Package ‘paws.compute’

September 11, 2023

Title 'Amazon Web Services' Compute Services

Version 0.4.0

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/>.

License Apache License (>= 2.0)

URL https://github.com/paws-r/paws

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

Imports paws.common (>= 0.6.0)

Suggests testthat

Encoding UTF-8

RoxygenNote 7.2.3

Collate 'apprunner_service.R' 'apprunner_interfaces.R'
   'apprunner_operations.R' 'batch_service.R' 'batch_interfaces.R'
   'batch_operations.R' 'braket_service.R' 'braket_interfaces.R'
   'braket_operations.R' 'computeoptimizer_service.R'
   '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'
R topics documented:

'apprunner' 'batch' 'braket' 'computeoptimizer' 'ec2' 'ec2instanceconnect' 'ecr' 'ecrpublic' 'ecs' 'eks' 'elasticbeanstalk' 'emrcontainers' 'emrserverless' 'imagebuilder' 'lambda' 'lightsail' 'proton' 'serverlessapplicationrepository'

Index 77
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

```r
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. `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-endpoints.html](https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoints.html)

**credentials**

Optional credentials shorthand for the config parameter

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

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

- **anonymous**: Set anonymous credentials.

**endpoint**

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

**region**

Optional shorthand for AWS Region used in instantiating the client.

**Value**

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

**Service syntax**

```r
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"
  ),
)```
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_tags_for_resource
list_vpc_connectors
list_vpc_ingress_connections
pause_service
resume_service
start_deployment
tag_resource
untag_resource

Associate your own domain name with the App Runner subdomain URL of your App Runner service
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
Delete an App Runner service 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 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
Returns a list of running App Runner services in your Amazon Web Services account
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
Return a list of App Runner VPC Ingress Connections in your Amazon Web Services account
Resume an active App Runner service
Initiate a manual deployment of the latest commit in a source code repository or the latest image in a source image repository to an App Runner service
Add tags to, or update the tag values of, an App Runner resource
Remove tags from an App Runner resource
update_service  Update an App Runner service
update_vpc_ingress_connection  Update an existing App Runner VPC Ingress Connection resource

Examples

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

---

**batch**

*AWS Batch*

**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**

```r
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. `http://s3.amazonaws.com/BUCKET/KEY`.


**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**

```r
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"
),
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
create_compute_environment  Creates an Batch compute environment
create_job_queue  Creates an Batch job queue
create_scheduling_policy  Creates an Batch scheduling policy
delete_compute_environment  Deletes an Batch compute environment
delete_job_queue  Deletes the specified job queue
delete_scheduling_policy  Deletes the specified scheduling policy
deregister_job_definition  Deregisters an Batch job definition
describe_compute_environments  Describes one or more of your compute environments
describe_job_definitions  Describes a list of job definitions
describe_job_queues  Describes one or more of your job queues
describe_jobs  Describes a list of Batch jobs
describe_scheduling_policies  Describes one or more of your scheduling policies
list_jobs  Returns a list of Batch jobs
list_scheduling_policies  Returns a list of Batch scheduling policies
list_tags_for_resource  Lists the tags for an Batch resource
register_job_definition  Registers an Batch job definition
submit_job  Submits an Batch job from a job definition
tag_resource  Associates the specified tags to a resource with the specified resourceArn
terminate_job  Terminates a job in a job queue
untag_resource  Deletes specified tags from an Batch resource
update_compute_environment  Updates an Batch compute environment
update_job_queue  Updates a job queue
update_scheduling_policy  Updates a scheduling policy
Examples

```r
## 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)
```

Description

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

Additional Resources:

- Amazon Braket Developer Guide

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. 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-endpoints.html](https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoints.html)

**credentials**: Optional credentials shorthand for the config parameter

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

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

- **anonymous**: Set anonymous credentials.

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

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

**Value**

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

**Service syntax**

```r
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"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
```
computeoptimizer

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

Operations

cancel_job Cancels an Amazon Braket job
cancel_quantum_task Cancels the specified task
create_job Creates an Amazon Braket job
create_quantum_task Creates a quantum task
get_device Retrieves the devices available in Amazon Braket
get_job Retrieves the specified Amazon Braket 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 jobs that match the specified filter values
search_quantum_tasks Searches for tasks that match the specified filter values
tag_resource Add a tag to the specified resource
untag_resource Remove tags from a resource

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

```r
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. `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-ends.html](https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-ends.html)

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

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

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

Service syntax

```r
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"
  ),
  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` Deletes a recommendation preference, such as enhanced infrastructure metrics.
- `describe_recommendation_export_jobs` Describes recommendation export jobs created in the last seven days.
- `export_auto_scaling_group_recommendations` Exports optimization recommendations for Auto Scaling groups.
- `export_ebs_volume_recommendations` Exports optimization recommendations for Amazon EBS volumes.
- `export_ec2_instance_recommendations` Exports optimization recommendations for Amazon EC2 instances.
- `export_ecs_service_recommendations` Exports optimization recommendations for Amazon ECS services on Fargate.
- `export_lambda_function_recommendations` Exports optimization recommendations for Lambda functions.
- `export_license_recommendations` Export optimization recommendations for your licenses.
get_auto_scaling_group_recommendations
get_ebs_volume_recommendations
get_ec2_instance_recommendations
get_ec2_recommendationProjected_metrics
get_ecs_service_recommendationProjected_metrics
get_ecs_service_recommendations
get_effective_recommendation_preferences
get_enrollment_status
get_enrollment_statuses_for_organization
get_lambda_function_recommendations
get_license_recommendations
get_recommendation_preferences
get_recommendation_summaries
put_recommendation_preferences
update_enrollment_status

Returns Auto Scaling group recommendations
Returns Amazon Elastic Block Store (Amazon EBS) volume recommendations
Returns Amazon EC2 instance recommendations
Returns the projected utilization metrics of Amazon EC2 instance recommendations
Returns the projected metrics of Amazon ECS service recommendations
Returns Amazon ECS service recommendations
Returns the recommendation preferences that are in effect for a given resource
Returns the enrollment (opt in) status of an account to the Compute Optimizer service
Returns the Compute Optimizer enrollment (opt-in) status of organization member accounts
Returns Lambda function recommendations
Returns license recommendations for Amazon EC2 instances that run on a specific license
Returns existing recommendation preferences, such as enhanced infrastructure metrics
Returns the optimization findings for an account
Creates a new recommendation preference or updates an existing recommendation preference
Updates the enrollment (opt in and opt out) status of an account to the Compute Optimizer service

Examples

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

## End(Not run)
```

---

**Amazon Elastic Compute Cloud**

**Description**

Amazon Elastic Compute Cloud (Amazon EC2) provides secure and resizable computing capacity in the Amazon Web Services Cloud. Using Amazon EC2 eliminates the need to invest in hardware up front, so you can develop and deploy applications faster. Amazon Virtual Private Cloud (Amazon VPC) enables you to provision a logically isolated section of the Amazon Web Services Cloud where you can launch Amazon Web Services resources in a virtual network that you’ve defined. Amazon Elastic Block Store (Amazon EBS) provides block level storage volumes for use with EC2 instances. EBS volumes are highly available and reliable storage volumes that can be attached to any running instance and used like a hard drive.

To learn more, see the following resources:

- Amazon EC2: Amazon EC2 product page, Amazon EC2 documentation
- Amazon EBS: Amazon EBS product page, Amazon EBS documentation
- Amazon VPC: Amazon VPC product page, Amazon VPC documentation
- VPN: VPN product page, VPN documentation
Usage

e2(config = list(), credentials = list(), endpoint = NULL, region = NULL)

Arguments

cconfig 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-endpoints.html

credenti 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

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

Operations

- `accept_address_transfer`: Accepts an Elastic IP address transfer
- `accept_reserved_instances_exchange_quote`: Accepts the Convertible Reserved Instance exchange quote
- `accept_transit_gateway_multicast_domain_associations`: Accepts a request to associate subnets with a transit gateway multicast domain
- `accept_transit_gateway_peering_attachment`: Accepts a transit gateway peering attachment request
- `accept_transit_gateway_vpc_attachment`: Accepts a request to attach a VPC to a transit gateway
- `accept_vpc_endpoint_connections`: Accepts connection requests to your VPC endpoint service
- `accept_vpc_peering_connection`: Accept a VPC peering connection request
- `advertise_byoip_cidr`: Advertises an IPv4 or IPv6 address range that is provisioned for use with your Amazon Web Services resources through bring your own IP addresses (BYOIP)
- `allocate_address`: Allocates an Elastic IP address to your Amazon Web Services account
- `allocate_hosts`: Allocates a Dedicated Host to your account
- `allocate_ipam_pool_cidr`: Allocate a CIDR from an IPAM pool
- `apply_security_groups_to_client_vpn_target_network`: Applies a security group to the association between the target network and the Client VPN endpoint
- `assign_ipv_6_addresses`: Assigns one or more IPv6 addresses to the specified network interface
- `assign_private_ip_addresses`: Assigns one or more secondary private IP addresses to the specified network interface
assign_private_nat_gateway_address
associate_address
associate_client_vpn_target_network
associate_dhcp_options
associate_enclave_certificate_iam_role
associate_iam_instance_profile
associate_instance_event_window
associate_ipam_resource_discovery
associate_nat_gateway_address
associate_route_table
associate_subnet_cidr_block
associate_transit_gateway_multicast_domain
associate_transit_gateway_policy_table
associate_transit_gateway_route_table
associate_trunk_interface
associate_vpc_cidr_block
attach_classic_link_vpc
attach_internet_gateway
attach_network_interface
attach_verified_access_trust_provider
attach_volume
attach_vpn_gateway
authorize_client_vpn_ingress
authorize_security_group_egress
authorize_security_group_ingress
bundle_instance
cancel_bundle_task
cancel_capacity_reservation
cancel_capacity_reservation_fleets
cancel_conversion_task
cancel_export_task
cancel_image_launch_permission
cancel_import_task
cancel_reserved_instances_listing
cancel_spot_fleet_requests
cancel_spot_instance_requests
confirm_product_instance
copy_fpga_image
copy_image
copy_snapshot
create_capacity_reservation
create_capacity_reservation_fleet
create_carrier_gateway
create_client_vpn_endpoint
create_client_vpn_route
create_coip_cidr
create_coip_pool
create_customer_gateway

Assigns one or more private IPv4 addresses to a public NAT gateway
Associates an Elastic IP address, or carrier IP address, with an instance or a network interface
Associates a target network with a Client VPN endpoint
Associates a set of DHCP options (that you’ve previously created) with the specified VPC, or associates no DHCP options with the VPC
Associates an Identity and Access Management (IAM) role with a Certificate Manager (ACM) certificate
Associates an IAM instance profile with a running or stopped instance
Associates one or more targets with an event window
Associates an IPAM discovery resource with an Amazon VPC Private Addressing (PVA) or other IPAM
Associates a subnet in your VPC or an internet gateway with an EIP
Associates a CIDR block with your subnet
Associates the specified subnets and transit gateway attachments with the specified transit gateway multicast domain
Associates the specified attachment with a transit gateway policy table
Associates the specified transit gateway attachment with the specified transit gateway route table
This API action is currently in limited preview only
Associates a CIDR block with your VPC
This action is deprecated
Attaches an internet gateway or a virtual private gateway to a VPC
Attaches a network interface to an instance
Attaches the specified Amazon Web Services (AWS) VPC to a VIF
Attaches an EBS volume to a running or stopped instance
Attaches a virtual private gateway to a VPC
Adds an ingress authorization rule to a Client VPN endpoint
Adds the specified outbound (egress) rules to a security group
Adds the specified inbound (ingress) rules to a security group
Bundles an Amazon instance store-backed Windows instance
Cancels a bundling operation for an instance store
Cancels the specified Capacity Reservation, release capacity, and terminate all associated running instances
Cancels one or more Capacity Reservation Fleets
Cancels an active conversion task
Cancels an active export task
Removes your Amazon Web Services account from the launch permissions for the specified AMI
Cancels an in-process import virtual machine or import snapshot task
Cancels the specified Reserved Instance listing in the AWS Marketplace
Cancels the specified Spot Fleet requests
Cancels one or more Spot Instance requests
Determines whether a product code is associated with an Amazon instance
Copies the specified Amazon FPGA Image (AFI)
Initiates the copy of an AMI
Copies a point-in-time snapshot of an EBS volume
Creates a new Capacity Reservation with the specified attributes
Creates a Capacity Reservation Fleet
Creates a carrier gateway
Creates a Client VPN endpoint
Adds a route to a network to a Client VPN endpoint
Creates a range of customer-owned IP addresses
Creates a pool of customer-owned IP (CoIP) addresses
Provides information to Amazon Web Services about your customer gateway device
create_default_subnet
create_default_vpc
create_dhcp_options
create_egress_only_internet_gateway
create_fleet
create_flow_logs
create_fpga_image
create_image
create_instance_connect_endpoint
create_instance_event_window
create_instance_export_task
create_internet_gateway
create_ipam
create_ipam_pool
create_ipam_resource_discovery
create_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_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_table
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_default_subnet
Creates a default subnet with a size /20 IPv4 CIDR block in the specified Availability Zone in your default VPC
create_default_vpc
Creates a default VPC with a size /16 IPv4 CIDR block and a default subnet in each Availability Zone
create_dhcp_options
Creates a set of DHCP options for your VPC
[IPv6 only] Creates an egress-only internet gateway
create_egress_only_internet_gateway
Creates an EC2 Fleet that contains the configuration
create_fleet
Creates one or more flow logs to capture information
create_flow_logs
Creates an Amazon EBS-back K Image (AFI) from the
create_fpga_image
Creates an EC2 Instance Connect Endpoint
create_internet_gateway
Creates an internet gateway for use with a VPC
create_ipam
Create an IP address pool for Amazon VPC IP Address
create_ipam_pool
Create an IP AM
create_ipam_resource_discovery
Create an IPAM resource discovery
create_ipam_scope
Create an ED25519 or 2048-bit RSA key pair with the
create_key_pair
Create a launch template
create_launch_template
Creates a new version of a launch template
create_launch_template_version
Creates a static route for the specified local gateway
create_local_gateway_route
Creates a local gateway route table
create_local_gateway_route_table
Creates a local gateway route table virtual interface
create_local_gateway_route_table_virtual_interface_group_association
Associates the specified VPC with the specified local
create_local_gateway_route_table_vpc_association
Create a managed prefix list
create_managed_prefix_list
Create an NAT gateway in the specified subnet
create_nat_gateway
Create a network acl in a VPC
create_network_acl
Create an entry (a rule) in a network ACL with the
create_network_acl_entry
Create a Network Access Scope
create_network_insights_access_scope
Creates a path to analyze for reachability
create_network_insights_path
Creates a network interface in the specified subnet
create_network_interface
Grants an Amazon Web Services-authorized account
create_network_interface_permission
Creates a placement group in which to launch instances
create_placement_group
Create a public IPv4 address pool
create_public_ipv4_pool
Replaces the EBS-backed root volume for a running
create_replace_root_volume_task
Create a listing for Amazon EC2 Standard Reserve
create_reserved_instances_listing
Starts a task that restores an AMI from an Amazon
create_restore_image_task
Create a route in a route table within a VPC
create_route
Creates a route table for the specified VPC
create_route_table
Create a security group
create_security_group
Creates a snapshot of an EBS volume and stores it
create_snapshot
Creates crash-consistent snapshots of multiple EBS
create_snapshots
Create a data feed for Spot Instances, enabling you
create_spot_datafeed_subscription
Stores an AMI as a single object in an Amazon S3
create_store_image_task
Create a subnet in the specified VPC
create_subnet
Creates a subnet CIDR reservation
create_subnet_cidr_reservation
Add s or overwrites only the specified tags for the
create_tags
Create a Traffic Mirror filter
create_traffic_mirror_filter
Create a 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_multicast_domain
create_transit_gateway_peering_attachment
create_transit_gateway_policy_table
create_transit_gateway_prefix_list_reference
create_transit_gateway_route
create_transit_gateway_route_table
create_transit_gateway_route_table_announcement
create_transit_gateway_vpc_attachment
create_verified_access_endpoint
create_verified_access_group
create_verified_access_instance
create_verified_access_trust_provider
create_volume
create_vpc
create_vpc_endpoint
create_vpc_endpoint_connection_notification
create_vpc_endpoint_service_configuration
create_vpc_peering_connection
create_vpn_connection
create_vpn_connection_route
create_vpn_gateway
delete_carrier_gateway
delete_client_vpn_endpoint
delete_client_vpn_route
delete_coip_cidr
delete_coip_pool
delete_customer_gateway
delete_dhcp_options
delete_egress_only_internet_gateway
delete_fleets
delete_flow_logs
delete_fpga_image
delete_instance_connect_endpoint
delete_instance_event_window
delete_internet_gateway
delete_ipam
delete_ipam_pool
delete_ipam_resource_discovery
delete_ipam_scope
delete_key_pair
delete_launch_template
delete_launch_template_versions
delete_local_gateway_route

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 multicast domain using the specified transit gateway
Requests a transit gateway peering attachment between a transit gateway policy table
Creates a reference (route) to a prefix list in a specified transit gateway
Creates a static route for the specified transit gateway
Creates a route table for the specified transit gateway
Advertises a new transit gateway route table
Attaches the specified VPC to the specified transit gateway
An Amazon Web Services Verified Access endpoint
An Amazon Web Services Verified Access group
An Amazon Web Services Verified Access instance
A trust provider is a third-party entity that creates an EBS volume that can be attached to an
Creates a VPC with the specified CIDR blocks
Creates a VPC endpoint
Creates a connection notification for a specified VPC endpoint
Creates a VPC endpoint service to which service consumer
Requests a VPC peering connection between two transit gateways
Creates a VPN connection between an existing VPC
Creates a static route associated with a VPN connection
Creates a virtual private gateway
Deletes a carrier gateway
Deletes the specified Client VPN endpoint
Deletes a route from a Client VPN endpoint
Deletes a range of customer-owned IP addresses
Deletes a pool of customer-owned IP (CoIP) addresses
Deletes the specified customer gateway
Deletes the specified set of DHCP options
Deletes an egress-only internet gateway
Deletes the specified EC2 Fleets
Deletes one or more flow logs
Deletes the specified Amazon FPGA Image (AFI)
Deletes the specified EC2 Instance Connect Endpoint
Deletes the specified event window
Deletes the specified internet gateway
Delete an IPAM
Delete an IPAM pool
Deletes an IPAM resource discovery
Delete the scope for an IPAM
Deletes the specified key pair, by removing the public key
Deletes a launch template
Deletes one or more versions of a launch template
Deletes the specified route from the specified local gateway
delete_local_gateway_route_table
 delete_local_gateway_route_table_virtual_interface_group_association
 delete_local_gateway_route_table_vpc_association
 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_ipv_4_pool
 delete_queued_reserved_instances
 delete_route
 delete_route_table
 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_connect
 delete_transit_gateway_connect_peer
 delete_transit_gateway_multicast_domain
 delete_transit_gateway_peering_attachment
 delete_transit_gateway_policy_table
 delete_transit_gateway_prefix_list_reference
 delete_transit_gateway_route
 delete_transit_gateway_route_table
 delete_transit_gateway_route_table_announcement
 delete_transit_gateway_vpc_attachment
 delete_verified_access_endpoint
 delete_verified_access_group
 delete_verified_access_instance
 delete_verified_access_trust_provider
 delete_volume
 delete_vpc
 delete_vpc_endpoint_connection_notifications
 delete_vpc_endpoints
 delete_vpc_endpoint_service_configurations

ec2

Deletes a local gateway route table
 Deletes a local gateway route table virtual interface group association
 Deletes the specified association between a VPC and local gateway
 Deletes the specified managed prefix list
 Deletes the specified NAT gateway
 Deletes the specified network ACL
 Deletes the specified ingress or egress entry (rule)
 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 Instances
 Deletes the specified route from the specified route table
 Deletes the specified route table
 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 the specified Connect attachment
 Deletes the specified Connect peer
 Deletes the specified transit gateway multicast domain
 Deletes a transit gateway peering attachment
 Deletes the specified transit gateway policy table
 Deletes a reference (route) to a prefix list in a specified Transit Gateway
 Deletes the specified route from the specified transit gateway
 Deletes the specified transit gateway route table
 Advertises to the transit gateway that a transit gateway route table is deleted
 Deletes the specified VPC attachment
 Delete an Amazon Web Services Verified Access endpoint
 Delete an Amazon Web Services Verified Access group
 Delete an Amazon Web Services Verified Access instance
 Delete an Amazon Web Services Verified Access trust provider
 Deletes the specified EBS volume
 Deletes the specified VPC
 Deletes the specified VPC endpoint connection notification
 Deletes the specified VPC endpoints
 Deletes the specified VPC endpoint service configuration
delete_vpc_peering_connection
Delete a VPC peering connection

delete_vpn_connection
Deletes the specified VPN connection

delete_vpn_connection_route
Deletes the specified static route associated with the specified VPN connection

delete_vpn_gateway
Deletes the specified virtual private gateway

deprovision_byoip_cidr
Releases the specified address range that you provisioned for use with your Amazon Web Services resources through bring your own IP addresses (BYOIP) and deletes the corresponding address pool

deprovision_ipam_pool_cidr
Deprovision a CIDR provisioned from an IPAM pool

deprovision_public_ipv_4_pool_cidr
Deprovision a CIDR from a public IPv4 pool

deregister_image
Deregisters the specified AMI

deregister_instance_event_notification_attributes
Deregisters the specified tags to prevent tags that have the specified tag keys from being included in scheduled event notifications for resources in the Region

deregister_transit_gateway_multicast_group_members
Deregisters the specified members (network interfaces) from the transit gateway multicast group

deregister_transit_gateway_multicast_group_sources
Deregisters the specified sources (network interfaces) from the transit gateway multicast group

describe_account_attributes
Describes attributes of your Amazon Web Services account

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 addresses

describe_address_transfers
Describes an Elastic IP address transfer

describe_aggregate_id_format
Describes the longer ID format settings for all resource types in a specific Region

describe_availability_zones
Describes the Availability Zones, Local Zones, and Wavelength Zones that are available to you

describe_aws_network_performance_metric_subscriptions
Describes the current Infrastructure Performance metric subscriptions

describe_bundle_tasks
Describes the specified bundle tasks or all of your bundle tasks

describe_byoip_cids
Describes the customer-owned address pools associated with the specified CIDR or all of your customer-owned address pools

describe_capacity_reservation_fleets
Describes one or more Capacity Reservation Fleets

describe_capacity_reservations
Describes one or more of your Capacity Reservations

describe_carrier_gateways
Describes one or more of your carrier gateways

describe_classic_link_instances
This action is deprecated

describe_client_vpn_authorization_rules
Describes the authorization rules for a specified Client VPN endpoint

describe_client_vpn_connections
Describes active client connections and connections that have been terminated within the last 60 minutes for the specified Client VPN endpoint

describe_client_vpn_endpoints
Describes the routes for the specified Client VPN endpoints

describe_client_vpn_routes
Describes the target networks associated with the specified Client VPN endpoint

describe_coip_pools
Describes the specified customer-owned address pools or all of your customer-owned address pools

describe_concversion_tasks
Describes one or more of your conversion tasks or all of your conversion tasks

describe_customer_gateways
Describes one or more of your哩 yer capacity reservations

describe_dhcp_options
Describes one or more of your DHCP options sets

describe_egress_only_internet_gateways
Describes the Elastic Graphics accelerator associated with your instances

describe_elastic_gpus
Describes the Elastic Graphics accelerator associated with your instances

describe_export_image_tasks
Describes the specified export image tasks or all of your export image tasks

describe_export_tasks
Describes the specified export instance tasks or all of your export instance tasks

describe_fast_launch_images
Describe details for Windows AMIs that are configured for faster launching

describe_fast_snapshot_restores
Describes the state of fast snapshot restores for your snapshots

describe_fleet_history
Describes the events for the specified EC2 Fleet during the specified time

describe_fleet_instances
Describes the running instances for the specified EC2 Fleet

describe_fleets
Describes the specified EC2 Fleets or all of your EC2 Fleets

describe_flow_logs
Describes one or more flow logs

describe_fpga_image_attribute
Describes the specified attribute of the specified Amazon FPGA Image (AFI)

describe_fpga_images
Describes the Amazon FPGA Images (AFIs) available to you

describe_host_reservation_offerings
Describes reservations that are associated with Dedicated Hosts

describe_host_reservations
Describes the specified Dedicated Hosts or all your Dedicated Hosts

describe_hosts
Describes the specified Dedicated Hosts or all your Dedicated Hosts
describe_iam_instance_profile_associations
describe_identity_id_format
describe_id_format
describe_image_attribute
describe_images
describe_import_image_tasks
describe_import_snapshot_tasks
describe_instance_attribute
describe_instance_connect_endpoints
describe_instance_credit_specifications
describe_instance_event_notification_attributes
describe_instance_event_windows
describe_instances
describe_instance_status
describe_instance_type_offerings
describe_instance_types
describe_instance_type_offers
describe_internet_gateways
describe_ipam_pools
describe_ipam_resource_discoveries
describe_ipam_resource_discovery_associations
describe_ipams
describe_ipam_scopes
describe_ipv_6_pools
describe_key_pairs
describe_launch_templates
describe_launch_template_versions
describe_local_gateway_route_tables
describe_local_gateway_route_table_virtual_interface_group_associations
describe_local_gateway_route_table_vpc_associations
describe_local_gateways
describe_local_gateway_virtual_interface_groups
describe_local_gateway_virtual_interfaces
describe_managed_prefix_lists
describe_moving_addresses
describe_nat_gateways
describe_network_acls
describe_network_insights_access_scope_analyses
describe_network_insights_access_scopes
describe_network_insights_analyses
describe_network_insights_paths
describe_network_interface_attribute
describe_network_interface_permissions
describe_network_interfaces
describe_placement_groups
describe_prefix_lists
describe_principal_id_format
describe_public_ipv_4_pools
describe_regions

describe_iam_instance_profile_associations
Describes your IAM instance profile associations

describe_identity_id_format
Describes the ID format settings for resources for the specified user. 

describe_id_format
Describes the ID format settings for your resources on a per-Region basis, for example, to view which resource types are enabled for longer IDs.

describe_image_attribute
Describes the specified attribute of the specified AMI.

describe_images
Describes the specified images (AMIs, AKIs, and ARIs) available to you or all of the images available to you.

describe_import_image_tasks
Displays details about an import virtual machine or import snapshot tasks that are already created.

describe_import_snapshot_tasks
Describes your import snapshot tasks.

describe_instance_attribute
Describes the specified attribute of the specified instance.

describe_instance_connect_endpoints
Describes the specified EC2 Instance Connect Endpoints.

describe_instance_credit_specifications
Describes the CPU credit option for CPU usage of the specified burstable performance instances.

describe_instance_event_notification_attributes
Describes the tag keys that are registered to appear in scheduled event notifications for resources in the current Region.

describe_instance_event_windows
Describes the specified event windows or all event windows.

describe_instances
Describes the specified instances or all of your instances.

describe_instance_status
Describes the status of the specified instances or all of your instances.

describe_instance_type_offerings
Returns a list of all instance types offered.

describe_instance_types
Describes the details of the instance types that are currently available.

describe_internet_gateways
Get information about your internet gateways.

describe_ipam_pools
Describes your IPAM address pools.

describe_ipam_resource_discoveries
Describes resource discovery association with an Amazon VPC IPAM.

describe_ipam_resource_discovery_associations
Get information about your IPAM resource discoveries.

describe_ipams
Describes your managed prefix lists and any Amazon Web Services-managed prefix lists.

describe_ipv_6_pools
Describes your IPv6 address pools.

describe_key_pairs
Describes one or more of your key pairs.

describe_launch_templates
Describes one or more launch templates.

describe_launch_template_versions
Describes one or more versions of a specified launch template.

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 interface groups and local gateway route tables.

describe_local_gateway_route_table_vpc_associations
Describes the associations between virtual interface groups and local gateway route tables.

describe_local_gateways
Describes your local gateways.

describe_local_gateway_virtual_interface_groups
Describes the specified local gateway virtual interface groups.

describe_local_gateway_virtual_interfaces
Describes the specified local gateway virtual interfaces.

describe_managed_prefix_lists
Describes your managed prefix lists.

describe_moving_addresses
Describes your managed moving addresses.

describe_nat_gateways
Describes your NAT gateways.

describe_network_acls
Describes your network ACLs.

describe_network_insights_access_scope_analyses
Describes the Network Access Scope analyses.

describe_network_insights_access_scopes
Describes the Network Access Scope associations.

describe_network_insights_analyses
Describes the Network Insights analyses.

describe_network_insights_paths
Describes the Network Insights paths.

describe_network_interface_attribute
Describes the network interface attribute.

describe_network_interface_permissions
Describes the network interface permissions.

describe_network_interfaces
Describes the network interfaces.

describe_placement_groups
Describes the placement groups.

describe_prefix_lists
Describes the prefix lists.

describe_principal_id_format
Describes the ID format settings for the root user.

describe_public_ipv_4_pools
Describes the IPv4 address pools.

describe_regions
Describes the Regions that are enabled for your account.
describe_replace_root_volume_tasks
describe_reserved_instances
describe_reserved_instances_listings
describe_reserved_instances_modifications
describe_reserved_instances_offerings
describe_route_tables
describe_scheduled_instance_availability
describe_scheduled_instances
describe_security_group_references
describe_security_group_rules
describe_security_groups
describe_snapshot_attribute
describe_snapshots
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_store_image_tasks
describe_subnets
describe_tags
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_multicast_domains
describe_transit_gateway_peering_attachments
describe_transit_gateway_policy_tables
describe_transit_gateway_route_table_announcements
describe_transit_gateway_route_tables
describe_transit_gateways
describe_transit_gateway_vpc_attachments
describe_trunk_interface_associations
describe_verified_access_endpoints
describe_verified_access_groups
describe_verified_access_instance_logging_configurations
describe_verified_access_instances
describe_verified_access_trust_providers
describe_volume_attribute
describe_volumes
describe_volumes_modifications
describe_volume_status
describe_vpc_attribute

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
Describes one or more of your route tables
Finds available schedules that meet the specified criteria
Describes the specified Scheduled Instances or all Scheduled Instances
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 the specified attribute of the specified security group
Describes the specified EBS snapshots available
Describes the storage tier status of one or more Amazon EBS snapshots
Describes the data feed for Spot Instances
Describes the running instances for the specified Spot Fleet
Describes the events for the specified Spot Fleet
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 in a specified VPC
Describes the progress of the AMI store tasks
Describes one or more of your subnets
Describes the specified tags for your EC2 resources
Describes one or more Traffic Mirror filters
Describes one or more Traffic Mirror sessions
Information about one or more Traffic Mirror target VPCs
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 multicast domains
Describes your transit gateway peering attachments
Describes one or more transit gateway route policies
Describes one or more transit gateway route tables
Describes one or more transit gateways
Describes one or more VPC attachments
This API action is currently in limited preview only
Describes the specified Amazon Web Services Verified Access endpoints
Describes the specified Amazon Web Services Verified Access groups
Describes the specified Amazon Web Services Verified Access instance logging configurations
Describes the specified Amazon Web Services Verified Access instances
Describes the specified Amazon Web Services Verified Access trust providers
Describes the specified EBS volumes or all of your EBS volumes
Describes the most recent volume modification request
Describes the status of the specified volumes
Describes the specified attribute of the specified VPC
describe_vpc_classic_link
describe_vpc_classic_link_dns_support
describe_vpc_endpoint_connection_notifications
describe_vpc_endpoint_connections
describe_vpc_endpoints
describe_vpc_endpoint_service_configurations
describe_vpc_endpoint_service_permissions
describe_vpc_endpoint_services
describe_vpc_peering_connections
describe_vpcs
describe_vpn_connections
describe_vpn_gateways
detach_classic_link_vpc
detach_internet_gateway
detach_network_interface
detach_verified_access_trust_provider
detach_volume
detach_vpn_gateway
disable_address_transfer
disable_aws_network_performance_metric_subscription
disable_ebs_encryption_by_default
disable_fast_launch
disable_fast_snapshot_restores
disable_image_deprecation
disable_ipam_organization_admin_account
disable_serial_console_access
disable_transit_gateway_route_table_propagation
disable_vgw_route_propagation
disable_vpc_classic_link
disable_vpc_classic_link_dns_support
disassociate_address
disassociate_client_vpn_target_network
disassociate_enclave_certificate_iam_role
disassociate_iam_instance_profile
disassociate_instance_event_window
disassociate_ipam_resource_discovery
disassociate_nat_gateway_address
disassociate_route_table
disassociate_subnet_cidr_block
disassociate_transit_gateway_multicast_domain
disassociate_transit_gateway_policy_table
disassociate_transit_gateway_route_table
disassociate_trunk_interface
disassociate_vpc_cidr_block
enable_address_transfer
enable_aws_network_performance_metric_subscription
enable_ebs_encryption_by_default
enable_fast_launch

This action is deprecated
This action is deprecated
Describes the connection notifications for VPC endpoints
Describes the VPC endpoint connections to your VPC
Describes your VPC endpoints
Describes the VPC endpoint service configurations
Describes the principals (service consumers) that are permitted to discover your VPC endpoint service
Describes available services to which you can create a VPC endpoint
Describes one or more of your VPC peering connections
Describes one or more of your VPCs
Describes one or more of your VPN connections
Describes the VPC endpoint service permissions
Describes the VPC endpoint services
Describes the VPCs
Detaches an internet gateway from a VPC, disabling connectivity between the internet and the VPC
Detaches a network interface from an instance
Detaches the specified Amazon Web Services Volume
Detaches an EBS volume from an instance
Detaches a virtual private gateway from a VPC
Disables Elastic IP address transfer
Disables Infrastructure Performance metric subscriptions
Disables EBS encryption by default for your account
Discontinue faster launching for a Windows AMI
Disables fast snapshot restores for the specified snapshot
Cancels the depreciation of the specified AMI
Disable the IPAM account
Disables access to the EC2 serial console of all instances
Disables the specified resource attachment from propagation
Disables a virtual private gateway (VGW) from propagation
This action is deprecated
This action is deprecated
Disassociates an Elastic IP address from the instance
Disassociates a target network from the specified VPC
Disassociates an IAM role from an Amazon Virtual Private Cloud (VPC) endpoint service
Disassociates an IAM instance profile from a running instance
Disassociates one or more targets from an event window
Disassociates a resource discovery from an Amazon VPC
Disassociates secondary Elastic IP addresses (EIPs) from an instance
Disassociates a subnet or gateway from a route table
Disassociates a CIDR block from a subnet
Disassociates the specified subnets from the transit gateway
Removes the association between an an attachment and a policy table
Disassociates a resource attachment from a transit gateway
This API action is currently in limited preview only
Disassociates a CIDR block from a VPC
Enables Elastic IP address transfer
Enables Infrastructure Performance subscriptions
Enables EBS encryption by default for your account
When you enable faster launching for a Windows AMI, images are pre-provisioned, using snapshots to launch instances up to 65% faster
enable_fast_snapshot_restores
enable_image_deprecation
enable_ipam_organization_admin_account
enable_reachability_analyzer_organization_sharing
enable_serial_console_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
get_associated_enclave_certificate_iam_roles
get_associated_ipv_6_pool_cidrs
get_aws_network_performance_data
get_capacityReservation_usage
get_coip_pool_usage
get_console_output
get_console_screenshot
get_default_credit_specification
get_ebs_default_kms_key_id
get_ebs_encryption_by_default
get_flow_logs_integration_template
get_groups_for_capacity_reservation
get_host_reservation_purchase_preview
get_instance_types_from_instance_requirements
get_instance_esi_data
get_ipam_address_history
get_ipam_discovered_accounts
get_ipam_discovered_resource_cidrs
get_ipam_pool_allocations
get_ipam_pool_cidrs
get_ipam_resource_cidrs
get_launch_template_data
get_managed_prefix_list_associations
get_managed_prefix_list_entries
get_network_insights_access_scope_analysis_findings
get_network_insights_access_scope_content
get_password_data
get_reserved_instances_exchange_quote
get_serial_console_access_status
get_spot_placement_scores
get_subnet_cidr_reservations
get_transit_gateway_attachment_propagations
get_transit_gateway_multicast_domain_associations
get_transit_gateway_policy_table_associations

Enables fast snapshot restores for the specified snapshots.
Enables deprecation of the specified AMI at the specified date and time.
Enable an Organizations member account as the IPAM admin account.
Establishes a trust relationship between Reachability Analyzer and Organizations.
Enables access to the EC2 serial console of all instances.
Enables the specified attachment to propagate routes to the specified transit gateway.
Enables I/O operations for a volume that had I/O operations disabled because the data on the volume was potentially inconsistent.
This action is deprecated.
This action is deprecated.
Downloads the client certificate revocation list for the specified Client VPN endpoint.
Downloads the contents of the Client VPN endpoint configuration file.
Exports an Amazon Machine Image (AMI) to a VM file.
Exports routes from the specified transit gateway route table to an S3 bucket.
Returns the IAM roles that are associated with the specified ACM certificate.
Gets information about the IPv6 CIDR block allocations in an IPv6 address pool.
Gets network performance data.
Gets usage information about a Capacity Reservation.
Provides information about the capacity reservation for the specified instance.
Retrieves the console output configuration for the specified instance.
Downloads a JPG-format screenshot of a running instance.
Describes the default credit option for CPU usage of a burstable performance instance family.
Describes the default KMS key for EBS encryption.
Describes whether EBS encryption by default is enabled for your account.
Generates a CloudFormation template that streamlines and automates the integration of VPC flow logs with Amazon Athena.
Lists the resource groups to which a Capacity Reservation has been added.
Previews a reservation purchase with configuration parameters.
Returns a list of instance types with the specified instance requirements.
A binary representation of the UEFI variable store.
Retrieves historical information about a CIDR block.
Gets IPAM discovered accounts.
Returns the resource CIDRs that are monitored by IPAM.
Gets a list of all the CIDR allocations in an IPAM pool.
Get the CIDRs provisioned to an IPAM pool.
Returns resource CIDRs managed by IPAM in a specified region.
Retrieves the configuration data of the specified instance.
Gets information about the resources that are associated with a given CIDR block.
Gets information about the entries for a specified CIDR block.
Gets the findings for the specified Network Access Permissions.
Gets the content for the specified Network Access Permissions.
Retrieves the encrypted administrator password for an Amazon Macintosh instance.
Retrieves the access status of your account to the Spot placement score.
Calculates the Spot placement score for a Region.
Gets information about the subnet CIDR reservations.
Lists the route tables to which the specified resource is associated.
Gets information about the associations for the specified subnet.
Gets a list of the 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_group_policy
get_vpn_connection_device_sample_configuration
get_vpn_connection_device_types
get_vpn_tunnel_replacement_status
import_client_vpn_client_certificate_revocation_list
import_image
import_instance
import_key_pair
import_snapshot
import_volume
list_images_in_recycle_bin
list_snapshots_in_recycle_bin
modify_address_attribute
modify_availability_zone_group
modify_capacity_reservation
modify_capacity_reservation_fleet
modify_client_vpn_endpoint
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_credit_specification
modify_instance_event_start_time
modify_instance_event_window
modify_instance_maintenance_options
modify_instance_metadata_options
modify_instance_placement
modify_ipam
modify_ipam_pool
modify_ipam_resource_cidr
modify_ipam_resource_discovery
modify_ipam_scope
modify_launch_template
modify_local_gateway_route
modify_managed_prefix_list
modify_network_interface_attribute
modify_private_dns_name_options

Returns a list of transit gateway policy table entries.
Gets information about the prefix list references in a specified transit gateway.
Gets information about the associations for the specified transit gateway route table.
Gets information about the route table propagations for the specified transit gateway route table.
Get the Verified Access policy associated with the endpoint.
Shows the contents of the Verified Access policy associated with the group.
Download an Amazon Web Services-provided sample configuration file.
Obtain a list of customer gateway devices for which a sample configuration is available.
Get details of available tunnel endpoint maintenance.
Uploads a client certificate revocation list to the specified Client VPN endpoint.
To import your virtual machines (VMs) with a console-based experience, you can use the Import virtual machine images to Amazon Web Services template in the Migration Hub Orchestrator console.
We recommend that you use the ImportImage API.
Imports the public key from an RSA or ED25519 key pair.
Imports a disk into an EBS snapshot.
Creates an import volume task using metadata from the specified disk.
Lists one or more AMIs that are currently in the Recycle Bin.
Lists one or more snapshots that are currently in the Recycle Bin.
Modifies an attribute of the specified Elastic IP address.
Changes the opt-in status of the Local Zone and Wavelength Zone features.
Modifies a Capacity Reservation's capacity and termination protection attributes.
Modifies a Capacity Reservation Fleet.
Modifies the specified Client VPN endpoint.
Modifies the default credit option for CPU usage on a running or stopped instance.
Changes the default KMS key for EBS encryption.
Modifies the specified EC2 Fleet.
Modifies the specified attribute of the specified AMI.
Modify the auto-placement setting of a Dedicated Host.
Modify the ID format of a resource for a specific Region.
Modifies the ID format for the specified resource.
Modifies the specified attribute of the specified AMI.
Modifies the specified attribute of the specified IAM user.
Modifies the Capacity Reservation settings for a specific resource.
Modifies the credit option for CPU usage on a running or stopped instance.
Modifies the start time for a scheduled Amazon EC2 instance event.
Modifies the specified event window.
Modifies the recovery behavior of your instance to enable simplified automatic recovery.
Modifies the instance metadata parameters on a running instance.
Modifies the placement attributes for a specified instance.
Modify the configurations of an IPAM.
Modify the configurations of an IPAM pool.
Modify a resource CIDR.
Modifies a resource discovery.
Modify an IPAM scope.
Modifies a launch template.
Modifies the specified local gateway route.
Modifies the specified managed prefix list.
Modifies the specified network interface attributes.
Modifies the options for instance hostnames for all resources.
modify_reserved_instances
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_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_endpoint
modify_vpc_endpoint_connection_notification
modify_vpc_endpoint_service_configuration
modify_vpc_endpoint_service_payer_responsibility
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
move_byoip_cidr_to_ipam
provision_byoip_cidr
provision_ipam_pool_cidr
provision_public_ipv_4_pool_cidr
purchase_host_reservation
purchaseReservedInstancesOffering
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_transit_gateway_multicast_domain_associations

Modifies the configuration of your Reserved Instances.
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 reference (route) to a prefix list in a specified VPC.
Modifies the specified VPC attachment.
Modifies the configuration of the specified Amazon Web Services (AWS) VPC endpoint.
Modifies the specified Amazon Web Services (AWS) VPC endpoint service configuration.
Modifies the configuration of the specified Amazon Web Services (AWS) VPC endpoint service.
Modifies the logging configuration for the specified Amazon Web Services (AWS) VPC endpoint.
Modifies the configuration of the specified Amazon Web Services (AWS) VPC endpoint service.
You can modify several parameters of an existing Amazon Web Services (AWS) VPC endpoint service if it is not in use.
Modifies a volume attribute.
Modifies the specified attribute of the specified VPC endpoint.
Modifies attributes of a specified VPC endpoint.
Modifies a connection notification for VPC endpoint services.
Modifies the attributes of your 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 your VPC.
Modifies the instance tenancy attribute of the specified VPC.
Modifies the customer gateway or the target gateway attribute.
Modifies the connection options for your Site-to-Site (STT) VPC endpoint service.
Modifies the VPN tunnel endpoint certificate.
Modifies the options for a VPN tunnel in an AWS VPC.
This action is deprecated.
Move a BYOIP v4 CIDR to IPAM from a public IPv4 address range.
Provisions an IPv4 or IPv6 address range for use with your AWS VPC.
Provision a CIDR to an IPAM pool.
Provision a CIDR to a public IPv4 pool.
Purchase a reservation with configurations that match your needs.
Purchases a Reserved Instance for use with your AWS VPC.
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 events.
Registers members (network interfaces) with the specified VPC.
Registers sources (network interfaces) with the specified VPC.
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_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
restore_snapshot_from_recycle_bin
restore_snapshot_tier
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_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_ipv_6_addresses
unassign_private_ip_addresses
unassign_private_nat_gateway_address

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 VPC
Rejects a VPC peering connection request
Releases the specified Elastic IP address
When you no longer want to use an On-Demand Host or Release an allocation within an IPAM pool
Replaces an IAM instance profile for the specified running 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 route table
Trigger replacement of specified VPN tunnel
Submits feedback about the status of an instance
Creates a Spot Instance request
Creates a Spot Instance request
Resets the attribute of the specified IP address
Reverts the default KMS key for EBS encryption to the Amazon Web Services managed KMS key
Reset the specified attribute of the specified Amazon Image
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 snapshot
Restores a snapshot from the Recycle Bin
Restores an archived Amazon EBS snapshot for an instance
Removes an ingress authorization rule from a Client VPN endpoint
Removes the specified outbound (egress) rules from an IPAM pool
Removes the specified inbound (ingress) rules from a VPC
Launches the specified number of instances using the specified AMI
Launches the specified Scheduled Instances
Searches for routes in the specified local gateway
Searches one or more transit gateway multicast groups
Searches for routes in the specified transit gateway
Sends a diagnostic interrupt to the specified Amazon EC2 instance
Starts an Amazon EBS-backed instance that you are using
Starts analyzing the specified Network Access Scope
Starts analyzing the specified path
Initiates the verification process to prove that the AWS transport
Stops an Amazon EBS-backed instance
Terminates active Client VPN endpoint connections
Shuts down the specified instances
Unassigns one or more IPv6 addresses IPv4 Prefix Delegation prefixes from a network interface
Unassigns one or more secondary private IP addresses from a network interface
Unassigns secondary private IPv4 addresses from a network interface
### Examples
```
## Not run:
svc <- ec2()
# This example allocates an Elastic IP address.
svc$allocate_address()

## End(Not run)
```

### Description
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.

### 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 [link](https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-keystores.html).

### credentials
Optional credentials shorthand for the config parameter

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

- `profile`: The name of a profile to use. If not given, then the default profile is used.
- `anonymous`: Set anonymous credentials.

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

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

### Service syntax

```r
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"
  ),
)```

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.
ecr

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

**Operations**

- **send_serial_console_ssh_public_key**: Pushes an SSH public key to the specified EC2 instance
- **send_ssh_public_key**: Pushes an SSH public key to the specified EC2 instance for use by the specified user

**Examples**

```r
## 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 AAAAB3NzaC1yc2EAAAADAQABAAABAQ..."
)
## End(Not run)
```

---

**ecr**

**Amazon EC2 Container Registry**

**Description**

Amazon Elastic Container Registry

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

cfg                  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-endpoints.html

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

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

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

Value

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

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

Operations

- **batch_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**: Informs Amazon ECR that the image layer upload has completed for a specified registry, repository name, and upload ID
- **create_pull_through_cache_rule**: Creates a pull through cache rule
- **create_repository**: Creates a repository
- **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
- **delete_repository_policy**: Deletes the repository policy associated with the specified repository
- **describe_image_replication_status**: Returns the replication status for a specified image
- **describe_images**: Returns metadata about the images in a repository
describe_image_scan_findings
describe_pull_through_cache_rules
describe_registry
describeRepositories
get_authorization_token
get_download_url_for_layer
get_lifecycle_policy
get_lifecycle_policy_preview
get_registry_policy
get_registry_scanning_configuration
get_repository_policy
initiate_layer_upload
list_images
list_tags_for_resource
put_image
put_image_scanning_configuration
put_image_tag_mutability
put_lifecycle_policy
put_registry_policy
put_registry_scanning_configuration
put_replication_configuration
set_repository_policy
start_image_scan
start_lifecycle_policy_preview
tag_resource
untag_resource
upload_layer_part

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>describe_image_scan_findings</td>
<td>Returns the scan findings for the specified image</td>
</tr>
<tr>
<td>describe_pull_through_cache_rules</td>
<td>Returns the pull through cache rules for a registry</td>
</tr>
<tr>
<td>describe_registry</td>
<td>Describes the settings for a registry</td>
</tr>
<tr>
<td>describeRepositories</td>
<td>Describes image repositories in a registry</td>
</tr>
<tr>
<td>get_authorization_token</td>
<td>Retrieves an authorization token</td>
</tr>
<tr>
<td>get_download_url_for_layer</td>
<td>Retrieves the pre-signed Amazon S3 download URL corresponding to an image</td>
</tr>
<tr>
<td>get_lifecycle_policy</td>
<td>Retrieves the lifecycle policy for the specified repository</td>
</tr>
<tr>
<td>get_lifecycle_policy_preview</td>
<td>Retrieves the results of the lifecycle policy preview request for the specified repository</td>
</tr>
<tr>
<td>get_registry_policy</td>
<td>Retrieves the permissions policy for a registry</td>
</tr>
<tr>
<td>get_registry_scanning_configuration</td>
<td>Retrieves the scanning configuration for a registry</td>
</tr>
<tr>
<td>get_repository_policy</td>
<td>Retrieves the repository policy for the specified repository</td>
</tr>
<tr>
<td>initiate_layer_upload</td>
<td>Notifies Amazon ECR that you intend to upload an image layer</td>
</tr>
<tr>
<td>list_images</td>
<td>Lists all the image IDs for the specified repository</td>
</tr>
<tr>
<td>list_tags_for_resource</td>
<td>List the tags for an Amazon ECR resource</td>
</tr>
<tr>
<td>put_image</td>
<td>Creates or updates the image manifest and tags associated with an image</td>
</tr>
<tr>
<td>put_image_scanning_configuration</td>
<td>The PutImageScanningConfiguration API is being deprecated, in favor of spec</td>
</tr>
<tr>
<td>put_image_tag_mutability</td>
<td>Updates the image tag mutability settings for the specified repository</td>
</tr>
<tr>
<td>put_lifecycle_policy</td>
<td>Creates or updates the lifecycle policy for the specified repository</td>
</tr>
<tr>
<td>put_registry_policy</td>
<td>Creates or updates the permissions policy for your registry</td>
</tr>
<tr>
<td>put_registry_scanning_configuration</td>
<td>Creates or updates the scanning configuration for your private registry</td>
</tr>
<tr>
<td>put_replication_configuration</td>
<td>Creates or updates the replication configuration for a registry</td>
</tr>
<tr>
<td>set_repository_policy</td>
<td>Applies a repository policy to the specified repository to control access permis</td>
</tr>
<tr>
<td>start_image_scan</td>
<td>Starts an image vulnerability scan</td>
</tr>
<tr>
<td>start_lifecycle_policy_preview</td>
<td>Starts a preview of a lifecycle policy for the specified repository</td>
</tr>
<tr>
<td>tag_resource</td>
<td>Adds specified tags to a resource with the specified ARN</td>
</tr>
<tr>
<td>untag_resource</td>
<td>Deletes specified tags from a resource</td>
</tr>
<tr>
<td>upload_layer_part</td>
<td>Uploads an image layer part to Amazon ECR</td>
</tr>
</tbody>
</table>

Examples

```r
## 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)
```
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

```r
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. `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](https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoint.html)

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

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

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

**Value**

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

**Service syntax**

```r
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"
  ),
  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, repository, and upload ID.
- **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_repositories**: Describes repositories that are in a public registry.
- **describe_registries**: Returns details for a public registry.
- **describe_registry_policy**: 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

```r
## 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. 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-endpoints.html

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

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

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

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

Service syntax

```r
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"
  ),
  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_capacity_provider`: Creates a new capacity provider
- `create_cluster`: Creates a new Amazon ECS cluster
- `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_service
delete_task_definitions
delete_task_set
deregister_container_instance
deregister_task_definition
describe_capacity_providers
describe_clusters
describe_container_instances
describe_services
describe_task_definition
describe_tasks
describe_task_sets
discover_poll_endpoint
discover_poll_endpoint
execute_command
get_task_protection
get_account_settings
list_account_settings
list_attributes
list_clusters
list_container_instances
list_services
list_services_by_namespace
list_tags_for_resource
list_task_definition_families
list_task_definitions
list_tasks
put_account_setting
put_account_setting_default
put_attributes
put_cluster_capacity_providers
register_container_instance
register_task_definition
run_task
start_task
stop_task
submit_attachment_state_changes
submit_container_state_change
submit_task_state_change
tag_resource
untag_resource
update_capacity_provider
update_cluster
update_cluster_settings
update_container_agent
update_container_instances_state
update_service
update_service_primary_task_set
update_task_protection
update_task_set

Deletes a specified service within a cluster
Deletes one or more task definitions
Deletes a specified task set within a service
Deregisters an Amazon ECS container instance from the specified cluster
Describes one or more of your capacity providers
Describes one or more of your clusters
Describes one or more container instances
Describes the specified services running in your cluster
Describes a task definition
Describes a specified task or tasks
Describes the task sets in the specified cluster and service
This action is only used by the Amazon ECS agent, and it is not intended for use outside of the agent
Runs a command remotely on a container within a task
Retrieves the protection status of tasks in an Amazon ECS service
Lists the account settings for a specified principal
Lists the attributes for Amazon ECS resources within a specified target type and cluster
Returns a list of existing clusters
Returns a list of container instances in a specified cluster
Returns a list of services
This operation lists all of the services that are associated with a Cloud Map namespace
List the tags for an Amazon ECS resource
Returns a list of task definition families that are registered to your account
Returns a list of task definitions that are registered to your account
Returns a list of tasks
Modifies an account setting
Modifies an account setting for all users on an account for whom no individual account setting has been specified
Create or update an attribute on an Amazon ECS resource
Modifies the available capacity providers and the default capacity provider strategy for a cluster
This action is only used by the Amazon ECS agent, and it is not intended for use outside of the agent
Registers a new task definition from the supplied family and containerDefinitions
Starts a new task using the specified task definition
Starts a new task from the specified task definition on the specified container instance or instances
Stops a running task
This action is only used by the Amazon ECS agent, and it is not intended for use outside of the agent
This action is only used by the Amazon ECS agent, and it is not intended for use outside of the agent
This action is only used by the Amazon ECS agent, and it is not intended for use outside of the agent
Associates the specified tags to a resource with the specified resourceArn
Deletes specified tags from a resource
Modifies the parameters for a capacity provider
Updates the cluster
Modifies the settings to use for a cluster
Updates the Amazon ECS container agent on a specified container instance
Modifies the status of an Amazon ECS container instance
Modifies the parameters of a service
Modifies which task set in a service is the primary task set
Updates the protection status of a task
Modifies a task set
Examples

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

### 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 stand up 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

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

### Arguments

- **config**: Optional configuration of credentials, endpoint, and/or region.
  - **credentials**: Optional configuration of credentials, endpoint, and/or region.
    - **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-encryption.html](https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-encryption.html)

**credentials**  
Optional credentials shorthand for the config parameter

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

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

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

**Value**

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

**Service syntax**

```r
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"
  ),
  credentials = list(
```

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

Operations

associate_encryption_config  Associate encryption configuration to an existing cluster
associate_identity_provider_config  Associate an identity provider configuration to a cluster
create_addon  Creates an Amazon EKS add-on
create_cluster  Creates an Amazon EKS control plane
create_fargate_profile  Creates a Fargate profile for your Amazon EKS cluster
create_nodegroup  Creates a managed node group for an Amazon EKS cluster
delete_addon  Delete an Amazon EKS add-on
delete_cluster  Deletes the Amazon EKS cluster control plane
delete_fargate_profile  Deletes an Fargate profile
delete_nodegroup  Deletes an Amazon EKS node group for a cluster
deregister_cluster  Deregisters a connected cluster to remove it from the Amazon EKS control plane
describe_addon  Describes an Amazon EKS add-on
describe_addon_configuration  Returns configuration options
describe_addon_versions  Returns the versions for an add-on
describe_cluster  Describes the versions for an Amazon EKS cluster
describe_fargate_profile  Returns descriptive information about an Fargate profile
describe_identity_provider_config  Returns descriptive information about an identity provider configuration
describe_nodegroup  Returns descriptive information about an Amazon EKS node group
describe_update  Returns descriptive information about an update against your Amazon EKS cluster or associated managed node group or Amazon EKS add-on
disassociate_identity_provider_config  Disassociates an identity provider configuration from a cluster
list_addons  Lists the available add-ons
list_clusters  Lists the Amazon EKS clusters in your Amazon Web Services account in the specified Region
list_fargate_profiles  Lists the Fargate profiles associated with the specified cluster in your Amazon Web Services account in the specified Region
list_identity_provider_configs  A list of identity provider configurations
list_nodegroups  Lists the Amazon EKS managed node groups associated with the specified cluster in your Amazon Web Services account in the specified Region
list_tags_for_resource  List the tags for an Amazon EKS resource
list_updates  Lists the updates associated with an Amazon EKS cluster or managed node group in your Amazon Web Services account in the specified Region
register_cluster  Connects a Kubernetes cluster to the Amazon EKS control plane
tag_resource  Associates the specified tags to a resource with the specified resourceArn
untag_resource  Deletes specified tags from a resource
update_addon  Updates an Amazon EKS add-on
update_cluster_config  Updates an Amazon EKS cluster configuration
update_cluster_version  Updates an Amazon EKS cluster to the specified Kubernetes version
update_nodegroup_config  Updates an Amazon EKS managed node group configuration
update_nodegroup_version

Updates the Kubernetes version or AMI version of an Amazon EKS managed node group.

Examples

```r
## 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-e5b91fdddb951",
  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

AWS 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 AWS Elastic Beanstalk details page. The location of the latest AWS 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 AWS 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 at-
    tempting 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

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 Op-
erations 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"
  ),
  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`: Cancels in-progress environment configuration update or application version deployment update.
- `apply_environment_managed_action`: Applies a scheduled managed action immediately.
- `associate_environment_operations_role`: Add or change the operations role used by an environment.
- `check_dns_availability`: Checks if the specified CNAME is available.
- `compose_environments`: Create or update a group of environments that each run a separate component of a single application.
- `create_application`: Creates an application that has one configuration template named default and no application versions.
- `create_application_version`: Creates an application version for the specified application.
- `create_configuration_template`: Creates an AWS Elastic Beanstalk configuration template, associated with a specific Elastic Beanstalk application.
- `create_environment`: Launches an AWS Elastic Beanstalk environment for the specified application.
- `create_platform_version`: Creates a new version of your custom platform.
- `create_storage_location`: Creates a bucket in Amazon S3 to store application versions, logs, and other files used by Elastic Beanstalk environments.
- `delete_application`: Deletes the specified application along with all associated versions and configurations.
- `delete_application_version`: Deletes the specified version from the specified application.
- `delete_configuration_template`: Deletes the specified configuration template.
delete_environment_configuration
delete_platform_version
describe_account_attributes
describe_applications
describe_application_versions
describe_configuration_options
describe_configuration_settings
describe_environment_health
describe_environment_managed_action_history
describe_environment_managed_actions
describe_environment_resources
describe_environments
describe_events
describe_instances_health
describe_platform_version
disassociate_environment_operations_role
list_available_solution_stacks
list_platform_branches
list_platform_versions
list_tags_for_resource
rebuild_environment
request_environment_info
restart_app_server
retrieve_environment_info
swap_environment_cnam_es
terminate_environment
update_application
update_application_resource_lifecycle
update_application_version
update_configuration_template
update_environment
update_tags_for_resource
validate_configuration_settings

Deletes the draft configuration associated with the running environment
Deletes the specified version of a custom platform
Returns attributes related to AWS Elastic Beanstalk that are associated with the calling AWS account
Returns the descriptions of existing applications
Retrieve a list of application versions
Describes the configuration options that are used in a particular configuration template or environment
Returns a description of the settings for the specified configuration set, that is, either a configuration template or the configuration set associated with a running environment
Lists an environment’s completed and failed managed actions
Lists an environment’s upcoming and in-progress managed actions
Returns AWS resources for this environment
Returns descriptions for existing environments
Returns list of event descriptions matching criteria up to the last 6 weeks
Retrieves detailed information about the health of instances in your AWS Elastic Beanstalk environment
Lists the platform branches available for your account in an AWS Region
Lists the platform versions available for your account in an AWS Region
Return the tags applied to an AWS Elastic Beanstalk resource
Deletes and recreates all of the AWS resources (for example: the Auto Scaling group, load balancer, etc)
Initiates a request to compile the specified type of information of the deployed environment
Causes the environment to restart the application container server running on each Amazon EC2 instance
Retrieves the compiled information from a RequestEnvironmentInfo request
Swaps the CNAMEs of two environments
Terminates the specified environment
Updates the specified application to have the specified properties
Modifies lifecycle settings for an application
Updates the specified application version to have the specified properties
Updates the specified configuration template to have the specified properties
Updates the environment description, deploys a new application version, updates the configuration settings to an entirely new configuration template, or updates select configuration option values in the running environment
Take a set of configuration settings and either a configuration template or environment as input and validate them

Examples

```r
# 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)
```
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 shared id="EMR-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**

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

**Arguments**

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

- **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-endpoints.html](https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoints.html)

`credentials`  Optional credentials shorthand for the config parameter

• **creds**:  
  – **access_key_id**: AWS access key ID  
  – **secret_access_key**: AWS secret access key  
  – **session_token**: AWS temporary session token

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

• **anonymous**: Set anonymous credentials.

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

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

**Value**

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

**Service syntax**

```r
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"
  ),
  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
create_job_template
create.managed_endpoint
create_virtual_cluster
delete_job_template
delete.managed_endpoint
delete.virtual_cluster
describe_job_run
describe_job_template
describe.managed_endpoint
describe.virtual_cluster
get.managed_endpoint_session_credentials
list_job_runs
list_job_templates
list.managed_endpoints
list_tags_for_resource
list.virtual_clusters
start_job_run
tag_resource
untag_resource

Cancels a job run
Creates a job template
Creates a managed endpoint
Creates a virtual cluster
Deletes a job template
Deletes a managed endpoint
Deletes a virtual cluster
Displays detailed information about a job run
Displays detailed information about a specified job template
Displays detailed information about a managed endpoint
Displays detailed information about a specified virtual cluster
Generate a session token to connect to a managed endpoint
Lists job runs based on a set of parameters
Lists job templates based on a set of parameters
Lists managed endpoints based on a set of parameters
Lists the tags assigned to the resources
Lists information about the specified virtual cluster
Starts a job run
Assigns tags to resources
Removes tags from resources

Examples

## Not run:
svc <- emrcontainers()
svc$cancel_job_run( Foo = 123 )
## End(Not run)
**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:StartJobRun"]`. 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**

```python
emrserverless(
    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`.

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

- **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**

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

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
- **list_applications**: Lists applications based on a set of parameters
- **list_job_runs**: Lists job runs based on a set of parameters
- **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
- **stop_application**: Stops a specified application and releases initial capacity if configured
- **tag_resource**: Assigns tags to resources
- **untag_resource**: Removes tags from resources
- **update_application**: Updates a specified application

Examples

```r
## Not run:
svc <- emrserverless()
svc$cancel_job_run(
  Foo = 123
)
## End(Not run)
```

---

**Description**

EC2 Image Builder is a fully managed Amazon Web Services service that makes it easier to automate the creation, management, and deployment of customized, secure, and up-to-date "golden" server images that are pre-installed and pre-configured with software and settings to meet specific IT standards.

**Usage**

```r
imagebuilder(
  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-endpoints.html

credentials Optional credentials shorthand for the config parameter

  • creds:
    – access_key_id: AWS access key ID
    – secret_access_key: AWS secret access key
    – session_token: AWS temporary session token

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

  • anonymous: Set anonymous credentials.

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

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

Value

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

Service syntax

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

Operations

cancel_image_creation  CancelImageCreation cancels the creation of Image
create_component       Creates a new component that can be used to build, validate, test, and assess your image
create_container_recipe Creates a new container recipe
create_distribution_configuration Creates a new distribution configuration
create_image          Creates a new image
create_image_pipeline Creates a new image pipeline
create_image_recipe   Creates a new image recipe
create_infrastructure_configuration Creates a new infrastructure configuration
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
get_component         Gets a component object
get_component_policy   Gets a component policy
get_container_recipe  Retrieves a container recipe
get_container_recipe_policy Retrieves the policy for a container recipe
get_distribution_configuration Gets a distribution configuration
get_image
get_image_pipeline
get_image_policy
get_image_recipe
get_image_recipe_policy
get_infrastructure_configuration
get_workflow_execution
get_workflow_step_execution
import_component
import_vm_image
list_component_build_versions
list_components
list_container_recipes
list_distribution_configurations
list_image_build_versions
list_image_packages
list_image_pipeline_images
list_image_pipelines
list_image_recipes
list_images
list_image_scan_finding_aggregations
list_image_scan_findings
list_infrastructure_configurations
list_tags_for_resource
list_workflow_executions
list_workflow_step_executions
put_component_policy
put_container_recipe_policy
put_image_policy
put_image_recipe_policy
start_image_pipeline_execution
tag_resource
untag_resource
update_distribution_configuration
update_image_pipeline
update_infrastructure_configuration

get_image
get_image_pipeline
get_image_policy
get_image_recipe
get_image_recipe_policy
get_infrastructure_configuration
get_workflow_execution
get_workflow_step_execution
import_component
import_vm_image
list_component_build_versions
list_components
list_container_recipes
list_distribution_configurations
list_image_build_versions
list_image_packages
list_image_pipeline_images
list_image_pipelines
list_image_recipes
list_images
list_image_scan_finding_aggregations
list_image_scan_findings
list_infrastructure_configurations
list_tags_for_resource
list_workflow_executions
list_workflow_step_executions
put_component_policy
put_container_recipe_policy
put_image_policy
put_image_recipe_policy
start_image_pipeline_execution
tag_resource
untag_resource
update_distribution_configuration
update_image_pipeline
update_infrastructure_configuration

get_image
get_image_pipeline
get_image_policy
get_image_recipe
get_image_recipe_policy
get_infrastructure_configuration
get_workflow_execution
get_workflow_step_execution
import_component
import_vm_image
list_component_build_versions
list_components
list_container_recipes
list_distribution_configurations
list_image_build_versions
list_image_packages
list_image_pipeline_images
list_image_pipelines
list_image_recipes
list_images
list_image_scan_finding_aggregations
list_image_scan_findings
list_infrastructure_configurations
list_tags_for_resource
list_workflow_executions
list_workflow_step_executions
put_component_policy
put_container_recipe_policy
put_image_policy
put_image_recipe_policy
start_image_pipeline_execution
tag_resource
untag_resource
update_distribution_configuration
update_image_pipeline
update_infrastructure_configuration

get_image
get_image_pipeline
get_image_policy
get_image_recipe
get_image_recipe_policy
get_infrastructure_configuration
get_workflow_execution
get_workflow_step_execution
import_component
import_vm_image
list_component_build_versions
list_components
list_container_recipes
list_distribution_configurations
list_image_build_versions
list_image_packages
list_image_pipeline_images
list_image_pipelines
list_image_recipes
list_images
list_image_scan_finding_aggregations
list_image_scan_findings
list_infrastructure_configurations
list_tags_for_resource
list_workflow_executions
list_workflow_step_executions
put_component_policy
put_container_recipe_policy
put_image_policy
put_image_recipe_policy
start_image_pipeline_execution
tag_resource
untag_resource
update_distribution_configuration
update_image_pipeline
update_infrastructure_configuration

get_image
get_image_pipeline
get_image_policy
get_image_recipe
get_image_recipe_policy
get_infrastructure_configuration
get_workflow_execution
get_workflow_step_execution
import_component
import_vm_image
list_component_build_versions
list_components
list_container_recipes
list_distribution_configurations
list_image_build_versions
list_image_packages
list_image_pipeline_images
list_image_pipelines
list_image_recipes
list_images
list_image_scan_finding_aggregations
list_image_scan_findings
list_infrastructure_configurations
list_tags_for_resource
list_workflow_executions
list_workflow_step_executions
put_component_policy
put_container_recipe_policy
put_image_policy
put_image_recipe_policy
start_image_pipeline_execution
tag_resource
untag_resource
update_distribution_configuration
update_image_pipeline
update_infrastructure_configuration

Examples

```r
## Not run:
svc <- imagebuilder()
svc$cancel_image_creation(
  Foo = 123
)

## End(Not run)
```
Lambda

**Description**

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-endpoints.html

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

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

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

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

Service syntax

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

Operations

- `add_layer_version_permission`: Adds permissions to the resource-based policy of a version of an Lambda layer
- `add_permission`: Grants an Amazon Web Service, Amazon Web Services account, or Amazon Web Services organization permission to use a function
- `create_alias`: Creates an alias for a Lambda function version
- `create_code_signing_config`: Creates a code signing configuration
- `create_event_source_mapping`: Creates a mapping between an event source and an Lambda function
- `create_function`: Creates a Lambda function
- `create_function_url_config`: Creates a Lambda function URL with the specified configuration parameters
- `delete_alias`: Deletes a Lambda function alias
delete_codeSigningConfig  | Deletes the code signing configuration
delete_eventSourceMapping  | Deletes an event source mapping
delete_function  | Deletes a Lambda function
delete_function_codeSigningConfig  | Removes the code signing configuration from the function
delete_function_concurrency  | Removes a concurrent execution limit from a function
delete_function_eventInvokeConfig  | Deletes the configuration for asynchronous invocation for a function, version, or alias
delete_function_urlConfig  | Deletes a Lambda function URL
delete_layerVersion  | Deletes a version of an Lambda layer
delete_provisionedConcurrencyConfig  | Deletes the provisioned concurrency configuration for a function
get_accountSettings  | Retrieves details about your account’s limits and usage in an Amazon Web Services Region
get_alias  | Returns details about a Lambda function alias
get_codeSigningConfig  | Returns information about the specified code signing configuration
get_eventSourceMapping  | Returns details about an event source mapping
get_function  | Returns information about the function or function version, with a link to download the deployment package
get_function_codeSigningConfig  | Returns the code signing configuration for the specified function
get_function_concurrency  | Returns details about the reserved concurrency configuration for a function
get_function_configuration  | Returns the version-specific settings of a Lambda function or version
get_function_eventInvokeConfig  | Retrieves the configuration for asynchronous invocation for a function, version, or alias
get_function_urlConfig  | Returns details about a Lambda function URL
get_layerVersion  | Returns information about a version of an Lambda layer, with a link to download the layer archive
get_layerVersion_by_arn  | Returns information about a version of an Lambda layer, with a link to download the layer archive
get_layerVersionPolicy  | Returns the permission policy for a version of an Lambda layer
get_policy  | Returns the resource-based IAM policy for a function, version, or alias
get_provisionedConcurrencyConfig  | Retrieves the provisioned concurrency configuration for a function’s alias or version
get_runtimeConcurrencyConfiguration  | Retrieves the runtime management configuration for a function’s version
invoke  | Invokes a Lambda function
invoke_async  | For asynchronous function invocation, use Invoke
invokeWithResponseStream  | Configure your Lambda functions to stream response payloads back to clients
list_aliases  | Returns a list of aliases for a Lambda function
list_codeSigningConfigs  | Returns a list of code signing configurations
list_eventSourceMappings  | Lists event source mappings
list_functionEventInvokeConfigs  | Retrieves a list of configurations for asynchronous invocation for a function
list_functions  | Returns a list of Lambda functions, with the version-specific configuration of each
list_functions_by_codeSigningConfig  | List the functions that use the specified code signing configuration
list_functionUrlConfigs  | Returns a list of Lambda function URLs for the specified function
listLayers  | Lists Lambda layers and shows information about the latest version of each
list_layerVersions  | Lists the versions of an Lambda layer
list_provisionedConcurrencyConfigs  | Retrieves a list of provisioned concurrency configurations for a function
list_tags  | Returns a function’s tags
list_versions_by_function  | Returns a list of versions, with the version-specific configuration of each
publish_layerVersion  | Creates an Lambda layer from a ZIP archive
publish_version  | Creates a version from the current code and configuration of a function
put_function_codeSigningConfig  | Update the code signing configuration for the function
put_function_concurrency  | Sets the maximum number of simultaneous executions for a function, and reserves capacity
put_function_eventInvokeConfig  | Configures options for asynchronous invocation on a function, version, or alias
put_provisionedConcurrencyConfig  | Adds a provisioned concurrency configuration to a function’s alias or version
put_runtimeConcurrencyConfiguration  | Sets the runtime management configuration for a function’s version
remove_layerVersionPermission  | Removes a statement from the permissions policy for a version of an Lambda layer
### remove_permission
Removes function-use permission from an Amazon Web Service or another Amazon Web Services account.

### tag_resource
Adds tags to a function.

### untag_resource
Removes tags from a function.

### update_alias
Updates the configuration of a Lambda function alias.

### update_code_signing_config
Updates the code signing configuration.

### update_event_source_mapping
Updates an event source mapping.

### update_function_code
Updates a Lambda function’s code.

### update_function_configuration
Modify the version-specific settings of a Lambda function.

### update_function_event_invoke_config
Updates the configuration for asynchronous invocation for a function, version, or alias.

### update_function_url_config
Updates the configuration for a Lambda function URL.

---

#### Examples

```r
## Not run:
svc <- lambda()
svc$add_layer_version_permission(
  Foo = 123
)

## End(Not run)
```

---

**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

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

Arguments

- **config**: Optional configuration of credentials, endpoint, and/or region.
  - **credentials**: Short-hand 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**: 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-endpoints.html](https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoints.html)

- **credentials**: Optional credentials shorthand for the config parameter
  - **creds**: Short-hand for the config parameter
  - **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"
  ),
  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**: Allocates a static IP address
- **attach_certificate_to_distribution**: Attaches an SSL/TLS certificate to your Amazon Lightsail content delivery network (CDN) distribution
- **attach_disk**: Attaches a block storage disk to a running or stopped Lightsail instance and exposes it to the instance with the specified disk name
- **attach_instances_to_load_balancer**: Attaches one or more Lightsail instances to a load balancer
- **attach_load_balancer_tls_certificate**: Attaches a Transport Layer Security (TLS) certificate to your load balancer
- **attach_static_ip**: Attaches a static IP address to a specific Amazon Lightsail instance
- **close_instance_public_ports**: Closes ports for a specific Amazon Lightsail instance
- **copy_snapshot**: Copies a manual snapshot of an instance or disk as another manual snapshot, or copies an automatic snapshot of an instance or disk as a manual snapshot
- **create_bucket**: Creates an Amazon Lightsail bucket
- **create_bucket_access_key**: Creates a new access key for the specified Amazon Lightsail bucket
- **create_certificate**: Creates an SSL/TLS certificate for an Amazon Lightsail content delivery network
- **create_cloud_formation_stack**: Creates an AWS CloudFormation stack, which creates a new Amazon EC2 instance
- **create_contact_method**: Creates an email or SMS text message contact method
- **create_container_service**: Creates an Amazon Lightsail container service
lightssail

create_container_service_deployment
create_container_service_registry_login
create_disk
create_disk_from_snapshot
create_disk_snapshot
create_distribution
create_domain
create_domain_entry
create_gui_session_access_details
create_instances
create_instances_from_snapshot
create_instance_snapshot
create_key_pair
create_load_balancer
create_load_balancer_tls_certificate
create_relational_database
create_relational_database_from_snapshot
create_relational_database_snapshot
delete_alarm
delete_auto_snapshot
delete_bucket
delete_bucket_access_key
delete_certificate
delete_contact_method
delete_container_image
delete_container_service
delete_disk
delete_disk_snapshot
delete_distribution
delete_domain
delete_domain_entry
delete_instance
delete_instance_snapshot
delete_key_pair
delete_known_host_keys
delete_load_balancer
delete_load_balancer_tls_certificate
delete_relational_database
delete_relational_database_snapshot
detach_certificate_from_distribution
detach_disk
detach_instances_from_load_balancer
detach_static_ip
disable_add_on
download_default_key_pair
enable_add_on
export_snapshot
get_active_names

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
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 (e.g.,
Creates one of the following domain name system (DNS) records in a domain (e.g.,
Creates two URLs that are used to access a virtual computer's graphical user interface
Creates one or more Amazon Lightsail instances
Creates one or more new instances from a manual or automatic snapshot of an
Creates a snapshot of a specific virtual private server, or instance
Creates a custom SSH key pair that you can use with an Amazon Lightsail instance,
Creates a Lightsail load balancer
Creates an SSL/TLS certificate for an Amazon Lightsail load balancer
Creates a new database in Amazon Lightsail
Creates a new database from an existing database snapshot in Amazon Lightsail
Creates a snapshot of your database in Amazon Lightsail

Deletes an alarm
Deletes an automatic snapshot of an instance or disk
Deletes an Amazon Lightsail bucket
Deletes an access key for the specified Amazon Lightsail bucket
Deletes an SSL/TLS certificate for your Amazon Lightsail content delivery network
Deletes a contact method
Deletes a container image that is registered to your Amazon Lightsail container service
Deletes your Amazon Lightsail container service
Deletes the specified block storage disk
Deletes the specified disk snapshot
Deletes your Amazon Lightsail content delivery network (CDN) distribution
Deletes the specified domain recordset and all of its domain records
Deletes a specific domain entry
Deletes an Amazon Lightsail instance
Deletes a specific snapshot of a virtual private server (or instance)
Deletes the specified key pair by removing the public key from Amazon Lightsail
Deletes the known host key or certificate used by the Amazon Lightsail browser
Deletes a Lightsail load balancer and all its associated SSL/TLS certificates
Deletes an SSL/TLS certificate associated with a Lightsail load balancer
Deletes a database in Amazon Lightsail
Deletes a database snapshot in Amazon Lightsail
Detaches an SSL/TLS certificate from your Amazon Lightsail content delivery network
Detaches a stopped block storage disk from a Lightsail instance
Detaches the specified instances from a Lightsail load balancer
Detaches a static IP from the Amazon Lightsail instance to which it is attached
Disables an add-on for an Amazon Lightsail resource
Downloads the regional Amazon Lightsail default key pair
Enables or modifies an add-on for an Amazon Lightsail resource
Exports an Amazon Lightsail instance or block storage disk snapshot to Amazon S3
Returns the names of all active (not deleted) resources
get_alarms
get_auto_snapshots
get_blueprints
get_bucket_access_keys
get_bucket_bundles
get_bucket_metric_data
get_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_bundle
get_distribution最新的缓存重置
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
Returns information about the configured alarms
Returns the available automatic snapshots for an instance or disk
Returns the list of available instance images, or blueprints
Returns the existing access key IDs for the specified Amazon Lightsail bucket
Returns the bundles that you can apply to a Amazon Lightsail bucket
Returns the data points of a specific metric for an Amazon Lightsail bucket
Returns information about one or more Amazon Lightsail buckets
Returns the bundles that you can apply to an Amazon Lightsail instance when you create it
Returns information about one or more Amazon Lightsail SSL/TLS certificates
Returns the CloudFormation stack record created as a result of the create cloud formation stack operation
Returns information about the configured contact methods
Returns information about Amazon Lightsail containers, such as the current deployments
Returns the container images that are registered to your Amazon Lightsail container service
Returns the deployments for your Amazon Lightsail container service
Returns the data points of a specific metric of your Amazon Lightsail container service
Returns the list of powers that can be specified for your Amazon Lightsail container service
Returns information about one or more of your Amazon Lightsail container services
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 region
Returns information about a specific block storage disk snapshot
Returns information about all block storage disk snapshots in your AWS account and region
Returns the bundles that can be applied to your Amazon Lightsail content delivery network (CDN) distribution
Returns the timestamp and status of the last cache reset of a specific Amazon Lightsail content delivery network (CDN) distribution
Returns the data points of a specific metric for an Amazon Lightsail content delivery network (CDN) distribution
Returns information about one or more of your Amazon Lightsail content delivery network (CDN) distributions
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 snapshot operation
Returns information about a specific Amazon Lightsail instance, which is a virtual private server
Returns temporary SSH keys you can use to connect to a specific virtual private server
Returns the data points for the specified Amazon Lightsail instance metric, such as the number of concurrent connections
Returns the firewall port states for a specific Amazon Lightsail instance, the IP addresses allowed to connect to the instance through the ports, and the protocol
Returns information about all Amazon Lightsail virtual private servers, or instances
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 specified Lightsail load balancer
Returns a list of TLS security policies that you can apply to Lightsail load balancers
Returns information about a specific operation
Returns information about all operations
Gets operations for a specific resource (e
get_regions
get_relational_database
get_relational_database_blueprints
get_relational_database_bundles
get_relational_database_events
get_relational_database_log_events
get_relational_database_log_streams
get_relational_database_master_user_password
get_relational_database_metric_data
get_relational_database_parameters
get_relational_databases
get_relational_database_snapshot
get_relational_database_snapshots
get_static_ip
get_static_ips
import_key_pair
is_vpc_peered
open_instance_public_ports
peer_vpc
put_alarm
put_instance_public_ports
reboot_instance
reboot_relational_database
register_container_image
release_static_ip
reset_distribution_cache
send_contact_method_verification
set_ip_address_type
set_resource_access_for_bucket
start_gui_session
start_instance
start_relational_database
stop_gui_session
stop_instance
stop_relational_database
tag_resource
test_alarm
unpeer_vpc
untag_resource
update_bucket
update_bucket_bundle
update_container_service
update_distribution
update_distribution_bundle
update_domain_entry
update_instance_metadata_options
update_load_balancer_attribute
update_relational_database

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
Returns a list of available log streams for a specific database in Amazon Lightsail
Returns the current, previous, or pending versions of the master user password
Returns the data points of the specified metric for a database in Amazon Lightsail
Returns all of the runtime parameters offered by the underlying database software
Returns information about all of your databases in Amazon Lightsail
Returns information about a specific database snapshot in Amazon Lightsail
Returns information about all of your database snapshots in Amazon Lightsail
Returns information about an Amazon Lightsail static IP
Returns information about all static IPs in the user’s account
Imports a public SSH key from a specific key pair
Returns a Boolean value indicating whether your Lightsail VPC is peered
Opens ports for a specific Amazon Lightsail instance, and specifies the IP address
Opens the Lightsail VPC with the user’s default VPC
Creates or updates an alarm, and associates it with the specified metric
Opens ports for a specific Amazon Lightsail instance, and specifies the IP address
Restarts a specific instance
Restarts a specific database in Amazon Lightsail
Registers a container image to your Amazon Lightsail container service
Deletes a specific static IP from your account
Deletes currently cached content from your Amazon Lightsail content delivery network
Sends a verification request to an email contact method to ensure it’s owned
Sets the IP address type for an Amazon Lightsail resource
Sets the Amazon Lightsail resources that can access the specified Lightsail bucket
Starts a graphical user interface (GUI) session that’s used to access a virtual computer
Starts a specific Amazon Lightsail instance from a stopped state
Starts a specific database from a stopped state in Amazon Lightsail
Terminates a web-based NICE DCV session that’s used to access a virtual computer
Stops a specific Amazon Lightsail instance that is currently running
Stops a specific database that is currently running in Amazon Lightsail
Adds one or more tags to the specified Amazon Lightsail resource
Tests an alarm by displaying a banner on the Amazon Lightsail console
Unpeers the Lightsail VPC from the user’s default VPC
Deletes the specified set of tag keys and their values from the specified Amazon Lightsail resource
Updates an existing Amazon Lightsail bucket
Updates the bundle, or storage plan, of an existing Amazon Lightsail bucket
Updates the configuration of your Amazon Lightsail container service, such as its storage plan
Updates an existing Amazon Lightsail content delivery network (CDN) distribution
Updates the bundle of your Amazon Lightsail content delivery network (CDN) distribution
Updates a domain recordset after it is created
Modifies the Amazon Lightsail instance metadata parameters on a running computer
Updates the specified attribute for a load balancer
Allows the update of one or more attributes of a database in Amazon Lightsail
update_relational_database_parameters

Allows the update of one or more parameters of a database in Amazon Lightsail.

Examples

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

## End(Not run)
```

---

**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-ends.html](https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-ends.html)

**credentials**

Optional credentials shorthand for the config parameter

• **creds**:
  
  – **access_key_id**: AWS access key ID
  
  – **secret_access_key**: AWS secret access key
  
  – **session_token**: AWS temporary session token

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

• **anonymous**: Set anonymous credentials.

**endpoint**

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

**region**

Optional shorthand for AWS Region used in instantiating the client.

**Value**

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

**Service syntax**

```r
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"
  ),
  credentials = list(
    creds = list(
      access_key_id = "string",
      secret_access_key = "string",
      session_token = "string"
    ),
    profile = "string",
    anonymous = "logical"
  )
)
```
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_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

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

Examples

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

## End(Not run)
```

serverlessapplicationrepository | AWS Serverless Application Repository

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.
  - **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-endpoints.html](https://docs.aws.amazon.com/sdkref/latest/guide/feature-sts-regionalized-endpoints.html)

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

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

Value

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

```
svc <- 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"
  ),
  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 version.
- `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

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

## End(Not run)
```
Index

abort_environment_update, 46
accept_address_transfer, 16
accept_environment_account_connection, 71
accept_reserved_instances_exchange_quote, 16
accept_transit_gateway_multicast_domain_association, 16
accept_transit_gateway_peering_attachment, 16
accept_transit_gateway_vpc_attachment, 16
accept_vpc_endpoint_connections, 16
accept_vpc_peering_connection, 16
add_layer_version_permission, 59
add_permission, 59
advertise_byoip_cidr, 16
allocate_address, 16
allocate_hosts, 16
allocate_ipam_pool_cidr, 16
allocate_static_ip, 63
apply_environment_managed_action, 46
apply_security_groups_to_client_vpn_target_network, 16
apprunner, 3
assign_ipv6_addresses, 16
assign_private_ip_addresses, 16
assign_private_nat_gateway_address, 17
associate_address, 17
associate_client_vpn_target_network, 17
associate_custom_domain, 5
associate_dhcp_options, 17
associate_enclave_certificate_iam_role, 17
associate_encryption_config, 43
associate_environment_operations_role, 46
associate_iam_instance_profile, 17
associate_identity_provider_config, 43
associate_instance_event_window, 17
associate_ipam_resource_discovery, 17
associate_nat_gateway_address, 17
associate_route_table, 17
associate_subnet_cidr_block, 17
associate_transit_gateway_multicast_domain, 17
associate_transit_gateway_policy_table, 17
associate_transit_gateway_route_table, 17
associate_trunk_interface, 17
associate_vpc_cidr_block, 17
attach_certificate_to_distribution, 63
attach_classic_link_vpc, 17
attach_disk, 63
attach_instances_to_load_balancer, 63
attach_internet_gateway, 17
attach_load_balancer_tls_certificate, 63
attach_network_interface, 17
attach_network_interface, 17
attach_verified_access_trust_provider, 17
attach_volume, 17
attach_vpn_gateway, 17
authorize_client_vpn_ingress, 17
authorize_security_group_egress, 17
authorize_security_group_ingress, 17
batch, 6
batch_check_layer_availability, 33, 37
batch_delete_image, 33, 37
batch_get_image, 33
batch_get_repository_scanning_configuration, 33
braket, 9
bundle_instance, 17
cancel_bundle_task, 17
cancel_capacityReservation, 17
cancel_capacityReservationFleets, 17
cancel_componentDeployment, 71
cancel_conversion_task, 17
cancel_environment_deployment, 71
cancel_export_task, 17
cancel_image_creation, 55
cancel_image_launch_permission, 17
cancel_import_task, 17
cancel_job, 8, 11
cancel_job_run, 50, 53
cancel_quantum_task, 11
cancel_reserved_instances_listing, 17
cancel_service_instance_deployment, 71
cancel_service_pipeline_deployment, 71
cancel_spot_fleet_requests, 17
cancel_spot_instance_requests, 17
check_dns_availability, 46
close_instance_public_ports, 63
complete_layer_upload, 33, 37
compose_environments, 46
computeoptimizer, 11
confirm_product_instance, 17
copy_fpga_image, 17
copy_image, 17
copy_snapshot, 17, 63
create_addon, 43
create_alias, 59
create_application, 46, 53, 75
create_application_version, 46, 75
create_auto_scaling_configuration, 5
create_bucket, 63
create_bucket_access_key, 63
create_capacity_provider, 39
create_capacity_reservation, 17
create_capacityReservation_fleet, 17
create_carrier_gateway, 17
create_certificate, 63
create_client_vpn_endpoint, 17
create_client_vpn_route, 17
create_cloud_formation_change_set, 75
create_cloud_formation_stack, 63
create_cloud_formation_template, 75
create_cluster, 39, 43
create_code_signing_config, 59
create_coip_cidr, 17
create_coip_pool, 17
create_component, 55, 71
create_compute_envirornment, 8
create_configuration_template, 46
create_connection, 5
create_contact_method, 63
create_container_recipe, 55
create_container_service, 63
create_container_service_deployment, 64
create_container_service_registry_login, 64
create_customer_gateway, 17
create_default_subnet, 18
create_default_vpc, 18
create_dhcp_options, 18
create_disk, 64
create_disk_from_snapshot, 64
create_disk_snapshot, 64
create_distribution, 64
create_distribution_configuration, 55
create_domain, 64
create_domain_entry, 64
create_egress_only_internet_gateway, 18
create_environment, 46, 71
create_environment_account_connection, 71
create_environment_template, 71
create_environment_template_version, 71
create_event_source_mapping, 59
create_fargate_profile, 43
create_fleet, 18
create_flow_logs, 18
create_fpga_image, 18
create_function, 59
create_function_url_config, 59
create_gui_session_access_details, 64
create_image, 18, 55
create_image_pipeline, 55
create_image_recipe, 55
create_infrastructure_configuration, 55
create_instance_connect_endpoint, 18
create_instance_event_window, 18
create_instance_export_task, 18
create_instance_snapshot, 64
create_instances, 64
create_instances_from_snapshot, 64
create_internet_gateway, 18
create_ipam, 18
create_ipam_pool, 18
create_ipam_resource_discovery, 18
create_ipam_scope, 18
create_job, 11
create_job_queue, 8
create_job_template, 50
create_key_pair, 18, 64
create_launch_template, 18
create_launch_template_version, 18
create_load_balancer, 64
create_load_balancer_ttls_certificate, 64
create_local_gateway_route, 18
create_local_gateway_route_table, 18
create_local_gateway_route_table_virtual_interface_group, 18
create_local_gateway_route_table_vpc_association, 18
create_managed_endpoint, 50
create_managed_prefix_list, 18
create_nat_gateway, 18
create_network_acl, 18
create_network_acl_entry, 18
create_network_insights_access_scope, 18
create_network_insights_access_scope, 18
create_network_interface, 18
create_network_interface_permission, 18
create_nodegroup, 43
create_observability_configuration, 5
create_placement_group, 18
create_platform_version, 46
create_public_ipv4_pool, 18
create_pull_through_cache_rule, 33
create_quantum_task, 11
create_relational_database, 64
create_relational_database_from_snapshot, 64
create_relational_database_snapshot, 64
create_replace_root_volume_task, 18
create_repository, 33, 37, 71
create_reserved_instances_listing, 18
create_restore_image_task, 18
create_route, 18
create_route_table, 18
create_scheduling_policy, 8
create_security_group, 18
create_service, 5, 39, 71
create_service_instance, 71
create_service_sync_config, 71
create_service_template, 71
create_service_template_version, 71
create_snapshot, 18
create_snapshots, 18
create_spot_datafeed_subscription, 18
create_storage_location, 46
create_store_image_task, 18
create_subnet, 18
create_subnet_cidr_reservation, 18
create_tags, 18
create_template_sync_config, 71
create_traffic_mirror_filter, 18
create_traffic_mirror_filter_rule, 18
create_traffic_mirror_session, 19
create_traffic_mirror_target, 19
create_transit_gateway, 19
create_transit_gateway_connect, 19
create_transit_gateway_connect_peer, 19
create_transit_gateway_multicast_domain, 19
create_transit_gateway_peering_attachment, 19
create_transit_gateway_policy_table, 19
create_transit_gateway_prefix_list_reference, 19
create_transit_gateway_route, 19
create_transit_gateway_route_table, 19
create_transit_gateway_route_table_announcement, 19
create_transit_gateway_vpc_attachment, 19
create_verified_access_endpoint, 19
create_verified_access_group, 19
create_verified_access_instance, 19
create_verified_access_trust_provider, 19
create_virtual_cluster, 50
create_volume, 19
create_vpc, 19
create_vpc_connector, 5
create_vpc_endpoint, 19
create_vpc_endpoint_connection_notification, 19
create_vpc_endpoint_service_configuration, 19
create_vpc_ingress_connection, 5
create_vpc_peering_connection, 19
create_vpn_connection, 19
create_vpn_connection_route, 19
delete_account_setting, 39
delete_addon, 43
delete_alarm, 64
delete_alias, 59
delete_application, 46, 53, 75
delete_application_version, 46
delete_attributes, 39
delete_auto_scaling_configuration, 5
delete_auto_snapshot, 64
delete_bucket, 64
delete_bucket_access_key, 64
delete_capacity_provider, 39
delete_carrier_gateway, 19
delete_certificate, 64
delete_client_vpn_endpoint, 19
delete_client_vpn_route, 19
delete_cluster, 39, 43
delete_code_signing_config, 60
delete_coip_cidr, 19
delete_coip_pool, 19
delete_component, 55, 71
delete_compute_environment, 8
delete_configuration_template, 46
delete_connection, 5
delete_contact_method, 64
delete_container_image, 64
delete_container_recipe, 55
delete_container_service, 64
delete_customer_gateway, 19
delete_deployment, 71
delete_dhcp_options, 19
delete_disk, 64
delete_disk_snapshot, 64
delete_distribution, 64
delete_distribution_configuration, 55
delete_domain, 64
delete_domain_entry, 64
delete_egress_only_internet_gateway, 19
delete_environment, 71
delete_environment_account_connection, 71
delete_environment_configuration, 47
delete_environment_template, 71
delete_environment_template_version, 71
delete_event_source_mapping, 60
delete_fargate_profile, 43
delete_fleets, 19
delete_flow_logs, 19
delete_fpga_image, 19
delete_function, 60
delete_function_code_signing_config, 60
delete_function_concurrency, 60
delete_function_event_invoke_config, 60
delete_function_url_config, 60
delete_image, 55
delete_image_pipeline, 55
delete_image_recipe, 55
delete_infrastructure_configuration, 55
delete_instance, 64
delete_instance_connect_endpoint, 19
delete_instance_event_window, 19
delete_instance_snapshot, 64
delete_internet_gateway, 19
delete_ipam, 19
delete_ipam_pool, 19
delete_ipam_resource_discovery, 19
delete_ipam_scope, 19
delete_job_queue, 8
delete_job_template, 50
delete_key_pair, 19, 64
delete_known_host_keys, 64
delete_launch_template, 19
delete_launch_template_versions, 19
delete_layer_version, 60
delete_lifecycle_policy, 33
delete_load_balancer, 64
delete_load_balancer_tls_certificate, 64
delete_local_gateway_route, 19
INDEX

81

delete_local_gateway_route_table, 20
delete_local_gateway_route_table_virtual_interface_group_association, 20
delete_local_gateway_route_table_vpc_association, 20
delete_managed_endpoint, 50
delete_managed_prefix_list, 20
delete_nat_gateway, 20
delete_network_acl, 20
delete_network_acl_entry, 20
delete_network_insights_access_scope, 20
delete_network_insights_access_scope_analysis, 20
delete_network_insights_analysis, 20
delete_network_insights_path, 20
delete_network_interface, 20
delete_network_interface_permission, 20
delete_nodegroup, 43
delete_observability_configuration, 5
delete_placement_group, 20
delete_platform_version, 47
delete_provisioned_concurrency_config, 60
delete_public_ipv_4_pool, 20
delete_pull_through_cache_rule, 33
delete_queued_reserved_instances, 20
delete_recommendation_preferences, 13
delete_registry_policy, 33
delete_relational_database, 64
delete_relational_database_snapshot, 64
delete_repository, 33, 37, 71
delete_repository_policy, 33, 37
delete_route, 20
delete_route_table, 20
delete_scheduling_policy, 8
delete_security_group, 20
delete_service, 5, 40, 71
delete_service_sync_config, 71
delete_service_template, 71
delete_service_template_version, 71
delete_snapshot, 20
delete_spot_datafeed_subscription, 20
delete_subnet, 20
delete_subnet_cidr_reservation, 20
delete_tags, 20
delete_task_definitions, 40
delete_task_association, 20
delete_template_sync_config, 71
delete_traffic_mirror_filter, 20
delete_traffic_mirror_filter_rule, 20
delete_traffic_mirror_session, 20
delete_traffic_mirror_target, 20
delete_transit_gateway, 20
delete_transit_gateway_connect, 20
delete_transit_gateway_connect_peer, 20
delete_transit_gateway_multicast_domain, 20
delete_transit_gateway_peering_attachment, 20
delete_transit_gateway_policy_table, 20
delete_transit_gateway_prefix_list_reference, 20
delete_transit_gateway_route, 20
delete_transit_gateway_route_table, 20
delete_transit_gateway_route_table_announcement, 20
delete_transit_gateway_vpc_attachment, 20
delete_verified_access_endpoint, 20
delete_verified_access_group, 20
delete_verified_access_instance, 20
delete_verified_access_trust_provider, 20
delete_virtual_cluster, 50
delete_volume, 20
delete_vpc, 20
delete_vpc.connector, 5
delete_vpc_endpoint_connection_notifications, 20
delete_vpc_endpoint_service_configurations, 20
delete_vpc_endpoints, 20
delete_vpc_ingress_connection, 5
delete_vpc_peering_connection, 21
delete_vpn_connection, 21
delete_vpn_connection_route, 21
delete_vpn_gateway, 21
deprovision_byoip_cidr, 21
deprovision_ipam_pool_cidr, 21
deprovision_public_ipv_4_pool_cidr, 21
deregister_cluster, 43
deregister_container_instance, 40
deregister_image, 21
deregister_instance_event_notification_attributes, 21
deregister_job_definition, 8
deregister_task_definition, 40
deregister_transit_gateway_multicast_group_members, 21
deregister_transit_gateway_multicast_group_sources, 21
describe_account_attributes, 21, 47
describe_addon, 43
describe_addon_configuration, 43
describe_addon_versions, 43
describe_address_transfers, 21
describe_addresses, 21
describe_addresses_attribute, 21
describe_aggregate_id_format, 21
describe_application_versions, 47
describe_applications, 47
describe_auto_scaling_configuration, 5
describe_availability_zones, 21
describe_aws_network_performance_metric_subscriptions, 21
describe_bundle_tasks, 21
describe_byoip_cidrs, 21
describe_capacity_providers, 40
describe_capacity_reservation_fleets, 21
describe_capacity_reservations, 21
describe_carrier_gateways, 21
describe_classic_link_instances, 21
describe_client_vpn_authorization_rules, 21
describe_client_vpn_connections, 21
describe_client_vpn_endpoints, 21
describe_client_vpn_routes, 21
describe_client_vpn_target_networks, 21
describe_cluster, 43
describe_clusters, 40
describe_coip_pools, 21
describe_compute_environments, 8
describe_configuration_options, 47
describe_configuration_settings, 47
describe_container_instances, 40
describe_conversion_tasks, 21
describe_custom_domains, 5
describe_customer_gateways, 21
describe_dhcp_options, 21
describe_egress_only_internet_gateways, 21
describe_elastic_gpus, 21
describe_environment_health, 47
describe_environment_managed_action_history, 47
describe_environment_managed_actions, 47
describe_environment_resources, 47
describe_environments, 47
describe_events, 47
describe_export_image_tasks, 21
describe_export_tasks, 21
describe_fargate_profile, 43
describe_fast_launch_images, 21
describe_fast_snapshot_restores, 21
describe_fleet_history, 21
describe_fleet_instances, 21
describe_fleets, 21
describe_flow_logs, 21
describe_fpga_image_attribute, 21
describe_fpga_images, 21
describe_host_reservation_offers, 21
describe_host_reservation_offers, 21
describe_host_reservations, 21
describe_hosts, 21
describe_iam_instance_profile Associations, 22
describe_id_format, 22
describe_iam_instance_profile Associations, 22
describe_identity_id_format, 22
describe_identity_provider_config, 43
describe_image_attribute, 22
describe_image_replication_status, 33
describe_image_scan_findings, 34
describe_image_tags, 37
describe_images, 22, 33, 37
describe_import_image_tasks, 22
describe_import_snapshot_tasks, 22
describe_instance_attribute, 22
describe_instance_connect_endpoints, 22
describe_instance_credit_specifications, 22
describe_instance_event_notification_attributes, 22
describe_instance_event_windows, 22
INDEX

83

describe_instance_status, 22
describe_instance_type_offerings, 22
describe_instance_types, 22
describe_instances, 22
describe_instances_health, 47
describe_internet_gateways, 22
describe_ipam_pools, 22
describe_ipam_resource_discoveries, 22
describe_ipam_resource_discovery_associations, 22
describe_ipam_scopes, 22
describe_ipams, 22
describe_ipv6_pools, 22
describe_job_definitions, 8
describe_job_queues, 8
describe_job_run, 50
describe_job_template, 50
describe_jobs, 8
describe_key_pairs, 22
describe_launch_template_versions, 22
describe_launch_templates, 22
describe_local_gateway_route_table_virtual_interface_group_associations, 22
describe_local_gateway_route_table_virtual_interface_groups, 22
describe_local_gateway_route_table_vpc_associations, 22
describe_local_gateway_route_tables, 22
describe_local_gateway_virtual_interface_groups, 22
describe_local_gateway_virtual_interfaces, 22
describe_local_gateways, 22
describe_managed_endpoint, 50
describe_managed_prefix_lists, 22
describe_moving_addresses, 22
describe_nPluged_gateways, 22
describe_network_acls, 22
describe_network_insights_access_scope_analyses, 22
describe_network_insights_access_scopes, 22
describe_network_insights_analyses, 22
describe_network_insights_paths, 22
describe_network_interface_attribute, 22
describe_network_interface_permissions, 22
describe_network_interfaces, 22
describe_nodegroup, 43
describe_observability_configuration, 5
describe_placement_groups, 22
describe_platform_version, 47
describe_prefix_lists, 22
describe_principal_id_format, 22
describe_public_ipv4_pools, 22
describe_pull_through_cache_ruleas, 34
describe_recommendation_export_jobs, 13
describe_regions, 22
describe_registries, 37
describe_registry, 34
describe_replace_root_volume_tasks, 23
describe_rep0itories, 34, 37
describe_reserved_instances, 23
describe_reserved_instances_listings, 23
describe_reserved_instances_modifications, 23
describe_res2erved_instances_off2erings, 23
describe_security_group_details, 23
describe_route_tables, 23
describe_scheduled_instance_availability, 23
describe_scheduled_instances, 23
describe_scheduling_policies, 8
describe_security_group_references, 23
describe_security_group_rules, 23
describe_security_groups, 23
describe_service, 5
describe_services, 40
describe_snapshot_attribute, 23
describe_snapshot_tier_status, 23
describe_snapshots, 23
describe_spot_datafeed_subscription, 23
describe_spot_fleet_instances, 23
describe_spot_fleet_request_history, 23
describe_spot_fleet_requests, 23
describe_spot_instance_requests, 23
describe_spot_price_history, 23
describe_stale_security_groups, 23
describe_store_image_tasks, 23
describe_subnets, 23
describe_tags, 23
describe_task_definition, 40
describe_task_sets, 40
describe_tasks, 40
describe_traffic_mirror_filters, 23
describe_traffic_mirror_sessions, 23
describe_traffic_mirror_targets, 23
describe_transit_gateway_attachments, 23
describe_transit_gateway_connect_peers, 23
describe_transit_gateway_connects, 23
describe_transit_gateway_multicast_domains, 23
describe_transit_gateway_peering_attachments, 23
describe_transit_gateway_policy_tables, 23
describe_transit_gateway_route_table_announcements, 23
describe_transit_gateway_route_tables, 23
describe_transit_gateway_vpc_attachments, 23
describe_transit_gateways, 23
describe_trunk_interface_associations, 23
describe_update, 43
describe_verified_access_endpoints, 23
describe_verified_access_groups, 23
describe_verified_access_instance_logging_configurations, 23
describe_verified_access_instances, 23
describe_verified_access_trust_providers, 23
describe_virtual_cluster, 50
describe_volume_attribute, 23
describe_volume_status, 23
describe_volumes, 23
describe_volumes_modifications, 23
describe_vpc_attribute, 23
describe_vpc_classic_link, 24
describe_vpc_classic_link_dns_support, 24
describe_vpc_connector, 5
describe_vpc_endpoint_connection_notification, 24
describe_vpc_endpoint_connections, 24
describe_vpc_endpoint_service_configurations, 24
describe_vpc_endpoint_service_permissions, 24
describe_vpc_endpoint_services, 24
describe_vpc_endpoints, 24
describe_vpc_ingress_connection, 5
describe_vpc_peering_connections, 24
describe_vpcs, 24
describe_vpn_connections, 24
describe_vpn_gateways, 24
detach_certificate_from_distribution, 64
detach_classic_link_vpc, 24
detach_disk, 64
detach_instances_from_load_balancer, 64
detach_internet_gateway, 24
detach_network_interface, 24
detach_static_ip, 64
detach_verified_access_trust_provider, 24
detach_volume, 24
detach_vpn_gateway, 24
disable_add_on, 64
disable_address_transfer, 24
disable_aws_network_performance_metric_subscription, 24
disable_ebs_encryption_by_default, 24
disable_fast_launch, 24
disable_fast_snapshot_restores, 24
disable_image_deprecation, 24
disable_ipam_organization_admin_account, 24
disable_serial_console_access, 24
disable_transit_gateway_route_table_propagation, 24
disable_vgw_route_propagation, 24
disable_vpc_classic_link, 24
disable_vpc_classic_link_dns_support, 24
disassociate_address, 24
disassociate_client_vpn_target_network, 24
disassociate_custom_domain, 5
disassociate_enclave_certificate_iam_role, 24
disassociate_environment_operations_role, 47
disassociate_iam_instance_profile, 24
disassociate_identity_provider_config, 43
disassociate_instance_event_window, 24
disassociate_ipam_resource_discovery, 24
disassociate_nat_gateway_address, 24
disassociate_route_table, 24
disassociate_subnet_cidr_block, 24
disassociate_transit_gateway_multicast_domain, 24
disassociate_transit_gateway_policy_table, 24
disassociate_trunk_interface, 24
disassociate_vpc_cidr_block, 24
disassociate_vpc_classic_link, 24
disassociate_vpc_classic_link_dns_support, 25
execute_command, 40
export_auto_scaling_group_recommendations, 13
export_client_vpn_client_certificate_revocation_list, 25
export_client_vpn_client_configuration, 25
export_ebs_volume_recommendations, 13
export_ec2_instance_recommendations, 13
export_ecs_service_recommendations, 13
export_image, 25
export_lambda_function_recommendations, 13
export_license_recommendations, 13
export_snapshot, 64
export_transit_gateway_routes, 25
get_account_settings, 60, 71
get_active_names, 64
get_alarms, 65
get_alias, 60
get_application, 53, 75
get_application_policy, 75
getAssociated_enclave_certificate_iam_roles, 25
getAssociated_ipv6_pool_cidrs, 25
getAuthorization_token, 34, 37
get_auto_scaling_group_recommendations, 14
get_auto_snapshots, 65
get_blueprints, 65
get_bucket_access_keys, 65
get_bucket_bundles, 65
get_bucket_metric_data, 65
get_buckets, 65
get_bundles, 65
get_capacity_reservation_usage, 25
get_certificates, 65
get_cloud_formation_stack_records, 65
get_cloud_formation_template, 75
get_code_signing_config, 60
get_coip_pool_usage, 25
get_component, 55, 71
get_component_policy, 55
get_console_output, 25
get_console_screenshot, 25
get_contact_methods, 65
get_container_api_metadata, 65
get_container_images, 65
get_container_log, 65
get_container_recipe, 55
get_container_recipe_policy, 55
get_container_service_deployments, 65
get_container_service_metric_data, 65
get_container_service_powers, 65
get_container_services, 65
get_cost_estimate, 65
get_dashboard_for_job_run, 53
get_default_credit_specification, 25
get_deployment, 71
get_device, 11
get_disk, 65
get_disk_snapshot, 65
get_disks, 65
get_distribution_bundles, 65
get_distribution_configuration, 55
get_distribution_latest_cache_reset, 65
get_distribution_metric_data, 65
get_distributions, 65
get_domain, 65
get_domains, 65
get_download_url_for_layer, 34
get_ebs_default_kms_key_id, 25
get_ebs_encryption_by_default, 25
get_ebs_volume_recommendations, 14
get_ec2_instance_recommendations, 14
get_ec2_recommendation_projected_metrics, 14
get_ecs_service_recommendation_projected_metrics, 14
get_ecs_service_recommendations, 14
get_effective_recommendation_preferences, 14
get_enrollment_status, 14
get_enrollment_statuses_for_organization, 14
get_environment, 71
get_environment_account_connection, 71
get_environment_template, 71
get_environment_template_version, 71
get_event_source_mapping, 60
get_export_snapshot_records, 65
get_flow_logs_integration_template, 25
get_function, 60
get_function_code_signing_config, 60
get_function_concurrency, 60
get_function_configuration, 60
get_function_event_invoke_config, 60
get_function_url_config, 60
groups_for_capacity_reservation, 25
get_host_reservation_purchase_preview, 25
get_image, 56
get_image_pipeline, 56
get_image_policy, 56
get_image_recipe, 56
get_image_recipe_policy, 56
get_infrastructure_configuration, 56
get_instance, 65
get_instance_access_details, 65
get_instance_metric_data, 65
get_instance_port_states, 65
get_instance_snapshot, 65
get_instance_snapshots, 65
get_instance_state, 65
get_instance_types_from_instance_requirements, 25
get_instance_uefi_data, 25
get_instances, 65
get_ipam_address_history, 25
get_ipam_discovered_accounts, 25
get_ipam_discovered_resource_cidrs, 25
get_ipam_pool_allocations, 25
get_ipam_pool_cidrs, 25
get_ipam_resource_cidrs, 25
get_job, 11
get_job_run, 53
get_key_pair, 65
get_key_pairs, 65
get_lambda_function_recommendations, 14
get_launch_template_data, 25
get_layer_version, 60
get_layer_version_by_arn, 60
get_layer_version_policy, 60
get_license_recommendations, 14
get_lifecycle_policy, 34
get_lifecycle_policy_preview, 34
get_load_balancer, 65
get_load_balancer_metric_data, 65
get_load_balancer_tls_certificates, 65  
get_load_balancer_tls_policies, 65  
get_load_balancers, 65  
get_managed_endpoint_session_credentials, 50  
get_managed_prefix_list_associations, 25  
get_managed_prefix_list_entries, 25  
get_network_insights_access_scope_analysis_findings, 25  
get_network_insights_access_scope_content, 25  
get_operation, 65  
get_operations, 65  
get_operations_for_resource, 65  
get_password_data, 25  
get_policy, 60  
get_provisioned_concurrency_config, 60  
get_quantum_task, 11  
get_recommendation_preferences, 14  
get_recommendation_summaries, 14  
get_regions, 66  
get_registry_catalog_data, 37  
get_registry_policy, 34  
get_registry_scanning_configuration, 34  
get_relational_database, 66  
get_relational_database_blueprints, 66  
get_relational_database_bundles, 66  
get_relational_database_events, 66  
get_relational_database_log_events, 66  
get_relational_database_log_streams, 66  
get_relational_database_master_user_password, 66  
get_relational_database_metric_data, 66  
get_relational_database_parameters, 66  
get_relational_database_snapshot, 66  
get_relational_database_snapshots, 66  
get_relational_databases, 66  
get_repository, 72  
get_repository_catalog_data, 37  
get_repository_policy, 34, 37  
get_repository_sync_status, 72  
get_reserved_instances_exchange_quote, 25  
get_resources_summary, 72  
get_runtime_management_config, 60  
get_serial_console_access_status, 25  
get_service, 72  
get_service_instance, 72  
get_service_instance_sync_status, 72  
get_service_sync_blocker_summary, 72  
get_service_sync_config, 72  
get_service_template, 72  
get_service_template_version, 72  
get_spot_placement_scores, 25  
get_static_ip, 66  
get_static_lps, 66  
get_subnet_cidr_reservations, 25  
get_task_protection, 40  
get_template_sync_config, 72  
get_template_sync_status, 72  
get_transit_gateway_attachment_propagations, 25  
get_transit_gateway_multicast_domain_associations, 25  
get_transit_gateway_policy_table_associations, 25  
get_transit_gateway_policy_table_entries, 26  
get_transit_gateway_prefix_list_references, 26  
get_transit_gateway_route_table_associations, 26  
get_transit_gateway_route_table_propagations, 26  
get_verified_access_endpoint_policy, 26  
get_verified_access_group_policy, 26  
get_vpn_connection_device_sample_configuration, 26  
get_vpn_connection_device_types, 26  
get_vpn_tunnel Replacement_status, 26  
get_workflow_execution, 56  
get_workflow_step_execution, 56  
imagebuilder, 53  
import_client_vpn_client_certificate_revocation_list, 26  
import_component, 56  
import_image, 26  
import_instance, 26  
import_key_pair, 26, 66  
import_snapshot, 26  
import_vm_image, 56
import_volume, 26
initiate_layer_upload, 34, 37
invoke, 60
invoke_async, 60
invoke_with_response_stream, 60
is_vpc_peered, 66
lambda, 57
lightsail, 61
list_account_settings, 40
list_addons, 43
list_aliases, 60
list_application_dependencies, 75
list_application_versions, 75
list_applications, 53, 75
list_attributes, 40
list_auto_scaling_configurations, 5
list_available_solution_stacks, 47
list_clusters, 40, 43
list_code_signing_configs, 60
list_component_build_versions, 56
list_component_outputs, 72
list_component_provisioned_resources, 72
list_components, 56, 72
list_connections, 5
list_container_instances, 40
list_container_recipes, 56
list_deployments, 72
list_distribution_configurations, 56
list_environment_account_connections, 72
list_environment_outputs, 72
list_environment_provisioned_resources, 72
list_environment_template_versions, 72
list_environment_templates, 72
list_environments, 72
list_event_source_mappings, 60
list_fargate_profiles, 43
list_function_event_invoke_configs, 60
list_function_url_configs, 60
list_functions, 60
list_functions_by_code_signing_config, 60
list_identity_provider_configs, 43
list_image_build_versions, 56
list_image_packages, 56
list_image_pipeline_images, 56
list_image_pipelines, 56
list_image_recipes, 56
list_image_scan_findings, 56
list_images, 34, 56
list_images_in_recycle_bin, 26
list_infrastructure_configurations, 56
list_job_runs, 50, 53
list_job_templates, 50
list_jobs, 8
list_layer_versions, 60
list_layers, 60
list_managed_endpoints, 50
list_nodegroups, 43
list_observability_configurations, 5
list_operations, 5
list_platform_branches, 47
list_platform_versions, 47
list_provisioned_concurrency_configs, 60
list_repositories, 72
list_repository_sync_definitions, 72
list_scheduling_policies, 8
list_service_instance_outputs, 72
list_service_instance_provisioned_resources, 72
list_service_instances, 72
list_service_pipeline_outputs, 72
list_service_pipeline_provisioned_resources, 72
list_service_templates, 72
list_service_template_versions, 72
list_service_templates, 72
list_services, 5, 40, 72
list_services_by_namespace, 40
list_snapshots_in_recycle_bin, 26
list_tags, 60
list_tags_for_resource, 5, 8, 11, 34, 37, 40, 43, 47, 50, 53, 56, 72
list_task_definition_families, 40
list_task_definitions, 40
list_tasks, 40
list_updates, 43
list_versions_by_function, 60
list_versions_by_service, 60
list_virtual_clusters, 50
list_vpc_connectors, 5
list_vpc_ingress_connections, 5
list_workflow_executions, 56
INDEX

list_workflow_step_executions, 56
modify_address_attribute, 26
modify_availability_zone_group, 26
modify_capacity_reservation, 26
modify_capacity_reservation_fleet, 26
modify_client_vpn_endpoint, 26
modify_default_credit_specification, 26
modify_ebs_default_kms_key_id, 26
modify_fleet, 26
modify_fpga_image_attribute, 26
modify_hosts, 26
modify_id_format, 26
modify_identity_id_format, 26
modify_image_attribute, 26
modify_instance_attribute, 26
modify_instance_capacity_reservation_attributes, 26
modify_instance_credit_specification, 26
modify_instance_event_start_time, 26
modify_instance_event_window, 26
modify_instance_maintenance_options, 26
modify_instance_metadata_options, 26
modify_instance_placement, 26
modify_ipam, 26
modify_ipam_pool, 26
modify_ipam_resource_cidr, 26
modify_ipam_resource_discovery, 26
modify_ipam_scope, 26
modify_launch_template, 26
modify_local_gateway_route, 26
modify_managed_prefix_list, 26
modify_network_interface_attribute, 26
modify_private_dns_name_options, 26
modify_reserved_instances, 27
modify_security_group_rules, 27
modify_snapshot_attribute, 27
modify_snapshot_tier, 27
modify_spot_fleet_request, 27
modify_subnet_attribute, 27
modify_traffic_mirror_filter_network_services, 27
modify_traffic_mirror_filter_rule, 27
modify_traffic_mirror_session, 27
modify_transit_gateway, 27
modify_transit_gateway_prefix_list_reference, 27
modify_transit_gateway_vpc_attachment, 27
modify_verified_access_endpoint, 27
modify_verified_access_endpoint_policy, 27
modify_verified_access_group, 27
modify_verified_access_group_policy, 27
modify_verified_access_instance, 27
modify_verified_access_instance_logging_configuration, 27
modify_verified_access_trust_provider, 27
modify_volume, 27
modify_volume_attribute, 27
modify_vpc_attribute, 27
modify_vpc_endpoint, 27
modify_vpc_endpoint_connection_notification, 27
modify_vpc_endpoint_service_configuration, 27
modify_vpc_endpoint_service_payer_responsibility, 27
modify_vpc_endpoint_service_permissions, 27
modify_vpc_peering_connection_options, 27
modify_vpc_tenancy, 27
modify_vpn_connection, 27
modify_vpn_connection_options, 27
modify_vpn_tunnel_certificate, 27
modify_vpn_tunnel_options, 27
monitor_instances, 27
move_address_to_vpc, 27
move_byoip_cidr_to_ipam, 27
notify_resource_deployment_status_change, 72
open_instance_public_ports, 66
pause_service, 5
proton, 67
provision_byoip_cidr, 27
provision_ipam_pool_cidr, 27
provision_public_ipv_4_pool_cidr, 27
publish_layer_version, 60
publish_version, 60
purchase_host_reservation, 27
purchase_reserved_instances_offering, 27
purchase_scheduled_instances, 27
put_account_setting, 40
put_account_setting_default, 40
put_alarm, 66
put_application_policy, 75
put_attributes, 40
put_container_capacity_providers, 40
put_component_policy, 56
put_container_recipe_policy, 56
put_function_code_signing_config, 60
put_function_concurrency, 60
put_function_event_invoke_config, 60
put_image, 34, 37
put_image_policy, 56
put_image_recipe_policy, 56
put_image_scanning_configuration, 34
put_image_tag_mutability, 34
put_instance_public_ports, 66
put_lifecycle_policy, 34
put_provisioned_concurrency_config, 60
put_registry_catalog_data, 37
put_registry_policy, 34
put_registry_scanning_configuration, 34
put_replication_configuration, 34
put_repository_catalog_data, 37
put_runtime_management_config, 60
reboot_instance, 66
reboot_instances, 27
rebuild_environment, 47
register_cluster, 43
register_container_image, 66
register_container_instance, 40
register_image, 27
register_instance_event_notification_attributes, 27
register_job_definition, 8
register_task_definition, 40
register_transit_gateway_multicast_group_members, 27
register_transit_gateway_multicast_group_sources, 27
reject_environment_account_connection, 72
reject_transit_gateway_multicast_domain_associations, 27
reject_transit_gateway_peering_attachment, 28
reject_transit_gateway_vpc_attachment, 28
reject_vpc_endpoint_connections, 28
reject_vpc_peering_connection, 28
release_address, 28
release_hosts, 28
release_ipam_pool_allocation, 28
release_static_ip, 66
remove_layer_version_permission, 60
remove_permission, 61
replace_iam_instance_profile_association, 28
replace_network_acl_association, 28
replace_network_acl_entry, 28
replace_route, 28
replace_route_table_association, 28
replace_transit_gateway_route, 28
replace_vpn_tunnel, 28
report_instance_status, 28
request_environment_info, 47
request_spot_fleet, 28
request_spot_instances, 28
reset_address_attribute, 28
reset_distribution_cache, 66
reset_ebs_default_kms_key_id, 28
reset_fpga_image_attribute, 28
reset_image_attribute, 28
reset_instance_attribute, 28
reset_network_interface_attribute, 28
reset_snapshot_attribute, 28
restart_app_server, 47
restore_address_to_classic, 28
restore_image_from_recycle_bin, 28
restore_managed_prefix_list_version, 28
restore_snapshot_from_recycle_bin, 28
restore_snapshot_tier, 28
resume_service, 5
retrieve_environment_info, 47
revoke_client_vpn_ingress, 28
revoke_security_group_egress, 28
revoke_security_group_ingress, 28
run_instances, 28
run_scheduled_instances, 28
run_task, 40
search_devices, 11
search_jobs, 11
search_local_gateway_routes, 28
search_quantum_tasks, 11
search_transit_gateway_multicast_groups, 28
search_transit_gateway_routes, 28
send_contact_method_verification, 66
send_diagnostic_interrupt, 28
send_serial_console_ssh_public_key, 31
send_ssh_public_key, 31
serverlessapplicationrepository, 73
set_ip_address_type, 66
set_repository_policy, 34, 37
set_resource_access_for_bucket, 66
start_application, 53
start_deployment, 5
start_gui_session, 66
start_image_pipeline_execution, 56
start_image_scan, 34
start_instance, 66
start_instances, 28
start_job_run, 50, 53
start_lifecycle_policy_preview, 34
start_network_insights_access_scope_analysis, 28
start_network_insights_analysis, 28
start_relational_database, 66
start_task, 40
start_vpc_endpoint_service_private_dns_verification, 28
stop_application, 53
stop_gui_session, 66
stop_instance, 66
stop_instances, 28
stop_relational_database, 66
stop_task, 40
submit_attachment_state_changes, 40
submit_container_state_change, 40
submit_job, 8
submit_task_state_change, 40
swap_environment_cnam_es, 47
tag_resource, 5, 8, 11, 34, 37, 40, 43, 50, 53, 56, 61, 66, 72
terminate_client_vpn_connections, 28
terminate_environment, 47
terminate_instances, 28
terminate_job, 8
test_alarm, 66
unassign_ipv6_addresses, 28
unassign_private_ip_addresses, 28
unassign_private_nat_gateway_address, 28
unmonitor_instances, 29
unshare_application, 75
untag_resource, 5, 8, 11, 34, 37, 40, 43, 50, 53, 56, 61, 66, 72
update_account_settings, 72
update_addon, 43
update_alias, 61
update_application, 47, 53, 75
update_application_resource_lifecycle, 47
update_application_version, 47
update_bucket, 66
update_bucket_bundle, 66
update_capacity_provider, 40
update_cluster, 40
update_cluster_config, 43
update_cluster_settings, 40
update_cluster_version, 43
update_code_signing_config, 61
update_component, 72
update_compute_environment, 8
update_configuration_template, 47
update_container_agent, 40
update_container_instances_state, 40
update_container_service, 66
update_distribution, 66
update_distribution_bundle, 66
update_distribution_configuration, 56
update_domain_entry, 66
update_enrollment_status, 14
update_environment, 47, 72
update_environment_account_connection, 72
update_environment_template, 72
update_environment_template_version, 72
update_event_source_mapping, 61
update_function_code, 61
update_function_configuration, 61
update_function_event_invoke_config, 61
update_function_url_config, 61
update_image_pipeline, 56
update_infrastructure_configuration, 56
update_instance_metadata_options, 66
update_job_queue, 8
update_load_balancer_attribute, 66
update_nodegroup_config, 43
update_nodegroup_version, 44
update_relational_database, 66
update_relational_database_parameters, 67
update_scheduling_policy, 8
update_security_group_rule_descriptions_egress, 29
update_security_group_rule_descriptions_ingress, 29
update_service, 6, 40, 72
update_service_instance, 72
update_service_pipeline, 72
update_service_primary_task_set, 40
update_service_sync_blocker, 72
update_service_sync_config, 72
update_service_template, 73
update_service_template_version, 73
update_tags_for_resource, 47
update_task_protection, 40
update_task_set, 40
update_template_sync_config, 73
update_vpc_ingress_connection, 6
upload_layer_part, 34, 37
validate_configuration_settings, 47
withdraw_byoip_cidr, 29