reservation
 purchase_reserved_instances_offering
 purchase_scheduled_instances
 reboot_instances
 register_image
 register_instance_event_notification_attributes
 register_transit_gateway_multicast_group_members
 register_transit_gateway_multicast_group_sources
 reject_capacity_reservation_billing_ownership
 reject_transit_gateway_client_vpn_attachment
 reject_transit_gateway_multicast_domain_associations
 reject_transit_gateway_peering_attachment
 reject_transit_gateway_vpc_attachment
 reject_vpc_endpoint_connections
 reject_vpc_peering_connection
 release_address
 release_hosts
 release_ipam_pool_allocation
 replace_iam_instance_profile_association
 replace_image_criteria_in_allowed_images_settings
 replace_image_instance_type_specification
 replace_network_acl_association
 replace_network_acl_entry
 replace_route
 replace_route_table_association
 replace_transit_gateway_route
 replace_vpn_tunnel
 report_instance_status
 request_spot_fleet
 request_spot_instances
 reset_address_attribute
 reset_ebs_default_kms_key_id
 reset_fpga_image_attribute
 reset_image_attribute
 reset_instance_attribute
 reset_network_interface_attribute
 reset_snapshot_attribute
 restore_address_to_classic
 restore_image_from_recycle_bin
 restore_managed_prefix_list_version

Move a BYOIPv4 CIDR to IPAM from a public IP address range
 Move available capacity from a source Capacity Reservation to a target Capacity Reservation
 Provisions an IPv4 or IPv6 address range for use with your Amazon VPC
 Provisions your Autonomous System Number (ASN) for use with your Amazon VPC
 Provision a CIDR to an IPAM pool
 Provision a CIDR to a public IPv4 pool
 Purchase the Capacity Block for use with your Amazon EC2 instances
 Purchase the Capacity Block extension for use with your Amazon EC2 instances
 Purchase a reservation with configurations that match your requirements
 Purchases a Reserved Instance for use with your Amazon EC2 instances
 You can no longer purchase Scheduled Instances
 Requests a reboot of the specified instances
 Registers an AMI
 Registers a set of tag keys to include in scheduled reservations
 Registers members (network interfaces) with the specified transit gateway
 Registers sources (network interfaces) with the specified transit gateway
 Rejects a request to assign billing of the available capacity to a different account
 Rejects a Transit Gateway attachment request for a specific subnet
 Rejects a request to associate cross-account subnets with a transit gateway
 Rejects a transit gateway peering attachment request
 Rejects a request to attach a VPC to a transit gateway
 Rejects VPC endpoint connection requests to your Amazon VPC
 Rejects a VPC peering connection request
 Releases the specified Elastic IP address
 When you no longer want to use an On-Demand Instance, you can release it
 Release an allocation within an IPAM pool
 Replaces an IAM instance profile for the specified instance
 Sets or replaces the criteria for Allowed AMIs
 Replaces or removes the instance type specification for the specified instance
 Changes which network ACL a subnet is associated with
 Replaces an entry (rule) in a network ACL
 Replaces an existing route within a route table in a VPC
 Changes the route table associated with a given subnet
 Replaces the specified route in the specified transit gateway
 Trigger replacement of specified VPN tunnel
 Submits feedback about the status of an instance
 Creates a Spot Fleet request
 Creates a Spot Instance request
 Resets the attribute of the specified IP address
 Resets the default KMS key for EBS encryption
 Resets the specified attribute of the specified Amazon Machine Image (AMI)
 Resets an attribute of an AMI to its default value
 Resets an attribute of an instance to its default value
 Resets a network interface attribute
 Resets permission settings for the specified snapshot
 This action is deprecated
 Restores an AMI from the Recycle Bin
 Restores the entries from a previous version of a managed prefix list

```

restore_snapshot_from_recycle_bin
restore_snapshot_tier
restore_volume_from_recycle_bin
revoke_client_vpn_ingress
revoke_security_group_egress
revoke_security_group_ingress
run_instances
run_scheduled_instances
search_local_gateway_routes
search_transit_gateway_multicast_groups
search_transit_gateway_routes
send_diagnostic_interrupt
start_declarative_policies_report
start_instances
start_network_insights_access_scope_analysis
start_network_insights_analysis
start_vpc_endpoint_service_private_dns_verification
stop_instances
terminate_client_vpn_connections
terminate_instances
unassign_ipv6_addresses
unassign_private_ip_addresses
unassign_private_nat_gateway_address
unlock_snapshot
unmonitor_instances
update_capacity_manager_monitored_tag_keys
update_capacity_manager_organizations_access
update_interruptible_capacity_reservation_allocation
update_security_group_rule_descriptions_egress
update_security_group_rule_descriptions_ingress
validate_security_group_quotas_for_interface
withdraw_byoip_cidr

```

Restores a snapshot from the Recycle Bin

Restores an archived Amazon EBS snapshot for

Restores a volume from the Recycle Bin

Removes an ingress authorization rule from a CL

Removes the specified outbound (egress) rules fr

Removes the specified inbound (ingress) rules fr

Launches the specified number of instances using

Launches the specified Scheduled Instances

Searches for routes in the specified local gateway

Searches one or more transit gateway multicast g

Searches for routes in the specified transit gatewa

Sends a diagnostic interrupt to the specified Ama

Generates an account status report

Starts an Amazon EBS-backed instance that you

Starts analyzing the specified Network Access S

Starts analyzing the specified path

Initiates the verification process to prove that the

Stops an Amazon EBS-backed instance

Terminates active Client VPN endpoint connectio

Terminates (deletes) the specified instances

Unassigns the specified IPv6 addresses or Prefix

Unassigns the specified secondary private IP add

Unassigns secondary private IPv4 addresses from

Unlocks a snapshot that is locked in governance

Disables detailed monitoring for a running instar

Activates or deactivates tag keys for monitoring

Updates the Organizations access setting for EC2

Modifies the number of instances allocated to an

Updates the description of an egress (outbound)

Updates the description of an ingress (inbound) s

Validates whether the specified security groups c

Stops advertising an address range that is provis

Examples

```

## Not run:
svc <- ec2()
# This example allocates an Elastic IP address to use with an instance in
# a VPC.
svc$allocate_address(
  Domain = "vpc"
)

## End(Not run)

```

ec2instanceconnect	AWS EC2 Instance Connect
--------------------	--------------------------

Description

This is the *Amazon EC2 Instance Connect API Reference*. It provides descriptions, syntax, and usage examples for each of the actions for Amazon EC2 Instance Connect. Amazon EC2 Instance Connect enables system administrators to publish one-time use SSH public keys to EC2, providing users a simple and secure way to connect to their instances.

To view the Amazon EC2 Instance Connect content in the *Amazon EC2 User Guide*, see [Connect to your Linux instance using EC2 Instance Connect](#).

For Amazon EC2 APIs, see the [Amazon EC2 API Reference](#).

Usage

```
ec2instanceconnect(
    config = list(),
    credentials = list(),
    endpoint = NULL,
    region = NULL
)
```

Arguments

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

- **credentials:**

- **creds:**

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

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

- **anonymous**: Set anonymous credentials.

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

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

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

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

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

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

	• use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the AWS_USE_DUALSTACK_ENDPOINT environment variable when unset.
credentials	Optional credentials shorthand for the config parameter • creds: – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

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

Service syntax

```
svc <- ec2instanceconnect(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string",
      anonymous = "logical"
    ),
    endpoint = "string",
    region = "string",
    close_connection = "logical",
    timeout = "numeric",
    s3_force_path_style = "logical",
    sts_regional_endpoint = "string",
    use_dual_stack = "logical"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    )
  )
)
```

```

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

```

Operations

<code>send_serial_console_ssh_public_key</code>	Pushes an SSH public key to the specified EC2 instance
<code>send_ssh_public_key</code>	Pushes an SSH public key to the specified EC2 instance for use by the specified user

Examples

```

## Not run:
svc <- ec2instanceconnect()
# The following example pushes a sample SSH public key to the EC2 instance
# i-abcd1234 in AZ us-west-2b for use by the instance OS user ec2-user.
svc$send_ssh_public_key(
  AvailabilityZone = "us-west-2a",
  InstanceId = "i-abcd1234",
  InstanceOSUser = "ec2-user",
  SSHPublicKey = "ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQ3F1Hqj2eqCdrGHuA6d..."
)

## End(Not run)

```

ecr

Amazon Elastic Container Registry

Description

Amazon Elastic Container Registry (Amazon ECR) is a managed container image registry service. Customers can use the familiar Docker CLI, or their preferred client, to push, pull, and manage images. Amazon ECR provides a secure, scalable, and reliable registry for your Docker or Open Container Initiative (OCI) images. Amazon ECR supports private repositories with resource-based permissions using IAM so that specific users or Amazon EC2 instances can access repositories and images.

Amazon ECR has service endpoints in each supported Region. For more information, see [Amazon ECR endpoints](#) in the *Amazon Web Services General Reference*.

Usage

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

Arguments

config	Optional configuration of credentials, endpoint, and/or region. • credentials: – creds: * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoints.html • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
credentials	Optional credentials shorthand for the config parameter • creds: – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

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

Service syntax

```

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

```

Operations

batch_check_layer_availability	Checks the availability of one or more image layers in a repository
batch_delete_image	Deletes a list of specified images within a repository
batch_get_image	Gets detailed information for an image
batch_get_repository_scanning_configuration	Gets the scanning configuration for one or more repositories
complete_layer_upload	Notifies Amazon ECR that the image layer upload has completed for a specified repository
create_pull_through_cache_rule	Creates a pull through cache rule
create_repository	Creates a repository
create_repository_creation_template	Creates a repository creation template
delete_lifecycle_policy	Deletes the lifecycle policy associated with the specified repository
delete_pull_through_cache_rule	Deletes a pull through cache rule
delete_registry_policy	Deletes the registry permissions policy
delete_repository	Deletes a repository

<code>delete_repository_creation_template</code>	Deletes a repository creation template
<code>delete_repository_policy</code>	Deletes the repository policy associated with the specified repository
<code>delete_signing_configuration</code>	Deletes the registry's signing configuration
<code>deregister_pull_time_update_exclusion</code>	Removes a principal from the pull time update exclusion list for a registry
<code>describe_image_replication_status</code>	Returns the replication status for a specified image
<code>describe_images</code>	Returns metadata about the images in a repository
<code>describe_image_scan_findings</code>	Returns the scan findings for the specified image
<code>describe_image_signing_status</code>	Returns the signing status for a specified image
<code>describe_pull_through_cache_rules</code>	Returns the pull through cache rules for a registry
<code>describe_registry</code>	Describes the settings for a registry
<code>describe_repositories</code>	Describes image repositories in a registry
<code>describe_repository_creation_templates</code>	Returns details about the repository creation templates in a registry
<code>get_account_setting</code>	Retrieves the account setting value for the specified setting name
<code>get_authorization_token</code>	Retrieves an authorization token
<code>get_download_url_for_layer</code>	Retrieves the pre-signed Amazon S3 download URL corresponding to an image layer
<code>get_lifecycle_policy</code>	Retrieves the lifecycle policy for the specified repository
<code>get_lifecycle_policy_preview</code>	Retrieves the results of the lifecycle policy preview request for the specified repository
<code>get_registry_policy</code>	Retrieves the permissions policy for a registry
<code>get_registry_scanning_configuration</code>	Retrieves the scanning configuration for a registry
<code>get_repository_policy</code>	Retrieves the repository policy for the specified repository
<code>get_signing_configuration</code>	Retrieves the registry's signing configuration, which defines rules for automating image signing
<code>initiate_layer_upload</code>	Notifies Amazon ECR that you intend to upload an image layer
<code>list_image_referrers</code>	Lists the artifacts associated with a specified subject image
<code>list_images</code>	Lists all the image IDs for the specified repository
<code>list_pull_time_update_exclusions</code>	Lists the IAM principals that are excluded from having their image pull times updated
<code>list_tags_for_resource</code>	List the tags for an Amazon ECR resource
<code>put_account_setting</code>	Allows you to change the basic scan type version or registry policy scope
<code>put_image</code>	Creates or updates the image manifest and tags associated with an image
<code>put_image_scanning_configuration</code>	The PutImageScanningConfiguration API is being deprecated, in favor of <code>put_registry_scanning_configuration</code>
<code>put_image_tag_mutability</code>	Updates the image tag mutability settings for the specified repository
<code>put_lifecycle_policy</code>	Creates or updates the lifecycle policy for the specified repository
<code>put_registry_policy</code>	Creates or updates the permissions policy for your registry
<code>put_registry_scanning_configuration</code>	Creates or updates the scanning configuration for your private registry
<code>put_replication_configuration</code>	Creates or updates the replication configuration for a registry
<code>put_signing_configuration</code>	Creates or updates the registry's signing configuration, which defines rules for automating image signing
<code>register_pull_time_update_exclusion</code>	Adds an IAM principal to the pull time update exclusion list for a registry
<code>set_repository_policy</code>	Applies a repository policy to the specified repository to control access permissions
<code>start_image_scan</code>	Starts a basic image vulnerability scan
<code>start_lifecycle_policy_preview</code>	Starts a preview of a lifecycle policy for the specified repository
<code>tag_resource</code>	Adds specified tags to a resource with the specified ARN
<code>untag_resource</code>	Deletes specified tags from a resource
<code>update_image_storage_class</code>	Transitions an image between storage classes
<code>update_pull_through_cache_rule</code>	Updates an existing pull through cache rule
<code>update_repository_creation_template</code>	Updates an existing repository creation template
<code>upload_layer_part</code>	Uploads an image layer part to Amazon ECR
<code>validate_pull_through_cache_rule</code>	Validates an existing pull through cache rule for an upstream registry that requires image signing

Examples

```
## Not run:
svc <- ecr()
# This example deletes images with the tags precise and trusty in a
# repository called ubuntu in the default registry for an account.
svc$batch_delete_image(
  imageIds = list(
    list(
      imageTag = "precise"
    )
  ),
  repositoryName = "ubuntu"
)

## End(Not run)
```

ecrpublic

Amazon Elastic Container Registry Public

Description

Amazon Elastic Container Registry Public (Amazon ECR Public) is a managed container image registry service. Amazon ECR provides both public and private registries to host your container images. You can use the Docker CLI or your preferred client to push, pull, and manage images. Amazon ECR provides a secure, scalable, and reliable registry for your Docker or Open Container Initiative (OCI) images. Amazon ECR supports public repositories with this API. For information about the Amazon ECR API for private repositories, see [Amazon Elastic Container Registry API Reference](#).

Usage

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

Arguments

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

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

	– profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
credentials	Optional credentials shorthand for the config parameter • creds: – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

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

Service syntax

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

```

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

```

Operations

batch_check_layer_availability	Checks the availability of one or more image layers that are within a repository in a public registry
batch_delete_image	Deletes a list of specified images that are within a repository in a public registry
complete_layer_upload	Informs Amazon ECR that the image layer upload is complete for a specified public registry
create_repository	Creates a repository in a public registry
delete_repository	Deletes a repository in a public registry
delete_repository_policy	Deletes the repository policy that's associated with the specified repository
describe_images	Returns metadata that's related to the images in a repository in a public registry
describe_image_tags	Returns the image tag details for a repository in a public registry
describe_registries	Returns details for a public registry
describe_repositories	Describes repositories that are in a public registry
get_authorization_token	Retrieves an authorization token
get_registry_catalog_data	Retrieves catalog metadata for a public registry
get_repository_catalog_data	Retrieve catalog metadata for a repository in a public registry
get_repository_policy	Retrieves the repository policy for the specified repository
initiate_layer_upload	Notifies Amazon ECR that you intend to upload an image layer
list_tags_for_resource	List the tags for an Amazon ECR Public resource
put_image	Creates or updates the image manifest and tags that are associated with an image
put_registry_catalog_data	Create or update the catalog data for a public registry
put_repository_catalog_data	Creates or updates the catalog data for a repository in a public registry
set_repository_policy	Applies a repository policy to the specified public repository to control access permissions
tag_resource	Associates the specified tags to a resource with the specified resourceArn
untag_resource	Deletes specified tags from a resource
upload_layer_part	Uploads an image layer part to Amazon ECR

Examples

```
## Not run:
svc <- ecrpublic()
svc$batch_check_layer_availability(
  Foo = 123
)

## End(Not run)
```

 ecs

Amazon EC2 Container Service

Description

Amazon Elastic Container Service

Amazon Elastic Container Service (Amazon ECS) is a highly scalable, fast, container management service. It makes it easy to run, stop, and manage Docker containers. You can host your cluster on a serverless infrastructure that's managed by Amazon ECS by launching your services or tasks on Fargate. For more control, you can host your tasks on a cluster of Amazon Elastic Compute Cloud (Amazon EC2) or External (on-premises) instances that you manage.

Amazon ECS makes it easy to launch and stop container-based applications with simple API calls. This makes it easy to get the state of your cluster from a centralized service, and gives you access to many familiar Amazon EC2 features.

You can use Amazon ECS to schedule the placement of containers across your cluster based on your resource needs, isolation policies, and availability requirements. With Amazon ECS, you don't need to operate your own cluster management and configuration management systems. You also don't need to worry about scaling your management infrastructure.

Usage

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

Arguments

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

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

	– anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
credentials	Optional credentials shorthand for the config parameter • creds: – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

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

Service syntax

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

```

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

```

Operations

continue_service_deployment	Continues or rolls back an Amazon ECS service deployment that is paused at a lifecycle
create_capacity_provider	Creates a capacity provider
create_cluster	Creates a new Amazon ECS cluster
create_daemon	Creates a new daemon in the specified cluster and capacity providers
create_express_gateway_service	Creates an Express service that simplifies deploying containerized web applications on A
create_service	Runs and maintains your desired number of tasks from a specified task definition
create_task_set	Create a task set in the specified cluster and service
delete_account_setting	Disables an account setting for a specified user, role, or the root user for an account
delete_attributes	Deletes one or more custom attributes from an Amazon ECS resource
delete_capacity_provider	Deletes the specified capacity provider
delete_cluster	Deletes the specified cluster
delete_daemon	Deletes the specified daemon
delete_daemon_task_definition	Deletes the specified daemon task definition
delete_express_gateway_service	Deletes an Express service and removes all associated Amazon Web Services resources
delete_service	Deletes a specified service within a cluster
delete_task_definitions	Deletes one or more task definitions
delete_task_set	Deletes a specified task set within a service
deregister_container_instance	Deregisters an Amazon ECS container instance from the specified cluster
deregister_task_definition	Deregisters the specified task definition by family and revision
describe_capacity_providers	Describes one or more of your capacity providers
describe_clusters	Describes one or more of your clusters
describe_container_instances	Describes one or more container instances
describe_daemon	Describes the specified daemon
describe_daemon_deployments	Describes one or more of your daemon deployments
describe_daemon_revisions	Describes one or more of your daemon revisions
describe_daemon_task_definition	Describes a daemon task definition

describe_express_gateway_service	Retrieves detailed information about an Express service, including current status, configuration, and service revisions
describe_service_deployments	Describes one or more of your service deployments
describe_service_revisions	Describes one or more service revisions
describe_services	Describes the specified services running in your cluster
describe_task_definition	Describes a task definition
describe_tasks	Describes a specified task or tasks
describe_task_sets	Describes the task sets in the specified cluster and service
discover_poll_endpoint	This action is only used by the Amazon ECS agent, and it is not intended for use outside of the Amazon ECS agent
execute_command	Runs a command remotely on a container within a task
get_task_protection	Retrieves the protection status of tasks in an Amazon ECS service
list_account_settings	Lists the account settings for a specified principal
list_attributes	Lists the attributes for Amazon ECS resources within a specified target type and cluster
list_clusters	Returns a list of existing clusters
list_container_instances	Returns a list of container instances in a specified cluster
list_daemon_deployments	Returns a list of daemon deployments for a specified daemon
list_daemons	Returns a list of daemons
list_daemon_task_definitions	Returns a list of daemon task definitions that are registered to your account
list_service_deployments	This operation lists all the service deployments that meet the specified filter criteria
list_services	Returns a list of services
list_services_by_namespace	This operation lists all of the services that are associated with a Cloud Map namespace
list_tags_for_resource	List the tags for an Amazon ECS resource
list_task_definition_families	Returns a list of task definition families that are registered to your account
list_task_definitions	Returns a list of task definitions that are registered to your account
list_tasks	Returns a list of tasks
put_account_setting	Modifies an account setting
put_account_setting_default	Modifies an account setting for all users on an account for whom no individual account setting is specified
put_attributes	Create or update an attribute on an Amazon ECS resource
put_cluster_capacity_providers	Modifies the available capacity providers and the default capacity provider strategy for a cluster
register_container_instance	This action is only used by the Amazon ECS agent, and it is not intended for use outside of the Amazon ECS agent
register_daemon_task_definition	Registers a new daemon task definition from the supplied family and containerDefinitions
register_task_definition	Registers a new task definition from the supplied family and containerDefinitions
run_task	Starts a new task using the specified task definition
start_task	Starts a new task from the specified task definition on the specified container instance or task set
stop_service_deployment	Stops an ongoing service deployment
stop_task	Stops a running task
submit_attachment_state_changes	This action is only used by the Amazon ECS agent, and it is not intended for use outside of the Amazon ECS agent
submit_container_state_change	This action is only used by the Amazon ECS agent, and it is not intended for use outside of the Amazon ECS agent
submit_task_state_change	This action is only used by the Amazon ECS agent, and it is not intended for use outside of the Amazon ECS agent
tag_resource	Associates the specified tags to a resource with the specified resourceArn
untag_resource	Deletes specified tags from a resource
update_capacity_provider	Modifies the parameters for a capacity provider
update_cluster	Updates the cluster
update_cluster_settings	Modifies the settings to use for a cluster
update_container_agent	Updates the Amazon ECS container agent on a specified container instance
update_container_instances_state	Modifies the status of an Amazon ECS container instance
update_daemon	Updates the specified daemon
update_express_gateway_service	Updates an existing Express service configuration
update_service	Modifies the parameters of a service

<code>update_service_primary_task_set</code>	Modifies which task set in a service is the primary task set
<code>update_task_protection</code>	Updates the protection status of a task
<code>update_task_set</code>	Modifies a task set

Examples

```
## Not run:
svc <- ecs()
# This example creates a cluster in your default region.
svc$create_cluster(
  clusterName = "my_cluster"
)

## End(Not run)
```

eks

Amazon Elastic Kubernetes Service

Description

Amazon Elastic Kubernetes Service (Amazon EKS) is a managed service that makes it easy for you to run Kubernetes on Amazon Web Services without needing to setup or maintain your own Kubernetes control plane. Kubernetes is an open-source system for automating the deployment, scaling, and management of containerized applications.

Amazon EKS runs up-to-date versions of the open-source Kubernetes software, so you can use all the existing plugins and tooling from the Kubernetes community. Applications running on Amazon EKS are fully compatible with applications running on any standard Kubernetes environment, whether running in on-premises data centers or public clouds. This means that you can easily migrate any standard Kubernetes application to Amazon EKS without any code modification required.

Usage

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

Arguments

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

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

	– anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
credentials	Optional credentials shorthand for the config parameter • creds: – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

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

Service syntax

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

```

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

```

Operations

activate_certificate_authority	Activates a successor certificate authority (CA) as the signing certificate authority for the cluster
associate_access_policy	Associates an access policy and its scope to an access entry
associate_encryption_config	Associates an encryption configuration to an existing cluster
associate_identity_provider_config	Associates an identity provider configuration to a cluster
cancel_update	Cancels an in-progress update to an Amazon EKS cluster on a best-effort basis
create_access_entry	Creates an access entry
create_addon	Creates an Amazon EKS add-on
create_capability	Creates a managed capability resource for an Amazon EKS cluster
create_certificate_authority	Appends a successor certificate authority (CA) to your cluster, beginning the CA rotation
create_cluster	Creates an Amazon EKS control plane
create_eks_anywhere_subscription	Creates an EKS Anywhere subscription
create_fargate_profile	Creates an Fargate profile for your Amazon EKS cluster
create_nodegroup	Creates a managed node group for an Amazon EKS cluster
create_pod_identity_association	Creates an EKS Pod Identity association between a service account in an Amazon EKS cluster and an IAM role
delete_access_entry	Deletes an access entry
delete_addon	Deletes an Amazon EKS add-on
delete_capability	Deletes a managed capability from your Amazon EKS cluster
delete_certificate_authority	Deletes a certificate authority (CA) from your cluster
delete_cluster	Deletes an Amazon EKS cluster control plane
delete_eks_anywhere_subscription	Deletes an expired or inactive subscription
delete_fargate_profile	Deletes an Fargate profile
delete_nodegroup	Deletes a managed node group
delete_pod_identity_association	Deletes a EKS Pod Identity association
deregister_cluster	Deregisters a connected cluster to remove it from the Amazon EKS control plane
describe_access_entry	Describes an access entry
describe_addon	Describes an Amazon EKS add-on

<code>describe_addon_configuration</code>	Returns configuration options
<code>describe_addon_versions</code>	Describes the versions for an add-on
<code>describe_capability</code>	Returns detailed information about a specific managed capability in your Amazon EKS cluster
<code>describe_certificate_authority</code>	Returns detailed information about a certificate authority (CA) in your cluster, including its public key
<code>describe_cluster</code>	Describes an Amazon EKS cluster
<code>describe_cluster_versions</code>	Lists available Kubernetes versions for Amazon EKS clusters
<code>describe_eks_anywhere_subscription</code>	Returns descriptive information about a subscription
<code>describe_fargate_profile</code>	Describes an Fargate profile
<code>describe_identity_provider_config</code>	Describes an identity provider configuration
<code>describe_insight</code>	Returns details about an insight that you specify using its ID
<code>describe_insights_refresh</code>	Returns the status of the latest on-demand cluster insights refresh operation
<code>describe_nodegroup</code>	Describes a managed node group
<code>describe_pod_identity_association</code>	Returns descriptive information about an EKS Pod Identity association
<code>describe_update</code>	Describes an update to an Amazon EKS resource
<code>disassociate_access_policy</code>	Disassociates an access policy from an access entry
<code>disassociate_identity_provider_config</code>	Disassociates an identity provider configuration from a cluster
<code>list_access_entries</code>	Lists the access entries for your cluster
<code>list_access_policies</code>	Lists the available access policies
<code>list_addons</code>	Lists the installed add-ons
<code>list_associated_access_policies</code>	Lists the access policies associated with an access entry
<code>list_capabilities</code>	Lists all managed capabilities in your Amazon EKS cluster
<code>list_certificate_authorities</code>	Lists the certificate authorities (CAs) for your cluster
<code>list_clusters</code>	Lists the Amazon EKS clusters in your Amazon Web Services account in the specified region
<code>list_eks_anywhere_subscriptions</code>	Displays the full description of the subscription
<code>list_fargate_profiles</code>	Lists the Fargate profiles associated with the specified cluster in your Amazon Web Services account
<code>list_identity_provider_configs</code>	Lists the identity provider configurations for your cluster
<code>list_insights</code>	Returns a list of all insights checked for against the specified cluster
<code>list_nodegroups</code>	Lists the managed node groups associated with the specified cluster in your Amazon Web Services account
<code>list_pod_identity_associations</code>	List the EKS Pod Identity associations in a cluster
<code>list_tags_for_resource</code>	List the tags for an Amazon EKS resource
<code>list_updates</code>	Lists the updates associated with an Amazon EKS resource in your Amazon Web Services account
<code>register_cluster</code>	Connects a Kubernetes cluster to the Amazon EKS control plane
<code>start_insights_refresh</code>	Initiates an on-demand refresh operation for cluster insights, getting the latest analysis
<code>tag_resource</code>	Associates the specified tags to an Amazon EKS resource with the specified resource ID
<code>untag_resource</code>	Deletes specified tags from an Amazon EKS resource
<code>update_access_entry</code>	Updates an access entry
<code>update_addon</code>	Updates an Amazon EKS add-on
<code>update_capability</code>	Updates the configuration of a managed capability in your Amazon EKS cluster
<code>update_cluster_config</code>	Updates an Amazon EKS cluster configuration
<code>update_cluster_version</code>	Updates an Amazon EKS cluster to the specified Kubernetes version
<code>update_eks_anywhere_subscription</code>	Update an EKS Anywhere Subscription
<code>update_nodegroup_config</code>	Updates an Amazon EKS managed node group configuration
<code>update_nodegroup_version</code>	Updates the Kubernetes version or AMI version of an Amazon EKS managed node group
<code>update_pod_identity_association</code>	Updates a EKS Pod Identity association

Examples

```
## Not run:
svc <- eks()
# The following example creates an Amazon EKS cluster called prod.
svc$create_cluster(
  version = "1.10",
  name = "prod",
  clientRequestToken = "1d2129a1-3d38-460a-9756-e5b91fddb951",
  resourcesVpcConfig = list(
    securityGroupIds = list(
      "sg-6979fe18"
    ),
    subnetIds = list(
      "subnet-6782e71e",
      "subnet-e7e761ac"
    )
  ),
  roleArn = "arn:aws:iam::012345678910:role/eks-service-role-AWSServiceRole..."
)

## End(Not run)
```

 elasticbeanstalk

 AWS Elastic Beanstalk

Description

Elastic Beanstalk

Elastic Beanstalk makes it easy for you to create, deploy, and manage scalable, fault-tolerant applications running on the Amazon Web Services Cloud.

For more information about this product, go to the [Elastic Beanstalk](#) details page. The location of the latest Elastic Beanstalk WSDL is <https://elasticbeanstalk.s3.amazonaws.com/doc/2010-12-01/AWSElasticBeanstalk.wsdl>. To install the Software Development Kits (SDKs), Integrated Development Environment (IDE) Toolkits, and command line tools that enable you to access the API, go to [Tools for Amazon Web Services](#).

Endpoints

For a list of region-specific endpoints that Elastic Beanstalk supports, go to [Regions and Endpoints](#) in the *Amazon Web Services Glossary*.

Usage

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

Arguments

config	Optional configuration of credentials, endpoint, and/or region. • credentials: – creds: * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoints.html • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
credentials	Optional credentials shorthand for the config parameter • creds: – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

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

Service syntax

```

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

```

Operations

[abort_environment_update](#)
[apply_environment_managed_action](#)
[associate_environment_operations_role](#)
[check_dns_availability](#)
[compose_environments](#)
[create_application](#)
[create_application_version](#)
[create_configuration_template](#)
[create_environment](#)
[create_platform_version](#)
[create_storage_location](#)
[delete_application](#)

Cancels in-progress environment configuration update or application version update
 Applies a scheduled managed action immediately
 The operations role feature of Elastic Beanstalk is in beta release and is subject to change without notice
 Checks if the specified CNAME is available
 Create or update a group of environments that each run a separate component of an application
 Creates an application that has one configuration template named default and one version named default
 Creates an application version for the specified application
 Creates an Elastic Beanstalk configuration template, associated with a specific application
 Launches an Elastic Beanstalk environment for the specified application using the specified configuration template
 Create a new version of your custom platform
 Creates a bucket in Amazon S3 to store application versions, logs, and other data
 Deletes the specified application along with all associated versions and configurations

<code>delete_application_version</code>	Deletes the specified version from the specified application
<code>delete_configuration_template</code>	Deletes the specified configuration template
<code>delete_environment_configuration</code>	Deletes the draft configuration associated with the running environment
<code>delete_platform_version</code>	Deletes the specified version of a custom platform
<code>describe_account_attributes</code>	Returns attributes related to Elastic Beanstalk that are associated with the calling user
<code>describe_applications</code>	Returns the descriptions of existing applications
<code>describe_application_versions</code>	Retrieve a list of application versions
<code>describe_configuration_options</code>	Describes the configuration options that are used in a particular configuration set
<code>describe_configuration_settings</code>	Returns a description of the settings for the specified configuration set, that is, the configuration template
<code>describe_environment_health</code>	Returns information about the overall health of the specified environment
<code>describe_environment_managed_action_history</code>	Lists an environment's completed and failed managed actions
<code>describe_environment_managed_actions</code>	Lists an environment's upcoming and in-progress managed actions
<code>describe_environment_resources</code>	Returns Amazon Web Services resources for this environment
<code>describe_environments</code>	Returns descriptions for existing environments
<code>describe_events</code>	Returns list of event descriptions matching criteria up to the last 6 weeks
<code>describe_instances_health</code>	Retrieves detailed information about the health of instances in your Elastic Beanstalk environment
<code>describe_platform_version</code>	Describes a platform version
<code>disassociate_environment_operations_role</code>	The operations role feature of Elastic Beanstalk is in beta release and is subject to change
<code>list_available_solution_stacks</code>	Returns a list of the available solution stack names, with the public version number
<code>list_platform_branches</code>	Lists the platform branches available for your account in an Amazon Web Services region
<code>list_platform_versions</code>	Lists the platform versions available for your account in an Amazon Web Services region
<code>list_tags_for_resource</code>	Return the tags applied to an Elastic Beanstalk resource
<code>rebuild_environment</code>	Deletes and recreates all of the Amazon Web Services resources (for example, EC2 instances) for the specified environment
<code>request_environment_info</code>	Initiates a request to compile the specified type of information of the deployment
<code>restart_app_server</code>	Causes the environment to restart the application container server running on the EC2 instances
<code>retrieve_environment_info</code>	Retrieves the compiled information from a RequestEnvironmentInfo request
<code>swap_environment_cname_es</code>	Swaps the CNAMEs of two environments
<code>terminate_environment</code>	Terminates the specified environment
<code>update_application</code>	Updates the specified application to have the specified properties
<code>update_application_resource_lifecycle</code>	Modifies lifecycle settings for an application
<code>update_application_version</code>	Updates the specified application version to have the specified properties
<code>update_configuration_template</code>	Updates the specified configuration template to have the specified properties
<code>update_environment</code>	Updates the environment description, deploys a new application version, updates the configuration template, and updates the environment's EC2 instances
<code>update_tags_for_resource</code>	Update the list of tags applied to an Elastic Beanstalk resource
<code>validate_configuration_settings</code>	Takes a set of configuration settings and either a configuration template or environment name

Examples

```
## Not run:
svc <- elasticbeanstalk()
# The following code aborts a running application version deployment for
# an environment named my-env:
svc$abort_environment_update(
  EnvironmentName = "my-env"
)

## End(Not run)
```

emrcontainers

Amazon EMR Containers

Description

Amazon EMR on EKS provides a deployment option for Amazon EMR that allows you to run open-source big data frameworks on Amazon Elastic Kubernetes Service (Amazon EKS). With this deployment option, you can focus on running analytics workloads while Amazon EMR on EKS builds, configures, and manages containers for open-source applications. For more information about Amazon EMR on EKS concepts and tasks, see [What is Amazon EMR on EKS](#).

Amazon EMR containers is the API name for Amazon EMR on EKS. The `emr-containers` prefix is used in the following scenarios:

- It is the prefix in the CLI commands for Amazon EMR on EKS. For example, `aws emr-containers start-job-run`.
- It is the prefix before IAM policy actions for Amazon EMR on EKS. For example, "Action": ["emr-containers:StartJobRun"]. For more information, see [Policy actions for Amazon EMR on EKS](#).
- It is the prefix used in Amazon EMR on EKS service endpoints. For example, `emr-containers.us-east-2.amazonaws.com`. For more information, see [Amazon EMR on EKSService Endpoints](#).

Usage

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

Arguments

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

	• timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
credentials	Optional credentials shorthand for the config parameter • creds: – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

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

Service syntax

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

```

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

```

Operations

<code>cancel_job_run</code>	Cancels a job run
<code>create_job_template</code>	Creates a job template
<code>create_managed_endpoint</code>	Creates a managed endpoint
<code>create_security_configuration</code>	Creates a security configuration
<code>create_virtual_cluster</code>	Creates a virtual cluster
<code>delete_job_template</code>	Deletes a job template
<code>delete_managed_endpoint</code>	Deletes a managed endpoint
<code>delete_security_configuration</code>	Deletes a security configuration
<code>delete_virtual_cluster</code>	Deletes a virtual cluster
<code>describe_job_run</code>	Displays detailed information about a job run
<code>describe_job_template</code>	Displays detailed information about a specified job template
<code>describe_managed_endpoint</code>	Displays detailed information about a managed endpoint
<code>describe_security_configuration</code>	Displays detailed information about a specified security configuration
<code>describe_virtual_cluster</code>	Displays detailed information about a specified virtual cluster
<code>get_managed_endpoint_session_credentials</code>	Generate a session token to connect to a managed endpoint
<code>list_job_runs</code>	Lists job runs based on a set of parameters
<code>list_job_templates</code>	Lists job templates based on a set of parameters
<code>list_managed_endpoints</code>	Lists managed endpoints based on a set of parameters
<code>list_security_configurations</code>	Lists security configurations based on a set of parameters
<code>list_tags_for_resource</code>	Lists the tags assigned to the resources
<code>list_virtual_clusters</code>	Lists information about the specified virtual cluster
<code>start_job_run</code>	Starts a job run
<code>tag_resource</code>	Assigns tags to resources
<code>untag_resource</code>	Removes tags from resources
<code>update_virtual_cluster</code>	Updates a virtual cluster

Examples

```
## Not run:
```

```

svc <- emrcontainers()
svc$cancel_job_run(
  Foo = 123
)

## End(Not run)

```

emrserverless

EMR Serverless

Description

Amazon EMR Serverless is a new deployment option for Amazon EMR. Amazon EMR Serverless provides a serverless runtime environment that simplifies running analytics applications using the latest open source frameworks such as Apache Spark and Apache Hive. With Amazon EMR Serverless, you don't have to configure, optimize, secure, or operate clusters to run applications with these frameworks.

The API reference to Amazon EMR Serverless is `emr-serverless`. The `emr-serverless` prefix is used in the following scenarios:

- It is the prefix in the CLI commands for Amazon EMR Serverless. For example, `aws emr-serverless start-job-run`.
- It is the prefix before IAM policy actions for Amazon EMR Serverless. For example, `"Action": ["emr-serverless:S`. For more information, see [Policy actions for Amazon EMR Serverless](#).
- It is the prefix used in Amazon EMR Serverless service endpoints. For example, `emr-serverless.us-east-2.amazonaws.com`.

Usage

```

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

```

Arguments

- | | |
|---------------------|--|
| <code>config</code> | Optional configuration of credentials, endpoint, and/or region. <ul style="list-style-type: none"> • credentials: <ul style="list-style-type: none"> – creds: <ul style="list-style-type: none"> * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. |
|---------------------|--|

- **endpoint:** The complete URL to use for the constructed client.
- **region:** The AWS Region used in instantiating the client.
- **close_connection:** Immediately close all HTTP connections.
- **timeout:** The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds.
- **s3_force_path_style:** Set this to true to force the request to use path-style addressing, i.e. `http://s3.amazonaws.com/BUCKET/KEY`.
- **sts_regional_endpoint:** Set sts regional endpoint resolver to regional or legacy <https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html>
- **use_dual_stack:** Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the `AWS_USE_DUALSTACK_ENDPOINT` environment variable when unset.

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

Value

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

Service syntax

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

```

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

```

Operations

cancel_job_run	Cancels a job run
create_application	Creates an application
delete_application	Deletes an application
get_application	Displays detailed information about a specified application
get_dashboard_for_job_run	Creates and returns a URL that you can use to access the application UIs for a job run
get_job_run	Displays detailed information about a job run
get_resource_dashboard	Returns a URL that you can use to access the application UIs for a specified resource, such as a
get_session	Displays detailed information about a session
get_session_endpoint	Returns the session endpoint URL and a time-limited authentication token for the specified sess
list_applications	Lists applications based on a set of parameters
list_job_run_attempts	Lists all attempt of a job run
list_job_runs	Lists job runs based on a set of parameters
list_sessions	Lists sessions for the specified application
list_tags_for_resource	Lists the tags assigned to the resources
start_application	Starts a specified application and initializes initial capacity if configured
start_job_run	Starts a job run
start_session	Creates and starts a new session on the specified application
stop_application	Stops a specified application and releases initial capacity if configured
tag_resource	Assigns tags to resources
terminate_session	Terminates the specified session
untag_resource	Removes tags from resources
update_application	Updates a specified application

Examples

```
## Not run:
```

```

svc <- emrserverless()
svc$cancel_job_run(
  Foo = 123
)

## End(Not run)

```

imagebuilder

EC2 Image Builder

Description

EC2 Image Builder automates the creation, management, and deployment of customized, secure, and up-to-date server images. You can build Amazon Machine Images (AMIs) and container images that are pre-installed and pre-configured with software and settings to meet specific IT standards.

For an introduction to the service concepts that these API operations work with, see [How Image Builder works](#) in the *EC2 Image Builder User Guide*.

Usage

```

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

```

Arguments

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

	• sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the AWS_USE_DUALSTACK_ENDPOINT environment variable when unset.
credentials	Optional credentials shorthand for the config parameter • creds: – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

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

Service syntax

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

```

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

```

Operations

cancel_image_creation	Cancels the creation of an image
cancel_lifecycle_execution	Cancels a lifecycle execution – a single run of lifecycle actions that a lifecycle policy
create_component	Creates a new component that can be used to build, validate, test, and assess your im
create_container_recipe	Creates a new container recipe
create_distribution_configuration	Creates a new distribution configuration
create_image	Creates a new image along with all configured output resources defined in the distrib
create_image_pipeline	Creates a new image pipeline
create_image_recipe	Creates a new image recipe
create_infrastructure_configuration	Creates a new infrastructure configuration
create_lifecycle_policy	Creates a lifecycle policy resource
create_workflow	Creates a new workflow or a new version of an existing workflow
delete_component	Deletes a component build version
delete_container_recipe	Deletes a container recipe
delete_distribution_configuration	Deletes a distribution configuration
delete_image	Deletes an Image Builder image resource
delete_image_pipeline	Deletes an image pipeline
delete_image_recipe	Deletes an image recipe
delete_infrastructure_configuration	Deletes an infrastructure configuration
delete_lifecycle_policy	Deletes the specified lifecycle policy resource
delete_workflow	Deletes a specific workflow resource
distribute_image	Distributes an existing AMI to target Regions and accounts without running the full i
get_component	Retrieves a component object
get_component_policy	Retrieves a component policy
get_container_recipe	Retrieves a container recipe
get_container_recipe_policy	Retrieves the policy for a container recipe
get_distribution_configuration	Retrieves a distribution configuration
get_image	Retrieves an image
get_image_pipeline	Retrieves an image pipeline
get_image_policy	Retrieves an image policy
get_image_recipe	Retrieves an image recipe
get_image_recipe_policy	Retrieves an image recipe policy
get_infrastructure_configuration	Retrieves an infrastructure configuration
get_lifecycle_execution	Retrieves runtime information for a lifecycle execution – a single run of lifecycle acti
get_lifecycle_policy	Retrieves details for the specified image lifecycle policy
get_marketplace_resource	Verifies the subscription and performs resource dependency checks on the requested

<code>get_workflow</code>	Retrieves a workflow resource object
<code>get_workflow_execution</code>	Retrieves runtime information for a specific runtime instance of the workflow
<code>get_workflow_step_execution</code>	Retrieves runtime information for a specific runtime instance of the workflow step
<code>import_component</code>	Imports a component and transforms its data into a component document
<code>import_disk_image</code>	Imports a Windows operating system image from a verified Microsoft ISO disk file
<code>import_vm_image</code>	Creates an Image Builder image resource from an Amazon EC2 VM import task
<code>list_component_build_versions</code>	Returns a list of component build versions for the specified component version ARN
<code>list_components</code>	Returns the list of components that you have access to
<code>list_container_recipes</code>	Returns a list of container recipes
<code>list_distribution_configurations</code>	Returns a list of distribution configurations
<code>list_image_build_versions</code>	Returns a list of image build versions
<code>list_image_packages</code>	Lists the packages that are associated with an image build version, as determined by
<code>list_image_pipeline_images</code>	Returns a list of images created by the specified pipeline
<code>list_image_pipelines</code>	Returns a list of image pipelines
<code>list_image_recipes</code>	Returns a list of image recipes
<code>list_images</code>	Returns the list of images that you have access to
<code>list_image_scan_finding_aggregations</code>	Returns a list of image scan aggregations for your account
<code>list_image_scan_findings</code>	Returns a list of image scan findings for your account
<code>list_infrastructure_configurations</code>	Returns a list of infrastructure configurations
<code>list_lifecycle_execution_resources</code>	Lists resources that the runtime instance of the image lifecycle identified for lifecycle
<code>list_lifecycle_executions</code>	Retrieves the lifecycle runtime history for the specified resource
<code>list_lifecycle_policies</code>	Retrieves a list of lifecycle policies in your Amazon Web Services account
<code>list_tags_for_resource</code>	Returns the list of tags for the specified resource
<code>list_waiting_workflow_steps</code>	Lists the workflow steps in your Amazon Web Services account that have paused at a
<code>list_workflow_build_versions</code>	Returns a list of build versions for a specific workflow resource
<code>list_workflow_executions</code>	Returns a list of workflow runtime instance metadata objects for a specific image bui
<code>list_workflows</code>	Lists workflow versions based on filtering parameters
<code>list_workflow_step_executions</code>	Returns runtime data for each step in a runtime instance of the workflow that you spe
<code>put_component_policy</code>	Applies a policy to a component
<code>put_container_recipe_policy</code>	Applies a policy to a container recipe
<code>put_image_policy</code>	Applies a policy to an image
<code>put_image_recipe_policy</code>	Applies a policy to an image recipe
<code>retry_image</code>	Retries a failed or canceled image build without rebuilding the phases that already co
<code>send_workflow_step_action</code>	Sends an action to a workflow step that has paused at a WaitForAction step, so that in
<code>start_image_pipeline_execution</code>	Manually triggers a pipeline to create an image
<code>start_resource_state_update</code>	Begins an ad-hoc state change for the specified image build version
<code>tag_resource</code>	Adds a tag to a resource
<code>untag_resource</code>	Removes a tag from a resource
<code>update_distribution_configuration</code>	Updates a distribution configuration
<code>update_image_pipeline</code>	Updates an image pipeline
<code>update_infrastructure_configuration</code>	Updates an infrastructure configuration
<code>update_lifecycle_policy</code>	Updates the specified lifecycle policy

Examples

```
## Not run:
svc <- imagebuilder()
```

```

svc$cancel_image_creation(
  Foo = 123
)

## End(Not run)

```

lambda

AWS Lambda

Description

Lambda

Overview

Lambda is a compute service that lets you run code without provisioning or managing servers. Lambda runs your code on a high-availability compute infrastructure and performs all of the administration of the compute resources, including server and operating system maintenance, capacity provisioning and automatic scaling, code monitoring and logging. With Lambda, you can run code for virtually any type of application or backend service. For more information about the Lambda service, see [What is Lambda](#) in the **Lambda Developer Guide**.

The *Lambda API Reference* provides information about each of the API methods, including details about the parameters in each API request and response.

You can use Software Development Kits (SDKs), Integrated Development Environment (IDE) Toolkits, and command line tools to access the API. For installation instructions, see [Tools for Amazon Web Services](#).

For a list of Region-specific endpoints that Lambda supports, see [Lambda endpoints and quotas](#) in the *Amazon Web Services General Reference*.

When making the API calls, you will need to authenticate your request by providing a signature. Lambda supports signature version 4. For more information, see [Signature Version 4 signing process](#) in the *Amazon Web Services General Reference*.

CA certificates

Because Amazon Web Services SDKs use the CA certificates from your computer, changes to the certificates on the Amazon Web Services servers can cause connection failures when you attempt to use an SDK. You can prevent these failures by keeping your computer's CA certificates and operating system up-to-date. If you encounter this issue in a corporate environment and do not manage your own computer, you might need to ask an administrator to assist with the update process. The following list shows minimum operating system and Java versions:

- Microsoft Windows versions that have updates from January 2005 or later installed contain at least one of the required CAs in their trust list.
- Mac OS X 10.4 with Java for Mac OS X 10.4 Release 5 (February 2007), Mac OS X 10.5 (October 2007), and later versions contain at least one of the required CAs in their trust list.
- Red Hat Enterprise Linux 5 (March 2007), 6, and 7 and CentOS 5, 6, and 7 all contain at least one of the required CAs in their default trusted CA list.

- Java 1.4.2_12 (May 2006), 5 Update 2 (March 2005), and all later versions, including Java 6 (December 2006), 7, and 8, contain at least one of the required CAs in their default trusted CA list.

When accessing the Lambda management console or Lambda API endpoints, whether through browsers or programmatically, you will need to ensure your client machines support any of the following CAs:

- Amazon Root CA 1
- Starfield Services Root Certificate Authority - G2
- Starfield Class 2 Certification Authority

Root certificates from the first two authorities are available from [Amazon trust services](#), but keeping your computer up-to-date is the more straightforward solution. To learn more about ACM-provided certificates, see [Amazon Web Services Certificate Manager FAQs](#).

Usage

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

Arguments

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

- **credentials:**
 - **creds:**
 - * **access_key_id:** AWS access key ID
 - * **secret_access_key:** AWS secret access key
 - * **session_token:** AWS temporary session token
 - **profile:** The name of a profile to use. If not given, then the default profile is used.
 - **anonymous:** Set anonymous credentials.
- **endpoint:** The complete URL to use for the constructed client.
- **region:** The AWS Region used in instantiating the client.
- **close_connection:** Immediately close all HTTP connections.
- **timeout:** The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds.
- **s3_force_path_style:** Set this to true to force the request to use path-style addressing, i.e. `http://s3.amazonaws.com/BUCKET/KEY`.
- **sts_regional_endpoint:** Set sts regional endpoint resolver to regional or legacy <https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html>
- **use_dual_stack:** Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the `AWS_USE_DUALSTACK_ENDPOINT` environment variable when unset.

`credentials` Optional credentials shorthand for the config parameter

- **creds:**

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

Value

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

Service syntax

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

Operations

<code>add_layer_version_permission</code>	Adds permissions to the resource-based policy of a version of an Lambda layer
<code>add_permission</code>	Grants a principal permission to use a function
<code>checkpoint_durable_execution</code>	Saves the progress of a durable function execution during runtime
<code>create_alias</code>	Creates an alias for a Lambda function version
<code>create_capacity_provider</code>	Creates a capacity provider that manages compute resources for Lambda function
<code>create_code_signing_config</code>	Creates a code signing configuration
<code>create_event_source_mapping</code>	Creates a mapping between an event source and an Lambda function
<code>create_function</code>	Creates a Lambda function
<code>create_function_url_config</code>	Creates a Lambda function URL with the specified configuration parameters
<code>delete_alias</code>	Deletes a Lambda function alias
<code>delete_capacity_provider</code>	Deletes a capacity provider
<code>delete_code_signing_config</code>	Deletes the code signing configuration
<code>delete_event_source_mapping</code>	Deletes an event source mapping
<code>delete_function</code>	Deletes a Lambda function
<code>delete_function_code_signing_config</code>	Removes the code signing configuration from the function
<code>delete_function_concurrency</code>	Removes a concurrent execution limit from a function
<code>delete_function_event_invoke_config</code>	Deletes the configuration for asynchronous invocation for a function, version,
<code>delete_function_url_config</code>	Deletes a Lambda function URL
<code>delete_layer_version</code>	Deletes a version of an Lambda layer
<code>delete_provisioned_concurrency_config</code>	Deletes the provisioned concurrency configuration for a function
<code>delete_resource_policy</code>	Deletes a resource-based policy from a Lambda resource
<code>get_account_settings</code>	Retrieves details about your account's limits and usage in an Amazon Web Ser
<code>get_alias</code>	Returns details about a Lambda function alias
<code>get_capacity_provider</code>	Retrieves information about a specific capacity provider, including its configur
<code>get_code_signing_config</code>	Returns information about the specified code signing configuration
<code>get_durable_execution</code>	Retrieves detailed information about a specific durable execution, including its
<code>get_durable_execution_history</code>	Retrieves the execution history for a durable execution, showing all the steps,
<code>get_durable_execution_state</code>	Retrieves the current execution state required for the replay process during dur
<code>get_event_source_mapping</code>	Returns details about an event source mapping
<code>get_function</code>	Returns information about the function or function version, with a link to dow
<code>get_function_code_signing_config</code>	Returns the code signing configuration for the specified function
<code>get_function_concurrency</code>	Returns details about the reserved concurrency configuration for a function
<code>get_function_configuration</code>	Returns the version-specific settings of a Lambda function or version
<code>get_function_event_invoke_config</code>	Retrieves the configuration for asynchronous invocation for a function, version
<code>get_function_recursion_config</code>	Returns your function's recursive loop detection configuration
<code>get_function_scaling_config</code>	Retrieves the scaling configuration for a Lambda Managed Instances function
<code>get_function_url_config</code>	Returns details about a Lambda function URL
<code>get_layer_version</code>	Returns information about a version of an Lambda layer, with a link to downlo
<code>get_layer_version_by_arn</code>	Returns information about a version of an Lambda layer, with a link to downlo
<code>get_layer_version_policy</code>	Returns the permission policy for a version of an Lambda layer
<code>get_policy</code>	Returns the resource-based IAM policy for a function, version, or alias
<code>get_provisioned_concurrency_config</code>	Retrieves the provisioned concurrency configuration for a function's alias or v
<code>get_resource_policy</code>	Retrieves the resource-based policy attached to a Lambda resource
<code>get_runtime_management_config</code>	Retrieves the runtime management configuration for a function's version
<code>invoke</code>	Invokes a Lambda function
<code>invoke_async</code>	For asynchronous function invocation, use Invoke

<code>invoke_with_response_stream</code>	Configure your Lambda functions to stream response payloads back to clients
<code>list_aliases</code>	Returns a list of aliases for a Lambda function
<code>list_capacity_providers</code>	Returns a list of capacity providers in your account
<code>list_code_signing_configs</code>	Returns a list of code signing configurations
<code>list_durable_executions_by_function</code>	Returns a list of durable executions for a specified Lambda function
<code>list_event_source_mappings</code>	Lists event source mappings
<code>list_function_event_invoke_configs</code>	Retrieves a list of configurations for asynchronous invocation for a function
<code>list_functions</code>	Returns a list of Lambda functions, with the version-specific configuration of each
<code>list_functions_by_code_signing_config</code>	List the functions that use the specified code signing configuration
<code>list_function_url_configs</code>	Returns a list of Lambda function URLs for the specified function
<code>list_function_versions_by_capacity_provider</code>	Returns a list of function versions that are configured to use a specific capacity provider
<code>list_layers</code>	Lists Lambda layers and shows information about the latest version of each
<code>list_layer_versions</code>	Lists the versions of an Lambda layer
<code>list_provisioned_concurrency_configs</code>	Retrieves a list of provisioned concurrency configurations for a function
<code>list_tags</code>	Returns a function, event source mapping, or code signing configuration's tags
<code>list_versions_by_function</code>	Returns a list of versions, with the version-specific configuration of each
<code>publish_layer_version</code>	Creates an Lambda layer from a ZIP archive
<code>publish_version</code>	Creates a version from the current code and configuration of a function
<code>put_function_code_signing_config</code>	Update the code signing configuration for the function
<code>put_function_concurrency</code>	Sets the maximum number of simultaneous executions for a function, and reserved concurrency
<code>put_function_event_invoke_config</code>	Configures options for asynchronous invocation on a function, version, or alias
<code>put_function_recursion_config</code>	Sets your function's recursive loop detection configuration
<code>put_function_scaling_config</code>	Sets the scaling configuration for a Lambda Managed Instances function
<code>put_provisioned_concurrency_config</code>	Adds a provisioned concurrency configuration to a function's alias or version
<code>put_resource_policy</code>	Adds a resource-based policy to a Lambda resource
<code>put_runtime_management_config</code>	Sets the runtime management configuration for a function's version
<code>remove_layer_version_permission</code>	Removes a statement from the permissions policy for a version of an Lambda layer
<code>remove_permission</code>	Revokes function-use permission from an Amazon Web Services service or resource
<code>send_durable_execution_callback_failure</code>	Sends a failure response for a callback operation in a durable execution
<code>send_durable_execution_callback_heartbeat</code>	Sends a heartbeat signal for a long-running callback operation to prevent timeouts
<code>send_durable_execution_callback_success</code>	Sends a successful completion response for a callback operation in a durable execution
<code>stop_durable_execution</code>	Stops a running durable execution
<code>tag_resource</code>	Adds tags to a function, event source mapping, or code signing configuration
<code>untag_resource</code>	Removes tags from a function, event source mapping, or code signing configuration
<code>update_alias</code>	Updates the configuration of a Lambda function alias
<code>update_capacity_provider</code>	Updates the configuration of an existing capacity provider
<code>update_code_signing_config</code>	Update the code signing configuration
<code>update_event_source_mapping</code>	Updates an event source mapping
<code>update_function_code</code>	Updates a Lambda function's code
<code>update_function_configuration</code>	Modify the version-specific settings of a Lambda function
<code>update_function_event_invoke_config</code>	Updates the configuration for asynchronous invocation for a function, version, or alias
<code>update_function_url_config</code>	Updates the configuration for a Lambda function URL

Examples

```
## Not run:
svc <- lambda()
```

```
# The following example grants permission for the account 223456789012 to
# use version 1 of a layer named my-layer.
svc$add_layer_version_permission(
  Action = "lambda:GetLayerVersion",
  LayerName = "my-layer",
  Principal = "223456789012",
  StatementId = "xaccount",
  VersionNumber = 1L
)

## End(Not run)
```

lightsail

Amazon Lightsail

Description

Amazon Lightsail is the easiest way to get started with Amazon Web Services (Amazon Web Services) for developers who need to build websites or web applications. It includes everything you need to launch your project quickly - instances (virtual private servers), container services, storage buckets, managed databases, SSD-based block storage, static IP addresses, load balancers, content delivery network (CDN) distributions, DNS management of registered domains, and resource snapshots (backups) - for a low, predictable monthly price.

You can manage your Lightsail resources using the Lightsail console, Lightsail API, Command Line Interface (CLI), or SDKs. For more information about Lightsail concepts and tasks, see the [Amazon Lightsail Developer Guide](#).

This API Reference provides detailed information about the actions, data types, parameters, and errors of the Lightsail service. For more information about the supported Amazon Web Services Regions, endpoints, and service quotas of the Lightsail service, see [Amazon Lightsail Endpoints and Quotas](#) in the *Amazon Web Services General Reference*.

Usage

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

Arguments

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

- **credentials:**
 - **creds:**
 - * **access_key_id:** AWS access key ID

	* secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
credentials	Optional credentials shorthand for the config parameter • creds: – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

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

Service syntax

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

```

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

```

Operations

[allocate_static_ip](#)
[attach_certificate_to_distribution](#)
[attach_disk](#)
[attach_instances_to_load_balancer](#)
[attach_load_balancer_tls_certificate](#)
[attach_static_ip](#)
[close_instance_public_ports](#)
[copy_snapshot](#)
[create_bucket](#)
[create_bucket_access_key](#)
[create_certificate](#)
[create_cloud_formation_stack](#)
[create_contact_method](#)
[create_container_service](#)
[create_container_service_deployment](#)
[create_container_service_registry_login](#)
[create_disk](#)
[create_disk_from_snapshot](#)
[create_disk_snapshot](#)
[create_distribution](#)
[create_domain](#)

Allocates a static IP address
 Attaches an SSL/TLS certificate to your Amazon Lightsail content delivery network (CDN)
 Attaches a block storage disk to a running or stopped Lightsail instance and makes it available for use
 Attaches one or more Lightsail instances to a load balancer
 Attaches a Transport Layer Security (TLS) certificate to your load balancer
 Attaches a static IP address to a specific Amazon Lightsail instance
 Closes ports for a specific Amazon Lightsail instance
 Copies a manual snapshot of an instance or disk as another manual snapshot
 Creates an Amazon Lightsail bucket
 Creates a new access key for the specified Amazon Lightsail bucket
 Creates an SSL/TLS certificate for an Amazon Lightsail content delivery network (CDN)
 Creates an AWS CloudFormation stack, which creates a new Amazon EC2 instance
 Creates an email or SMS text message contact method
 Creates an Amazon Lightsail container service
 Creates a deployment for your Amazon Lightsail container service
 Creates a temporary set of log in credentials that you can use to log in to the Lightsail console
 Creates a block storage disk that can be attached to an Amazon Lightsail instance
 Creates a block storage disk from a manual or automatic snapshot of a disk
 Creates a snapshot of a block storage disk
 Creates an Amazon Lightsail content delivery network (CDN) distribution
 Creates a domain resource for the specified domain (example

<code>create_domain_entry</code>	Creates one of the following domain name system (DNS) records in a domain.
<code>create_gui_session_access_details</code>	Creates two URLs that are used to access a virtual computer's graphical user interface.
<code>create_instances</code>	Creates one or more Amazon Lightsail instances.
<code>create_instances_from_snapshot</code>	Creates one or more new instances from a manual or automatic snapshot of an instance.
<code>create_instance_snapshot</code>	Creates a snapshot of a specific virtual private server, or instance.
<code>create_key_pair</code>	Creates a custom SSH key pair that you can use with an Amazon Lightsail instance.
<code>create_load_balancer</code>	Creates a Lightsail load balancer.
<code>create_load_balancer_tls_certificate</code>	Creates an SSL/TLS certificate for an Amazon Lightsail load balancer.
<code>create_relational_database</code>	Creates a new database in Amazon Lightsail.
<code>create_relational_database_from_snapshot</code>	Creates a new database from an existing database snapshot in Amazon Lightsail.
<code>create_relational_database_snapshot</code>	Creates a snapshot of your database in Amazon Lightsail.
<code>delete_alarm</code>	Deletes an alarm.
<code>delete_auto_snapshot</code>	Deletes an automatic snapshot of an instance or disk.
<code>delete_bucket</code>	Deletes a Amazon Lightsail bucket.
<code>delete_bucket_access_key</code>	Deletes an access key for the specified Amazon Lightsail bucket.
<code>delete_certificate</code>	Deletes an SSL/TLS certificate for your Amazon Lightsail content delivery network (CDN).
<code>delete_contact_method</code>	Deletes a contact method.
<code>delete_container_image</code>	Deletes a container image that is registered to your Amazon Lightsail container service.
<code>delete_container_service</code>	Deletes your Amazon Lightsail container service.
<code>delete_disk</code>	Deletes the specified block storage disk.
<code>delete_disk_snapshot</code>	Deletes the specified disk snapshot.
<code>delete_distribution</code>	Deletes your Amazon Lightsail content delivery network (CDN) distribution.
<code>delete_domain</code>	Deletes the specified domain recordset and all of its domain records.
<code>delete_domain_entry</code>	Deletes a specific domain entry.
<code>delete_instance</code>	Deletes an Amazon Lightsail instance.
<code>delete_instance_snapshot</code>	Deletes a specific snapshot of a virtual private server (or instance).
<code>delete_key_pair</code>	Deletes the specified key pair by removing the public key from Amazon Lightsail.
<code>delete_known_host_keys</code>	Deletes the known host key or certificate used by the Amazon Lightsail browser CLI.
<code>delete_load_balancer</code>	Deletes a Lightsail load balancer and all its associated SSL/TLS certificates.
<code>delete_load_balancer_tls_certificate</code>	Deletes an SSL/TLS certificate associated with a Lightsail load balancer.
<code>delete_relational_database</code>	Deletes a database in Amazon Lightsail.
<code>delete_relational_database_snapshot</code>	Deletes a database snapshot in Amazon Lightsail.
<code>detach_certificate_from_distribution</code>	Detaches an SSL/TLS certificate from your Amazon Lightsail content delivery network (CDN).
<code>detach_disk</code>	Detaches a stopped block storage disk from a Lightsail instance.
<code>detach_instances_from_load_balancer</code>	Detaches the specified instances from a Lightsail load balancer.
<code>detach_static_ip</code>	Detaches a static IP from the Amazon Lightsail instance to which it is attached.
<code>disable_add_on</code>	Disables an add-on for an Amazon Lightsail resource.
<code>download_default_key_pair</code>	Downloads the regional Amazon Lightsail default key pair.
<code>enable_add_on</code>	Enables or modifies an add-on for an Amazon Lightsail resource.
<code>export_snapshot</code>	Exports an Amazon Lightsail instance or block storage disk snapshot to Amazon S3.
<code>get_active_names</code>	Returns the names of all active (not deleted) resources.
<code>get_alarms</code>	Returns information about the configured alarms.
<code>get_auto_snapshots</code>	Returns the available automatic snapshots for an instance or disk.
<code>get_blueprints</code>	Returns the list of available instance images, or blueprints.
<code>get_bucket_access_keys</code>	Returns the existing access key IDs for the specified Amazon Lightsail bucket.
<code>get_bucket_bundles</code>	Returns the bundles that you can apply to a Amazon Lightsail bucket.
<code>get_bucket_metric_data</code>	Returns the data points of a specific metric for an Amazon Lightsail bucket.
<code>get_buckets</code>	Returns information about one or more Amazon Lightsail buckets.

[get_bundles](#)
[get_certificates](#)
[get_cloud_formation_stack_records](#)
[get_contact_methods](#)
[get_container_api_metadata](#)
[get_container_images](#)
[get_container_log](#)
[get_container_service_deployments](#)
[get_container_service_metric_data](#)
[get_container_service_powers](#)
[get_container_services](#)
[get_cost_estimate](#)
[get_disk](#)
[get_disks](#)
[get_disk_snapshot](#)
[get_disk_snapshots](#)
[get_distribution_bundles](#)
[get_distribution_latest_cache_reset](#)
[get_distribution_metric_data](#)
[get_distributions](#)
[get_domain](#)
[get_domains](#)
[get_export_snapshot_records](#)
[get_instance](#)
[get_instance_access_details](#)
[get_instance_metric_data](#)
[get_instance_port_states](#)
[get_instances](#)
[get_instance_snapshot](#)
[get_instance_snapshots](#)
[get_instance_state](#)
[get_key_pair](#)
[get_key_pairs](#)
[get_load_balancer](#)
[get_load_balancer_metric_data](#)
[get_load_balancers](#)
[get_load_balancer_tls_certificates](#)
[get_load_balancer_tls_policies](#)
[get_operation](#)
[get_operations](#)
[get_operations_for_resource](#)
[get_profile](#)
[get_regions](#)
[get_relational_database](#)
[get_relational_database_blueprints](#)
[get_relational_database_bundles](#)
[get_relational_database_events](#)
[get_relational_database_log_events](#)

Returns the bundles that you can apply to an Amazon Lightsail instance wh
 Returns information about one or more Amazon Lightsail SSL/TLS certifica
 Returns the CloudFormation stack record created as a result of the create cl
 Returns information about the configured contact methods
 Returns information about Amazon Lightsail containers, such as the current
 Returns the container images that are registered to your Amazon Lightsail c
 Returns the log events of a container of your Amazon Lightsail container se
 Returns the deployments for your Amazon Lightsail container service
 Returns the data points of a specific metric of your Amazon Lightsail contain
 Returns the list of powers that can be specified for your Amazon Lightsail c
 Returns information about one or more of your Amazon Lightsail container
 Retrieves information about the cost estimate for a specified resource
 Returns information about a specific block storage disk
 Returns information about all block storage disks in your AWS account and
 Returns information about a specific block storage disk snapshot
 Returns information about all block storage disk snapshots in your AWS acc
 Returns the bundles that can be applied to your Amazon Lightsail content d
 Returns the timestamp and status of the last cache reset of a specific Amazo
 Returns the data points of a specific metric for an Amazon Lightsail content
 Returns information about one or more of your Amazon Lightsail content d
 Returns information about a specific domain recordset
 Returns a list of all domains in the user's account
 Returns all export snapshot records created as a result of the export snapsho
 Returns information about a specific Amazon Lightsail instance, which is a
 Returns temporary SSH keys you can use to connect to a specific virtual pri
 Returns the data points for the specified Amazon Lightsail instance metric, p
 Returns the firewall port states for a specific Amazon Lightsail instance, the
 Returns information about all Amazon Lightsail virtual private servers, or in
 Returns information about a specific instance snapshot
 Returns all instance snapshots for the user's account
 Returns the state of a specific instance
 Returns information about a specific key pair
 Returns information about all key pairs in the user's account
 Returns information about the specified Lightsail load balancer
 Returns information about health metrics for your Lightsail load balancer
 Returns information about all load balancers in an account
 Returns information about the TLS certificates that are associated with the s
 Returns a list of TLS security policies that you can apply to Lightsail load b
 Returns information about a specific operation
 Returns information about all operations
 Gets operations for a specific resource (an instance or a static IP)
 Returns information about the profile of the Amazon Lightsail account that
 Returns a list of all valid regions for Amazon Lightsail
 Returns information about a specific database in Amazon Lightsail
 Returns a list of available database blueprints in Amazon Lightsail
 Returns the list of bundles that are available in Amazon Lightsail
 Returns a list of events for a specific database in Amazon Lightsail
 Returns a list of log events for a database in Amazon Lightsail

<code>get_relational_database_log_streams</code>	Returns a list of available log streams for a specific database in Amazon Lightsail
<code>get_relational_database_master_user_password</code>	Returns the current, previous, or pending versions of the master user password for a specific database in Amazon Lightsail
<code>get_relational_database_metric_data</code>	Returns the data points of the specified metric for a database in Amazon Lightsail
<code>get_relational_database_parameters</code>	Returns all of the runtime parameters offered by the underlying database software for a specific database in Amazon Lightsail
<code>get_relational_databases</code>	Returns information about all of your databases in Amazon Lightsail
<code>get_relational_database_snapshot</code>	Returns information about a specific database snapshot in Amazon Lightsail
<code>get_relational_database_snapshots</code>	Returns information about all of your database snapshots in Amazon Lightsail
<code>get_setup_history</code>	Returns detailed information for five of the most recent SetupInstanceHistory events in your account
<code>get_static_ip</code>	Returns information about an Amazon Lightsail static IP
<code>get_static_ips</code>	Returns information about all static IPs in the user's account
<code>import_key_pair</code>	Imports a public SSH key from a specific key pair
<code>is_vpc_peered</code>	Returns a Boolean value indicating whether your Lightsail VPC is peered with another VPC
<code>open_instance_public_ports</code>	Opens ports for a specific Amazon Lightsail instance, and specifies the IP address range to open
<code>peer_vpc</code>	Peers the Lightsail VPC with the user's default VPC
<code>put_alarm</code>	Creates or updates an alarm, and associates it with the specified metric
<code>put_instance_public_ports</code>	Opens ports for a specific Amazon Lightsail instance, and specifies the IP address range to open
<code>reboot_instance</code>	Restarts a specific instance
<code>reboot_relational_database</code>	Restarts a specific database in Amazon Lightsail
<code>register_container_image</code>	Registers a container image to your Amazon Lightsail container service
<code>release_static_ip</code>	Deletes a specific static IP from your account
<code>reset_distribution_cache</code>	Deletes currently cached content from your Amazon Lightsail content delivery network (CDN)
<code>send_contact_method_verification</code>	Sends a verification request to an email contact method to ensure it's owned by you
<code>set_ip_address_type</code>	Sets the IP address type for an Amazon Lightsail resource
<code>set_resource_access_for_bucket</code>	Sets the Amazon Lightsail resources that can access the specified Lightsail S3 bucket
<code>setup_instance_https</code>	Creates an SSL/TLS certificate that secures traffic for your website
<code>start_gui_session</code>	Initiates a graphical user interface (GUI) session that's used to access a virtual machine
<code>start_instance</code>	Starts a specific Amazon Lightsail instance from a stopped state
<code>start_relational_database</code>	Starts a specific database from a stopped state in Amazon Lightsail
<code>stop_gui_session</code>	Terminates a web-based Amazon DCV session that's used to access a virtual machine
<code>stop_instance</code>	Stops a specific Amazon Lightsail instance that is currently running
<code>stop_relational_database</code>	Stops a specific database that is currently running in Amazon Lightsail
<code>tag_resource</code>	Adds one or more tags to the specified Amazon Lightsail resource
<code>test_alarm</code>	Tests an alarm by displaying a banner on the Amazon Lightsail console
<code>unpeer_vpc</code>	Unpeers the Lightsail VPC from the user's default VPC
<code>untag_resource</code>	Deletes the specified set of tag keys and their values from the specified Amazon Lightsail resource
<code>update_bucket</code>	Updates an existing Amazon Lightsail bucket
<code>update_bucket_bundle</code>	Updates the bundle, or storage plan, of an existing Amazon Lightsail bucket
<code>update_container_service</code>	Updates the configuration of your Amazon Lightsail container service, such as the container engine
<code>update_distribution</code>	Updates an existing Amazon Lightsail content delivery network (CDN) distribution
<code>update_distribution_bundle</code>	Updates the bundle of your Amazon Lightsail content delivery network (CDN) distribution
<code>update_domain_entry</code>	Updates a domain recordset after it is created
<code>update_instance_metadata_options</code>	Modifies the Amazon Lightsail instance metadata parameters on a running instance
<code>update_load_balancer_attribute</code>	Updates the specified attribute for a load balancer
<code>update_relational_database</code>	Allows the update of one or more attributes of a database in Amazon Lightsail
<code>update_relational_database_parameters</code>	Allows the update of one or more parameters of a database in Amazon Lightsail

Examples

```
## Not run:
svc <- lightsail()
svc$allocate_static_ip(
  Foo = 123
)

## End(Not run)
```

proton

AWS Proton

Description

This is the Proton Service API Reference. It provides descriptions, syntax and usage examples for each of the **actions** and **data types** for the Proton service.

The documentation for each action shows the Query API request parameters and the XML response.

Alternatively, you can use the Amazon Web Services CLI to access an API. For more information, see the [Amazon Web Services Command Line Interface User Guide](#).

The Proton service is a two-pronged automation framework. Administrators create service templates to provide standardized infrastructure and deployment tooling for serverless and container based applications. Developers, in turn, select from the available service templates to automate their application or service deployments.

Because administrators define the infrastructure and tooling that Proton deploys and manages, they need permissions to use all of the listed API operations.

When developers select a specific infrastructure and tooling set, Proton deploys their applications. To monitor their applications that are running on Proton, developers need permissions to the service *create*, *list*, *update* and *delete* API operations and the service instance *list* and *update* API operations.

To learn more about Proton, see the [Proton User Guide](#).

Ensuring Idempotency

When you make a mutating API request, the request typically returns a result before the asynchronous workflows of the operation are complete. Operations might also time out or encounter other server issues before they're complete, even if the request already returned a result. This might make it difficult to determine whether the request succeeded. Moreover, you might need to retry the request multiple times to ensure that the operation completes successfully. However, if the original request and the subsequent retries are successful, the operation occurs multiple times. This means that you might create more resources than you intended.

Idempotency ensures that an API request action completes no more than one time. With an idempotent request, if the original request action completes successfully, any subsequent retries complete successfully without performing any further actions. However, the result might contain updated information, such as the current creation status.

The following lists of APIs are grouped according to methods that ensure idempotency.

Idempotent create APIs with a client token

The API actions in this list support idempotency with the use of a *client token*. The corresponding Amazon Web Services CLI commands also support idempotency using a client token. A client token is a unique, case-sensitive string of up to 64 ASCII characters. To make an idempotent API request using one of these actions, specify a client token in the request. We recommend that you *don't* reuse the same client token for other API requests. If you don't provide a client token for these APIs, a default client token is automatically provided by SDKs.

Given a request action that has succeeded:

If you retry the request using the same client token and the same parameters, the retry succeeds without performing any further actions other than returning the original resource detail data in the response.

If you retry the request using the same client token, but one or more of the parameters are different, the retry throws a `ValidationException` with an `IdempotentParameterMismatch` error.

Client tokens expire eight hours after a request is made. If you retry the request with the expired token, a new resource is created.

If the original resource is deleted and you retry the request, a new resource is created.

Idempotent create APIs with a client token:

- `CreateEnvironmentTemplateVersion`
- `CreateServiceTemplateVersion`
- `CreateEnvironmentAccountConnection`

Idempotent create APIs

Given a request action that has succeeded:

If you retry the request with an API from this group, and the original resource *hasn't* been modified, the retry succeeds without performing any further actions other than returning the original resource detail data in the response.

If the original resource has been modified, the retry throws a `ConflictException`.

If you retry with different input parameters, the retry throws a `ValidationException` with an `IdempotentParameterMismatch` error.

Idempotent create APIs:

- `CreateEnvironmentTemplate`
- `CreateServiceTemplate`
- `CreateEnvironment`
- `CreateService`

Idempotent delete APIs

Given a request action that has succeeded:

When you retry the request with an API from this group and the resource was deleted, its metadata is returned in the response.

If you retry and the resource doesn't exist, the response is empty.

In both cases, the retry succeeds.

Idempotent delete APIs:

- DeleteEnvironmentTemplate
- DeleteEnvironmentTemplateVersion
- DeleteServiceTemplate
- DeleteServiceTemplateVersion
- DeleteEnvironmentAccountConnection

Asynchronous idempotent delete APIs

Given a request action that has succeeded:

If you retry the request with an API from this group, if the original request delete operation status is DELETE_IN_PROGRESS, the retry returns the resource detail data in the response without performing any further actions.

If the original request delete operation is complete, a retry returns an empty response.

Asynchronous idempotent delete APIs:

- DeleteEnvironment
- DeleteService

Usage

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

Arguments

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

- **credentials:**
 - **creds:**
 - * **access_key_id:** AWS access key ID
 - * **secret_access_key:** AWS secret access key
 - * **session_token:** AWS temporary session token
 - **profile:** The name of a profile to use. If not given, then the default profile is used.
 - **anonymous:** Set anonymous credentials.
- **endpoint:** The complete URL to use for the constructed client.
- **region:** The AWS Region used in instantiating the client.
- **close_connection:** Immediately close all HTTP connections.
- **timeout:** The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds.
- **s3_force_path_style:** Set this to true to force the request to use path-style addressing, i.e. `http://s3.amazonaws.com/BUCKET/KEY`.
- **sts_regional_endpoint:** Set sts regional endpoint resolver to regional or legacy <https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html>
- **use_dual_stack:** Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the AWS_USE_DUALSTACK_ENDPOINT environment variable when unset.

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

Value

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

Service syntax

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

```

        endpoint = "string",
        region = "string"
    )

```

Operations

[accept_environment_account_connection](#)
[cancel_component_deployment](#)
[cancel_environment_deployment](#)
[cancel_service_instance_deployment](#)
[cancel_service_pipeline_deployment](#)
[create_component](#)
[create_environment](#)
[create_environment_account_connection](#)
[create_environment_template](#)
[create_environment_template_version](#)
[create_repository](#)
[create_service](#)
[create_service_instance](#)
[create_service_sync_config](#)
[create_service_template](#)
[create_service_template_version](#)
[create_template_sync_config](#)
[delete_component](#)
[delete_deployment](#)
[delete_environment](#)
[delete_environment_account_connection](#)
[delete_environment_template](#)
[delete_environment_template_version](#)
[delete_repository](#)
[delete_service](#)
[delete_service_sync_config](#)
[delete_service_template](#)
[delete_service_template_version](#)
[delete_template_sync_config](#)
[get_account_settings](#)
[get_component](#)
[get_deployment](#)
[get_environment](#)
[get_environment_account_connection](#)
[get_environment_template](#)
[get_environment_template_version](#)
[get_repository](#)
[get_repository_sync_status](#)
[get_resources_summary](#)
[get_service](#)
[get_service_instance](#)
[get_service_instance_sync_status](#)

In a management account, an environment account connection request is accepted.
 Attempts to cancel a component deployment (for a component that is in the INCOMPLETE state).
 Attempts to cancel an environment deployment on an UpdateEnvironment action.
 Attempts to cancel a service instance deployment on an UpdateServiceInstance action.
 Attempts to cancel a service pipeline deployment on an UpdateServicePipeline action.
 Create an Proton component.
 Deploy a new environment.
 Create an environment account connection in an environment account so that environment can be managed.
 Create an environment template for Proton.
 Create a new major or minor version of an environment template.
 Create and register a link to a repository.
 Create an Proton service.
 Create a service instance.
 Create the Proton Ops configuration file.
 Create a service template.
 Create a new major or minor version of a service template.
 Set up a template to create new template versions automatically by tracking a linked repository.
 Delete an Proton component resource.
 Delete the deployment.
 Delete an environment.
 In an environment account, delete an environment account connection.
 If no other major or minor versions of an environment template exist, delete the environment template.
 If no other minor versions of an environment template exist, delete a major version of an environment template.
 De-register and unlink your repository.
 Delete a service, with its instances and pipeline.
 Delete the Proton Ops file.
 If no other major or minor versions of the service template exist, delete the service template.
 If no other minor versions of a service template exist, delete a major version of a service template.
 Delete a template sync configuration.
 Get detail data for Proton account-wide settings.
 Get detailed data for a component.
 Get detailed data for a deployment.
 Get detailed data for an environment.
 In an environment account, get the detailed data for an environment account connection.
 Get detailed data for an environment template.
 Get detailed data for a major or minor version of an environment template.
 Get detail data for a linked repository.
 Get the sync status of a repository used for Proton template sync.
 Get counts of Proton resources.
 Get detailed data for a service.
 Get detailed data for a service instance.
 Get the status of the synced service instance.

<code>get_service_sync_blocker_summary</code>	Get detailed data for the service sync blocker summary
<code>get_service_sync_config</code>	Get detailed information for the service sync configuration
<code>get_service_template</code>	Get detailed data for a service template
<code>get_service_template_version</code>	Get detailed data for a major or minor version of a service template
<code>get_template_sync_config</code>	Get detail data for a template sync configuration
<code>get_template_sync_status</code>	Get the status of a template sync
<code>list_component_outputs</code>	Get a list of component Infrastructure as Code (IaC) outputs
<code>list_component_provisioned_resources</code>	List provisioned resources for a component with details
<code>list_components</code>	List components with summary data
<code>list_deployments</code>	List deployments
<code>list_environment_account_connections</code>	View a list of environment account connections
<code>list_environment_outputs</code>	List the infrastructure as code outputs for your environment
<code>list_environment_provisioned_resources</code>	List the provisioned resources for your environment
<code>list_environments</code>	List environments with detail data summaries
<code>list_environment_templates</code>	List environment templates
<code>list_environment_template_versions</code>	List major or minor versions of an environment template with detail data
<code>list_repositories</code>	List linked repositories with detail data
<code>list_repository_sync_definitions</code>	List repository sync definitions with detail data
<code>list_service_instance_outputs</code>	Get a list service of instance Infrastructure as Code (IaC) outputs
<code>list_service_instance_provisioned_resources</code>	List provisioned resources for a service instance with details
<code>list_service_instances</code>	List service instances with summary data
<code>list_service_pipeline_outputs</code>	Get a list of service pipeline Infrastructure as Code (IaC) outputs
<code>list_service_pipeline_provisioned_resources</code>	List provisioned resources for a service and pipeline with details
<code>list_services</code>	List services with summaries of detail data
<code>list_service_templates</code>	List service templates with detail data
<code>list_service_template_versions</code>	List major or minor versions of a service template with detail data
<code>list_tags_for_resource</code>	List tags for a resource
<code>notify_resource_deployment_status_change</code>	Notify Proton of status changes to a provisioned resource when you use self-managed
<code>reject_environment_account_connection</code>	In a management account, reject an environment account connection from another account
<code>tag_resource</code>	Tag a resource
<code>untag_resource</code>	Remove a customer tag from a resource
<code>update_account_settings</code>	Update Proton settings that are used for multiple services in the Amazon Web Services console
<code>update_component</code>	Update a component
<code>update_environment</code>	Update an environment
<code>update_environment_account_connection</code>	In an environment account, update an environment account connection to use a different account
<code>update_environment_template</code>	Update an environment template
<code>update_environment_template_version</code>	Update a major or minor version of an environment template
<code>update_service</code>	Edit a service description or use a spec to add and delete service instances
<code>update_service_instance</code>	Update a service instance
<code>update_service_pipeline</code>	Update the service pipeline
<code>update_service_sync_blocker</code>	Update the service sync blocker by resolving it
<code>update_service_sync_config</code>	Update the Proton Ops config file
<code>update_service_template</code>	Update a service template
<code>update_service_template_version</code>	Update a major or minor version of a service template
<code>update_template_sync_config</code>	Update template sync configuration parameters, except for the templateName parameter

Examples

```
## Not run:
svc <- proton()
svc$accept_environment_account_connection(
  Foo = 123
)

## End(Not run)
```

```
serverlessapplicationrepository
```

```
  AWSServerlessApplicationRepository
```

Description

The AWS Serverless Application Repository makes it easy for developers and enterprises to quickly find and deploy serverless applications in the AWS Cloud. For more information about serverless applications, see *Serverless Computing and Applications* on the AWS website.

The AWS Serverless Application Repository is deeply integrated with the AWS Lambda console, so that developers of all levels can get started with serverless computing without needing to learn anything new. You can use category keywords to browse for applications such as web and mobile backends, data processing applications, or chatbots. You can also search for applications by name, publisher, or event source. To use an application, you simply choose it, configure any required fields, and deploy it with a few clicks.

You can also easily publish applications, sharing them publicly with the community at large, or privately within your team or across your organization. To publish a serverless application (or app), you can use the AWS Management Console, AWS Command Line Interface (AWS CLI), or AWS SDKs to upload the code. Along with the code, you upload a simple manifest file, also known as the AWS Serverless Application Model (AWS SAM) template. For more information about AWS SAM, see *AWS Serverless Application Model (AWS SAM)* on the AWS Labs GitHub repository.

The AWS Serverless Application Repository Developer Guide contains more information about the two developer experiences available:

- **Consuming Applications** – Browse for applications and view information about them, including source code and readme files. Also install, configure, and deploy applications of your choosing.

Publishing Applications – Configure and upload applications to make them available to other developers, and publish new versions of applications.

Usage

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

Arguments

config	Optional configuration of credentials, endpoint, and/or region. • credentials: – creds: * access_key_id: AWS access key ID * secret_access_key: AWS secret access key * session_token: AWS temporary session token – profile: The name of a profile to use. If not given, then the default profile is used. – anonymous: Set anonymous credentials. • endpoint: The complete URL to use for the constructed client. • region: The AWS Region used in instantiating the client. • close_connection: Immediately close all HTTP connections. • timeout: The time in seconds till a timeout exception is thrown when attempting to make a connection. The default is 60 seconds. • s3_force_path_style: Set this to true to force the request to use path-style addressing, i.e. <code>http://s3.amazonaws.com/BUCKET/KEY</code>. • sts_regional_endpoint: Set sts regional endpoint resolver to regional or legacy https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoints.html • use_dual_stack: Set this to true to use the dualstack (IPv4 and IPv6) endpoint for a service, where available, falling back to the regular endpoint when it isn't. Defaults to the <code>AWS_USE_DUALSTACK_ENDPOINT</code> environment variable when unset.
credentials	Optional credentials shorthand for the config parameter • creds: – access_key_id: AWS access key ID – secret_access_key: AWS secret access key – session_token: AWS temporary session token • profile: The name of a profile to use. If not given, then the default profile is used. • anonymous: Set anonymous credentials.
endpoint	Optional shorthand for complete URL to use for the constructed client.
region	Optional shorthand for AWS Region used in instantiating the client.

Value

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

Service syntax

```

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

```

Operations

create_application	Creates an application, optionally including an AWS SAM file to create the first application
create_application_version	Creates an application version
create_cloud_formation_change_set	Creates an AWS CloudFormation change set for the given application
create_cloud_formation_template	Creates an AWS CloudFormation template
delete_application	Deletes the specified application
get_application	Gets the specified application
get_application_policy	Retrieves the policy for the application
get_cloud_formation_template	Gets the specified AWS CloudFormation template
list_application_dependencies	Retrieves the list of applications nested in the containing application
list_applications	Lists applications owned by the requester
list_application_versions	Lists versions for the specified application
put_application_policy	Sets the permission policy for an application

[unshare_application](#)

Unshares an application from an AWS Organization

[update_application](#)

Updates the specified application

Examples

```
## Not run:
svc <- serverlessapplicationrepository()
svc$create_application(
  Foo = 123
)

## End(Not run)
```

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