Package ‘paws.compute’

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Title Amazon Web Services Compute APIs
Version 0.1.8
Description Interface to Amazon Web Services compute APIs, including
'Elatic Compute Cloud' ('EC2'), 'Lambda' functions-as-a-service,
containers, batch processing, and more <https://aws.amazon.com/>.
License Apache License (>= 2.0)
Imports paws.common (>= 0.3.0)
Suggests testthat
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Collate 'batch_service.R' 'batch_interfaces.R' 'batch_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'
'ecs_service.R'
'ecs_interfaces.R' 'ecs_operations.R'
'eks_service.R'
'eks_interfaces.R'
'elasticbeanstalk_service.R'
'elasticbeanstalk_interfaces.R'
'elasticbeanstalk_operations.R'
'lambda_service.R'
'lambda_interfaces.R'
'lambda_operations.R'
'lightsail_service.R'
'lightsail_interfaces.R'
'lightsail_operations.R'
'serverlessapplicationrepository_service.R'
'serverlessapplicationrepository_interfaces.R'
'serverlessapplicationrepository_operations.R'
NeedsCompilation no
Author David Kretch [aut, cre],
Adam Banker [aut].
Amazon.com, Inc. [cph]
Maintainer David Kretch <david.kretch@gmail.com>
AWS Batch enables you to run batch computing workloads on the AWS Cloud. Batch computing is a common way for developers, scientists, and engineers to access large amounts of compute resources, and AWS Batch removes the undifferentiated heavy lifting of configuring and managing the required infrastructure. AWS Batch will be familiar to users of traditional batch computing software. This service can efficiently provision resources in response to jobs submitted in order to eliminate capacity constraints, reduce compute costs, and deliver results quickly.

As a fully managed service, AWS Batch enables developers, scientists, and engineers to run batch computing workloads of any scale. AWS Batch automatically provisions compute resources and optimizes the workload distribution based on the quantity and scale of the workloads. With AWS Batch, there is no need to install or manage batch computing software, which allows you to focus on analyzing results and solving problems. AWS Batch reduces operational complexities, saves time, and reduces costs, which makes it easy for developers, scientists, and engineers to run their batch jobs in the AWS Cloud.

**Usage**

```r
batch(config = list())
```

**Arguments**

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

```r
csvc <- batch(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string"
    ),
    endpoint = "string",
    region = "string"
  )
)
```

Operations

- `cancel_job` Cancels a job in an AWS Batch job queue
- `create_compute_environment` Creates an AWS Batch compute environment
- `create_job_queue` Creates an AWS Batch job queue
- `delete_compute_environment` Deletes an AWS Batch compute environment
- `delete_job_queue` Deletes the specified job queue
- `deregister_job_definition` Deregisters an AWS 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 AWS Batch jobs
- `list_jobs` Returns a list of AWS Batch jobs
- `register_job_definition` Registers an AWS Batch job definition
- `submit_job` Submits an AWS Batch job from a job definition
- `terminate_job` Terminates a job in a job queue
- `update_compute_environment` Updates an AWS Batch compute environment
- `update_job_queue` Updates a job queue

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

Amazon Elastic Compute Cloud (Amazon EC2) provides secure and resizable computing capacity in the AWS cloud. Using Amazon EC2 eliminates the need to invest in hardware up front, so you can develop and deploy applications faster.

To learn more, see the following resources:

- Amazon EC2: AmazonEC2 product page, Amazon EC2 documentation
- Amazon EBS: Amazon EBS product page, Amazon EBS documentation
- Amazon VPC: Amazon VPC product page, Amazon VPC documentation
- AWS VPN: AWS VPN product page, AWS VPN documentation

Usage

```r
ec2(config = list())
```

Arguments

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

Service syntax

```r
cvc <- ec2(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string"
    ),
    endpoint = "string",
    region = "string"
  )
)
```
Operations

- accept_reserved_instances_exchange_quote
- accept_transit_gateway_peering_attachment
- accept_transit_gateway_vpc_attachment
- accept_vpc_endpoint_connections
- accept_vpc_peering_connection
- advertise_byoip_cidr
- allocate_address
- allocate_hosts
- apply_security_groups_to_client_vpn_target_network
- assign_ipv_6_addresses
- assign_private_ip_addresses
- associate_address
- associate_client_vpn_target_network
- associate_dhcp_options
- associate_iam_instance_profile
- associate_route_table
- associate_subnet_cidr_block
- associate_transit_gateway_multicast_domain
- associate_transit_gateway_route_table
- associate_vpc_cidr_block
- attach_classic_link_vpc
- attach_internet_gateway
- attach_network_interface
- attach_volume
- attach_vpn_gateway
- authorize_client_vpn_ingress
- authorize_security_group_egress [VPC only]
- authorize_security_group_ingress
- bundle_instance
- cancel_bundle_task
- cancel_capacity_reservation
- cancel_conversion_task
- cancel_export_task
- 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_client_vpn_endpoint
- create_client_vpn_route
- create_customer_gateway
- create_default_subnet

Accepts the Convertible Reserved Instance exchange quote
Accepts a transit gateway peering attachment request
Accepts a request to attach a VPC to a transit gateway
Accepts one or more interface VPC endpoint connections
Accept a VPC peering connection request
Advertises an IPv4 address range that is provisioned for use with your AWS resources
Allocates an Elastic IP address to your AWS account
Allocates a Dedicated Host to your account
Applies a security group to the association between an EC2-Classic instance and a VPC
Assigns one or more IPv6 addresses to the specified VPC
Assigns one or more secondary private IP addresses to a VPC
Associates an Elastic IP address with an instance
Associates a target network with a Client VPN endpoint
Associates a set of DHCP options (that you've previously assigned) with a subnet
Associates an IAM instance profile with a running instance
Associates a subnet in your VPC or an internet gateway with a subnet
Associates a CIDR block with your VPC
Associates the specified subnets and transit gateways with a VPC
Associates the specified attachment with the specified subnet
Associates a CIDR block with your VPC
Links an EC2-Classic instance to a ClassicLink-enabled VPC
Attaches an internet gateway or a virtual private gateway to your VPC
Attaches a network interface to an instance
Attaches an EBS volume to a running or stopped EC2 instance
Attaches a virtual private gateway to a VPC
Adds an ingress authorization rule to a Client VPN endpoint
[VPC only] Adds the specified egress rules to a security group
Adds the specified ingress rules to a security group
Bundles an Amazon instance store-backed Windows instance
Cancels a bundling operation for an instance store-backed Windows instance
Cancels the specified Capacity Reservation, replaces it with a new operation, and returns a success status
Cancels an active conversion task
Cancels an active export task
Cancels an in-process import virtual machine or import snapshot
Cancels the specified Reserved Instance listing in the Reserved Instance Marketplace
Cancels the specified Spot Fleet request
Cancels one or more Spot Instance requests
Determines whether a product code is associated with the specified instance
Copies the specified Amazon FPGA Image (AFI) to the current Region
Initiates the copy of an AMI from the specified source Region
Copies a point-in-time snapshot of an EBS volume
Creates a new Capacity Reservation with the specified attributes
Creates a Customer Gateway
Adds a route to a network to a Client VPN endpoint
Provides information to AWS about your VPN endpoint
Creates a default subnet with a size /20 IPv4 CIDR block
create_default_vpc
create_dhcp_options
create_egress_only_internet_gateway
create_fleet
create_flow_logs
create_fpga_image
create_image
create_instance_export_task
create_internet_gateway
create_key_pair
create_launch_template
create_launch_template_version
create_local_gateway_route
create_local_gateway_route_table_vpc_association
create_nat_gateway
create_network_acl
create_network_acl_entry
create_network_interface
create_network_interface_permission
create_placement_group
create_reserved_instances_listing
create_route
create_route_table
create_security_group
create_snapshot
create_snapshots
create_spot_datafeed_subscription
create_subnet
create_tags
create_traffic_mirror_filter
create_traffic_mirror_filter_rule
create_traffic_mirror_session
create_traffic_mirror_target
create_transit_gateway
create_transit_gateway_multicast_domain
create_transit_gateway_peering_attachment
create_transit_gateway_route
create_transit_gateway_route_table
create_transit_gateway_vpc_attachment
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

ec2

Creates a default VPC with a size /16 IPv4 CIDR block
Creates a set of DHCP options for your VPC
[IPv6 only] Creates an egress-only internet gateway
Launches an EC2 Fleet
Creates one or more flow logs to capture information
Creates an Amazon FPGA Image (AFI) from the specified design checkpoint (DCP)
Exports a running or stopped instance to an S3 bucket
Creates an internet gateway for use with a VPC
Creates a 2048-bit RSA key pair with the specified key pair name
Creates a launch template
Creates a new version for a launch template
Creates a static route for the specified local gateway route table
Associates the specified VPC with the specified local gateway route table
Creates a NAT gateway in the specified public subnet
Creates a network ACL in a VPC
Creates an entry (a rule) in a network ACL with the specified parameters
Creates a network interface in the specified subnet
Grants an AWS-authorized account permission to access the specified resource
Creates a placement group in which to launch instances
Creates a listing for Amazon EC2 Standard Reserved Instance
Creates a route in a route table within a VPC
Creates a route table for the specified VPC
Creates a security group
Creates a snapshot of an EBS volume and stores it in Amazon S3
Creates crash-consistent snapshots of multiple EBS volumes
Creates a data feed for Spot Instances, enabling you to view Spot Instance usage logs
Creates a subnet in an existing VPC
Adds or overwrites the specified tags for the specified Amazon EC2 resources
Creates a Traffic Mirror filter
Creates a Traffic Mirror filter rule
Creates a Traffic Mirror session
Creates a target for your Traffic Mirror session
Creates a transit gateway
Creates a multicast domain using the specified traffic mirror filter
Requests a transit gateway peering attachment between two transit gateways
Creates a static route for the specified transit gateway
Creates a route table for the specified transit gateway
Attaches the specified VPC to the specified transit gateway
Creates an EBS volume that can be attached to an instance
Creates a VPC with the specified IPv4 CIDR block
Creates a VPC endpoint for a specified service
Creates a connection notification for a specified VPC endpoint
Requests a VPC peering connection between two VPCs
Creates a VPN connection between two AWS accounts
Creates a static route associated with a VPN connection
Creates a virtual private gateway
Delete **delete_client_vpn_endpoint**
Delete **delete_client_vpn_route**
Delete **delete_customer_gateway**
Delete **delete_dhcp_options**
Delete **delete_egress_only_internet_gateway**
Delete **delete_fleets**
Delete **delete_flow_logs**
Delete **delete_fpga_image**
Delete **delete_internet_gateway**
Delete **delete_key_pair**
Delete **delete_launch_template**
Delete **delete_launch_template_versions**
Delete **delete_local_gateway_route**
Delete **delete_local_gateway_route_table_vpc_association**
Delete **delete_nat_gateway**
Delete **delete_network_acl**
Delete **delete_network_acl_entry**
Delete **delete_network_interface**
Delete **delete_network_interface_permission**
Delete **delete_placement_group**
Delete **deletequeued_reserved_instances**
Delete **delete_route**
Delete **delete_route_table**
Delete **delete_security_group**
Delete **delete_snapshot**
Delete **delete_spot_datafeed_subscription**
Delete **delete_subnet**
Delete **delete_tags**
Delete **delete_traffic_mirror_filter**
Delete **delete_traffic_mirror_filter_rule**
Delete **delete_traffic_mirror_session**
Delete **delete_traffic_mirror_target**
Delete **delete_transit_gateway**
Delete **delete_transit_gateway_multicast_domain**
Delete **delete_transit_gateway_peering_attachment**
Delete **delete_transit_gateway_route**
Delete **delete_transit_gateway_route_table**
Delete **delete_transit_gateway_vpc_attachment**
Delete **delete_volume**
Delete **delete_vpc**
Delete **delete_vpc_endpoint_connection_notifications**
Delete **delete_vpc_endpoints**
Delete **delete_vpc_endpoint_service_configurations**
Delete **delete_vpc_peering_connection**
Delete **delete_vpn_connection**
Delete **delete_vpn_connection_route**
Delete **delete_vpn_gateway**
Deprovision **deprovision_byoip_cidr**

Deletes the specified Client VPN endpoint
Deletes a route from a Client VPN endpoint
Deletes the specified customer gateway
Deletes the specified set of DHCP options
Deletes an egress-only internet gateway
Deletes the specified EC2 Fleet
Deletes one or more flow logs
Deletes the specified Amazon FPGA Image (AFI)
Deletes the specified internet gateway
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 route table
Deletes the specified association between a VPC and local gateway route table
Deletes the specified NAT gateway
Deletes the specified network ACL
Deletes the specified ingress or egress entry (rule)
Deletes the specified network interface
Deletes a permission for a network interface
Deletes the specified placement group
Deletes the queued purchases for the specified Reserved Instance
Deletes the specified route from the specified route table
Deletes a security group
Deletes the specified snapshot
Deletes the data feed for Spot Instances
Deletes the specified subnet
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 transit gateway multicast domain
Deletes a transit gateway peering attachment
Deletes the specified route from the specified transit gateway route table
Deletes the specified VPC attachment
Deletes the specified EBS volume
Deletes the specified VPC
Deletes one or more VPC endpoint connection notifications
Deletes one or more specified VPC endpoints
Deletes one or more VPC endpoint service configurations
Deletes a VPC peering connection
Deletes the specified VPN connection
Deletes the specified static route associated with the specified VPC
Deletes the specified virtual private gateway
Releases the specified address range that you provided.
ec2
Deregisters the specified AMI
Deregisters the specified members (network interfaces) from the transit gateway multicast group
Deregisters the specified sources (network interfaces) from the transit gateway multicast group
Describes attributes of your AWS account
Describes the specified Elastic IP addresses or all of your Elastic IP addresses
Describes the longer ID format settings for all resources in your account
Describes the specified bundle tasks or all of your bundle tasks
Describes the IP address ranges that were specified for your VPC
Describes one or more of your Capacity Reservations
Describes one or more of your linked EC2-Classic instances
Describes the authorization rules for a specified Client VPN endpoint
Describes active client connections and connection requests for the specified Client VPN endpoint
Describes one or more Client VPN endpoints in the account
Describes the target networks associated with the specified Client VPN endpoint
Describes the specified customer-owned address pools or all of your customer-owned address pools
Describes the specified conversion tasks or all your conversion tasks
Describes one or more of your VPN customer gateways
Describes one or more of your DHCP options sets
Describes the Elastic Graphics accelerator association for the specified EC2 instance
Describes the specified export image tasks or all of your export image tasks
Describes the state of fast snapshot restores for your snapshots
Describes the events for the specified EC2 Fleet during the specified time
Describes the running instances for the specified EC2 Fleet
Describes the specified EC2 Fleets or all of your EC2 Fleets
Describes the specified EC2 instance type for the specified EC2 Fleet
Describes the EC2 Fleet instances associated with the specified EC2 Fleet
Describes the ID format settings for resources for the specified IAM user, IAM role, or root user
Describes your IAM instance profile associations
Describes the ID format settings for resources for your resources
Describes the specified attribute of the specified resource
Describes the specified images (AMIs, AKIs, and ARIs) available to you
Displays details about an import virtual machine or import snapshot tasks that are already created
Describes your import snapshot tasks
Describes the specified attribute of the specified resource
Describes the credit option for CPU usage of the specified instances
Describes the specified instances or all of AWS account's instances
Describes the status of the specified instances or all of your instances
Returns a list of all instance types offered
Returns a list of all instance types offered in your account
Describes one or more of your internet gateways
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_moving_addresses
describe_nat_gateways
describe_network_acls
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_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_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_stale_security_groups
describe_subnets
describe_tags
describe_traffic_mirror_filters
describe_traffic_mirror_sessions
describe_traffic_mirror_targets
describe_transit_gateway_attachments
describe_transit_gateway_multicast_domains
describe_transit_gateway_peering_attachments
describe_transit_gateway_route_tables
describe_transit_gateways

Describes the specified key pairs or all of your key pairs
Describes one or more launch templates
Describes one or more versions of a specified launch template
Describes one or more local gateway route tables
Describes the associations between virtual interface groups and local gateway route tables
Describes the specified associations between VPCs
Describes one or more local gateways
Describes the specified local gateway virtual interface groups
Describes the specified local gateway virtual interfaces
Describes your Elastic IP addresses that are being moved to the EC2-VPC platform, or that are being restored to the EC2-Classic platform
Describes one or more of your NAT gateways
Describes one or more of your network ACLs
Describes a network interface attribute
Describes the permissions for your network interfaces
Describes one or more of your network interfaces
Describes the specified placement groups or all of your placement groups
Describes available AWS services in a prefix list
Describes the ID format settings for the root user
Describes the specified IPv4 address pools
Describes the Regions that are enabled for your account
Describes 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
[VPC only] Describes the VPCs on the other side of the VPC peering connection for the specified security group rules
Describes the specified security groups or all of your security groups
Describes the specified attribute of the specified EBS snapshots
Describes the specified EBS snapshots available
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
[VPC only] Describes the stale security group rules for the specified VPC
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 targets
Describes one or more attachments between resources
Describes one or more transit gateway multicast groups
Describes your transit gateway peering attachments
Describes one or more transit gateway route tables
Describes one or more transit gateways
describe_transit_gateway_vpc_attachments
describe_volume_attribute
describe_volumes
describe_volumes_modifications
describe_volumes_status
describe_vpc_attribute
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_volume
detach_vpn_gateway
disable_ebs_encryption_by_default
disable_fast_snapshot_restores
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_iam_instance_profile
disassociate_route_table
disassociate_subnet_cidr_block
disassociate_transit_gateway_multicast_domain
disassociate_transit_gateway_route_table
disassociate_vpc_cidr_block
enable_ebs_encryption_by_default
enable_fast_snapshot_restores
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

describe_transit_gateway_vpc_attachments
Describes one or more VPC attachments

describe_volume_attribute
Describes the specific attribute of the specified volume

describe_volumes
Describes the specified EBS volumes or all of your EBS volumes

describe_volumes_modifications
Reports the current modification status of EBS volumes

describe_volumes_status
Describes the status of the specified volumes

describe_vpc_attribute
Describes the specific attribute of the specified VPC

describe_vpc_classic_link
Describes the ClassicLink status of one or more VPCs

describe_vpc_classic_link_dns_support
Describes the ClassicLink DNS support status of one or more VPCs

describe_vpc_endpoint_connection_notifications
Describes the connection notifications for VPC endpoints

describe_vpc_endpoint_connections
Describes one or more of your VPC endpoints

describe_vpc_endpoints
Describes the VPC endpoint service configurations

describe_vpc_endpoint_service_configurations
Describes the principals (service consumers) that can access your services

describe_vpc_endpoint_service_permissions
Describes available services to which you can connect

describe_vpc_endpoint_services
Describes one or more of your VPC peering connections

describe_vpc_peering_connections
Describes one or more of your VPCs

describe_vpcs
Describes one or more of your virtual private gateways

Unlinks (detaches) a linked EC2-Classic instance
Detaches an internet gateway from a VPC, disabling connectivity
Detaches a network interface from an instance
Detaches an EBS volume from an instance
Detaches a virtual private gateway from a VPC
Disables EBS encryption by default for your account
Disables fast snapshot restores for the specified snapshot
Disables the specified resource attachment from a VPC
Disables a virtual private gateway (VGW) from a VPC
Disables ClassicLink for a VPC
Disables ClassicLink DNS support for a VPC
Disassociates an Elastic IP address from the instance
Disassociates a target network from the specified VPC
Disassociates an IAM instance profile from a running instance
Disassociates a subnet from a route table
Disassociates a CIDR block from a subnet
Disassociates the specified subnets from the transit gateway
Disassociates a resource attachment from a transit gateway
Disassociates a VPC from a ClassicLink
Enables EBS encryption by default for your account
Enables fast snapshot restores for the specified snapshot
Enables the specified attachment to propagate route table
Enables a virtual private gateway (VGW) to propagate
Enables I/O operations for a volume that had I/O operations
Enables a VPC for ClassicLink
Enables a VPC to support DNS hostname resolution
Downloads the client certificate revocation list for a Client VPN endpoint
Downloads the contents of the Client VPN endpoint configuration
Exports an Amazon Machine Image (AMI) to a VM file
Exports routes from the specified transit gateway...
get_capacity_reservation_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_host_reservation_purchase_preview
get_launch_template_data
get_password_data
get_reserved_instances_exchange_quote
get_transit_gateway_attachment_propagations
get_transit_gateway_multicast_domain_associations
get_transit_gateway_route_table_associations
get_transit_gateway_route_table_propagations
import_client_vpn_client_certificate_revocation_list
import_image
import_instance
import_key_pair
import_snapshot
import_volume
modify_capacity_reservation
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_metadata_options
modify_instance_placement
modify_launch_template
modify_network_interface_attribute
modify_reserved_instances
modify_snapshot_attribute
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_vpc_attachment
modify_volume

Gets usage information about a Capacity Reservation.
Describes the allocations from the specified customer-owned address pool.
Gets the console output for the specified instance.
Retrieve a JPG-format screenshot of a running instance.
Describes the default customer master key (CMK) for EBS encryption by default for your account in this Region.
Describes whether EBS encryption by default is enabled for your account in the current Region.
Preview a reservation purchase with configurations that match those of your Dedicated Host.
Retrieves the configuration data of the specified instance.
Retrieves the encrypted administrator password for a running Windows instance.
Returns a quote and exchange information for exchanging one or more specified Convertible Reserved Instances for a new Convertible Reserved Instance.
Lists the route tables to which the specified resource attachment propagates routes.
Gets information about the associations for the specified transit gateway.
Gets information about the associations for the specified transit gateway route table.
Uploads a client certificate revocation list to the specified Client VPN endpoint.
Creates an import instance task using metadata from the specified disk image.
Imports the public key from an RSA key pair that you created with a third-party tool.
Imports a disk into an EBS snapshot.
Creates an import volume task using metadata from the specified disk image.
Modifies a Capacity Reservation’s capacity and the conditions under which it is to be released.
Modifies the specified Client VPN endpoint.
Modifies the default credit option for CPU usage of burstable performance instances.
Changes the default customer master key (CMK) for EBS encryption by default for your account in this Region.
Modifies the specified EC2 Fleet.
Modifies the specified attribute of the specified AMI.
Modifies the auto-placement setting of a Dedicated Host.
Modifies 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 Capacity Reservation settings for a specified instance.
Modifies the credit option for CPU usage on a running instance.
Modifies the start time for a scheduled Amazon EC2 instance event.
Modifies the instance metadata parameters on a running Amazon EC2 instance.
Modifies the placement attributes for a specified instance.
Modifies a launch template.
Modifies the specified network interface attribute.
Modifies the Availability Zone, instance count, or network platform.
Adds or removes permission settings for the specified Spot Fleet request.
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 VPC attachment.
You can modify several parameters of an existing...
modify_volume_attribute
modify_vpc_attribute
modify_vpc_endpoint
modify_vpc_endpoint_connection_notification
modify_vpc_endpoint_service_configuration
modify_vpc_peering_connection_options
modify_vpc_tenancy
modify_vpn_connection
modify_vpn_tunnel_certificate
modify_vpn_tunnel_options
monitor_instances
move_address_to_vpc
provision_byoip_cidr
purchase_host_reservation
purchase_reserved_instances_offering
purchase_scheduled_instances
reboot_instances
register_image
register_transit_gateway_multicast_group_members
register_transit_gateway_multicast_group_sources
reject_transit_gateway_peering_attachment
reject_vpc_endpoint_connection
release_address
release_hosts
replace_iam_instance_profile_association
replace_network_acl_association
replace_network_acl_entry
replace_route
replace_route_table_association
replace_transit_gateway_route
report_instance_status
request_spot_fleet
request_spot_instances
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
revoke_client_vpn_ingress
revoke_security_group_egress
revoke_security_group_ingress
run_instances
run_scheduled_instances

Modifies a volume attribute
Modifies the specified attribute of the specified VPC
Modifies attributes of a specified VPC endpoint
Modifies a connection notification for VPC endpoint
Modifies the attributes of your VPC endpoint service
Modifies the permissions for your VPC endpoint service
Modifies the VPC peering connection options on one side
Modifies the instance tenancy attribute of the specified instance
Modifies the target gateway of an AWS Site-to-Site VPN connection
Modifies the VPN tunnel endpoint certificate
Modifies the options for a VPN tunnel in an AWS Site-to-Site VPN connection
Moves an Elastic IP address from the EC2-Classic platform to the EC2-VPC platform
Provisions an address range for use with your AWS VPC
Purchases a reservation with configurations that match those of your Dedicated Host
Purchases a Reserved Instance for use with your VPC or data center
Requests a reboot of the specified instances
Registers an AMI
Registers members (network interfaces) with the specified VPC
Registers sources (network interfaces) with the specified VPC
Rejects a transit gateway peering attachment request
Rejects a request to attach a VPC to a transit gateway
Rejects one or more VPC endpoint connection requests
Rejects a VPC peering connection request
Releases the specified Elastic IP address
When you no longer want to use an On-Demand Dedicated Host
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
Submits feedback about the status of an instance
Creates a Spot Fleet request
Creates a Spot Instance request
Resets the default customer master key (CMK) for EBS
Resets the specified attribute of the specified AMI
Resets an attribute of an AMI to its default value
Resets an attribute of an instance to its default value
Resets a network interface attribute
Resets permission settings for the specified snapshot
Restores an Elastic IP address that was previously released
Removes an ingress authorization rule from a Client Gateway
[VPC only] Removes the specified egress rules from a security group
Removes the specified ingress rules from a security group
Launches the specified number of instances using a launch template
Launches the specified Scheduled Instances
search_local_gateway_routes
search_transit_gateway_multicast_groups
search_transit_gateway_routes
send_diagnostic_interrupt
start_instances
start_vpc_endpoint_service_private_dns_verification
stop_instances
terminate_client_vpn_connections
terminate_instances
unassign_ipv_6_addresses
unassign_private_ip_addresses
unmonitor_instances
update_security_group_rule_descriptions_egress
update_security_group_rule_descriptions_ingress
withdraw_byoip_cidr

Examples

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

ec2instanceconnect  
 AWS EC2 Instance Connect

Description

AWS EC2 Connect Service is a service that enables system administrators to publish temporary SSH keys to their EC2 instances in order to establish connections to their instances without leaving a permanent authentication option.

Usage

```r
c2instanceconnect(config = list())
```

Arguments

- `config`: Optional configuration of credentials, endpoint, and/or region.
Service syntax

```r
svc <- ec2instanceconnect(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string"
    ),
    endpoint = "string",
    region = "string"
  )
)
```

Operations

`send_ssh_public_key` Pushes an SSH public key to a particular OS user on a given EC2 instance for 60 seconds

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 AAAAB3NzaC1yc2EAAAADAQABAAABAQC3FlHqj2eqCdrGhuA6drjfZXQ4HX51XEIRHa..."
)
## End(Not run)
```

---

**ecr**  

Amazon EC2 Container Registry

Description

Amazon Elastic Container Registry

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

Usage

```r
ecr(config = list())
```

Arguments

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

Service syntax

```r
csv <- ecr(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string"
    ),
    endpoint = "string",
    region = "string"
  )
)
```

Operations

- `batch_check_layer_availability` Check the availability of multiple image layers in a specified registry and repository
- `batch_delete_image` Deletes a list of specified images within a specified repository
- `batch_get_image` Gets detailed information for specified images within a specified repository
- `complete_layer_upload` Informs Amazon ECR that the image layer upload has completed for a specified registry, repository name, and upload ID
- `create_repository` Creates an Amazon Elastic Container Registry (Amazon ECR) repository, where users can push and pull Docker images
- `delete_lifecycle_policy` Deletes the specified lifecycle policy
- `delete_repository` Deletes an existing image repository
- `delete_repository_policy` Deletes the repository policy from a specified repository
- `describe_images` Returns metadata about the images in a repository, including image size, image tags, and creation date
- `describe_image_scan_findings` Describes the image scan findings for the specified image
- `describe_repositories` Describes image repositories in a registry
- `get_authorization_token` Retrieves a token that is valid for a specified registry for 12 hours
- `get_download_url_for_layer` Retrieves the pre-signed Amazon S3 download URL corresponding to an image layer
- `get_lifecycle_policy` Retrieves the specified lifecycle policy
- `get_lifecycle_policy_preview` Retrieves the results of the specified lifecycle policy preview request
- `get_repository_policy` Retrieves the repository policy for a specified repository
- `initiate_layer_upload` Notify Amazon ECR that you intend to upload an image layer
- `list_images` Lists all the image IDs for a given repository
Amazon EC2 Container Service

Amazon Elastic Container Service

Amazon Elastic Container Service (Amazon ECS) is a highly scalable, fast, container management service that makes it easy to run, stop, and manage Docker containers on a cluster. You can host your cluster on a serverless infrastructure that is managed by Amazon ECS by launching your services or tasks using the Fargate launch type. For more control, you can host your tasks on a cluster of Amazon Elastic Compute Cloud (Amazon EC2) instances that you manage by using the EC2 launch type. For more information about launch types, see Amazon ECS Launch Types.

Amazon ECS lets you launch and stop container-based applications with simple API calls, allows you 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. Amazon ECS eliminates the need for you to operate your own cluster management and configuration management systems or worry about scaling your management infrastructure.

**Usage**

```python
escs(config = list())
```

**Arguments**

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

**Service syntax**

```python
svc <- ecs(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string"
    ),
    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 a 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 IAM user, IAM role, or the root user for an account
- `delete_attributes` Deletes one or more custom attributes from an Amazon ECS resource
- `delete_cluster` Deletes the specified cluster
- `delete_service` Deletes a specified service within a cluster
- `delete_task_set` Deletes a specified task set within a service
- `deregister_container_instance` Deregisters an Amazon ECS container instance from the specified cluster
- `deregister_task_definition` Deregisters the specified task definition by family and revision
- `describe_capacity_providers` Describes one or more of your capacity providers
- `describe_clusters` Describes one or more of your clusters
- `describe_container_instances` Describes Amazon Elastic Container Service container instances
- `describe_services` Describes the specified services running in your cluster
- `describe_task_definition` Describes a task definition
- `describe_tasks` Describes a specified task or tasks
describe_task_sets

descrives the task sets in the specified cluster and service

discover_poll_endpoint

This action is only used by the Amazon ECS agent, and it is not intended for use outside of it.

list_account_settings

Lists the account settings for a specified principal.

list_attributes

Lists the attributes for Amazon ECS resources within a specified target type and cluster.

list_clusters

Returns a list of existing clusters.

list_container_instances

Returns a list of container instances in a specified cluster.

list_services

Lists the services that are running in a specified cluster.

list_tags_for_resource

List the tags for an Amazon ECS resource.

list_task_definition_families

Returns a list of task definition families that are registered to your account (which may include task definition families that no longer have any ACTIVE task definition revisions).

list_task_definitions

Returns a list of tasks for a specified cluster.

list_tasks

Modifies an account setting.

put_account_setting

Modifies an account setting for all IAM users on an account for whom no individual account setting has been specified.

put_account_setting_default

Create or update an attribute on an Amazon ECS resource.

put_attributes

Modifies the available capacity providers and the default capacity provider strategy for a cluster.

put_cluster_capacity_providers

This action is only used by the Amazon ECS agent, and it is not intended for use outside of it.

register_container_instance

Registers a new task definition from the supplied family and containerDefinitions.

register_container_instance

Starts a new task using the specified task definition.

run_task

Starts a new task from the specified task definition on the specified container instance or instances.

stop_task

Stops a running task.

submit_attachment_state_changes

This action is only used by the Amazon ECS agent, and it is not intended for use outside of it.

submit_container_state_change

This action is only used by the Amazon ECS agent, and it is not intended for use outside of it.

submit_task_state_change

This action is only used by the Amazon ECS agent, and it is not intended for use outside of it.

tag_resource

Associates the specified tags to a resource with the specified resourceArn.

untag_resource

Deletes specified tags from a resource.

update_cluster_settings

Modifies the settings to use for a cluster.

update_container_agent

Updates the Amazon ECS container agent on a specified container instance.

update_container_instances_state

Modifies the status of an Amazon ECS container instance.

update_service

Modifies the parameters of a service.

update_service_primary_task_set

Modifies which task set in a service is the primary task set.

update_task_set

Modifies a task set.

Examples

## Not run:
svc <- ecs()

# This example creates a cluster in your default region.
svc$create_cluster(
    clusterName = "my_cluster"
)

## End(Not run)
Amazon Elastic Kubernetes Service

Description

Amazon Elastic Kubernetes Service (Amazon EKS) is a managed service that makes it easy for you to run Kubernetes on AWS 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())
```

Arguments

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

Service syntax

```r
csvc <- eks(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string"
    ),
    endpoint = "string",
    region = "string"
  )
)
```

Operations

- `create_cluster` Creates an Amazon EKS control plane
- `create_fargate_profile` Creates an AWS Fargate profile for your Amazon EKS cluster
- `create_nodegroup` Creates a managed worker node group for an Amazon EKS cluster
- `delete_cluster` Deletes the Amazon EKS cluster control plane
- `delete_fargate_profile` Deletes an AWS Fargate profile
delete_nodegroup
---
Deletes an Amazon EKS node group for a cluster

describe_cluster
---
Returns descriptive information about an Amazon EKS cluster

describe_fargate_profile
---
Returns descriptive information about an AWS Fargate profile

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

describe_clusters
---
Lists the Amazon EKS clusters in your AWS account in the specified Region

describe_fargate_profiles
---
Lists the AWS Fargate profiles associated with the specified cluster in your AWS account in the specified Region

describe_nodegroups
---
Lists the Amazon EKS node groups associated with the specified cluster in your AWS account in the specified Region

list_clusters
---
Lists the Amazon EKS clusters in your AWS account in the specified Region

list_fargate_profiles
---
Lists the AWS Fargate profiles associated with the specified cluster in your AWS account in the specified Region

list_nodegroups
---
Lists the Amazon EKS node groups associated with the specified cluster in your AWS 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 AWS account in the specified Region

tag_resource
---
Associates the specified tags to a resource with the specified resourceArn

untag_resource
---
Deletes specified tags from a resource

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-e5b91fddb951",
  resourcesVpcConfig = list(
    securityGroupIds = list("sg-6979fe18"),
    subnetIds = list("subnet-6782e71e", "subnet-e7e761ac")),
  roleArn = "arn:aws:iam::012345678910:role/eks-service-role-AWSServiceRoleForAmazonEKS-J7ON..."
)
## 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 http://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())

Arguments

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

Service syntax

svc <- elasticbeanstalk(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string"
    ),
    endpoint = "string",
    region = "string"
  )
)

Operations

abort_environment_update Cancels in-progress environment configuration update or application version deployment
apply_environment_managed_action Applies a scheduled managed action immediately
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 a configuration template
create_environment Launches an environment for the specified application using the specified configuration template
create_platform_version
create_storage_location
delete_application
delete_application_version
delete_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
list_available_solution_stacks
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

Create a new version of your custom platform
Create a bucket in Amazon S3 to store application versions, logs, and other files
Deletes the specified application along with all associated versions and configurations
Deletes the specified version from the specified application
Deletes the specified configuration template
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 your AWS account
Returns 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, a configuration template or a running environment configuration
Returns information about the overall health of the specified 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
Describes the version of the platform
Returns a list of the available solution stack names, with the public version first and then in reverse chronological order
Returns 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
Update the list of tags applied to an AWS Elastic Beanstalk resource
Takes a set of configuration settings and either a configuration template or environment as input

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"
)
```
## Description

**Overview**

This is the *AWS Lambda API Reference*. The AWS Lambda Developer Guide provides additional information. For the service overview, see *What is AWS Lambda*, and for information about how the service works, see *AWS Lambda: How it Works* in the *AWS Lambda Developer Guide*.

**Usage**

```r
lambda(config = list())
```

**Arguments**

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

**Service syntax**

```r
csvc <- lambda(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string"
    ),
    endpoint = "string",
    region = "string"
  )
)
```

**Operations**

- `add_layer_version_permission` Adds permissions to the resource-based policy of a version of an AWS Lambda layer
- `add_permission` Grants an AWS service or another account permission to use a function
- `create_alias` Creates an alias for a Lambda function version
- `create_event_source_mapping` Creates a mapping between an event source and an AWS Lambda function
- `create_function` Creates a Lambda function
- `delete_alias` Deletes a Lambda function alias
- `delete_event_source_mapping` Deletes an event source mapping
delete_function
delete_function_concurrency
delete_function_event_invoke_config
delete_layer_version
delete_provisioned_concurrency_config
get_account_settings
get_alias
get_event_source_mapping
get_function
get_function_concurrency
get_function_configuration
get_function_event_invoke_config
get_layer_version
get_layer_version_by_arn
get_layer_version_policy
get_policy
get_provisioned_concurrency_config
invoke
invoke_async
list_aliases
list_event_source_mappings
list_function_event_invoke_configs
list_functions
list_layers
list_layer_versions
list_provisioned_concurrency_configs
list_tags
list_versions_by_function
publish_layer_version
publish_version
put_function_concurrency
put_function_event_invoke_config
put_provisioned_concurrency_config
remove_layer_version_permission
remove_permission
tag_resource
untag_resource
update_alias
update_event_source_mapping
update_function_code
update_function_configuration
update_function_event_invoke_config

Deletes a Lambda function
Removes a concurrent execution limit from a function
Deletes the configuration for asynchronous invocation for a function, version, or alias
Deletes a version of an AWS Lambda layer
Deletes the provisioned concurrency configuration for a function
Retrieves details about your account’s limits and usage in an AWS Region
Returns details about a Lambda function alias
Returns details about an event source mapping
Returns information about the function or function version, with a link to download the deployment package
Retrieves details about the concurrency configuration for a function
Returns the version-specific settings of a Lambda function or version
Retrieves the configuration for asynchronous invocation for a function, version, or alias
Returns information about a version of an AWS Lambda layer, with a link to download the layer archive
Returns information about a version of an AWS Lambda layer, with a link to download the layer archive
Returns the permission policy for a version of an AWS Lambda layer
Returns the resource-based IAM policy for a function, version, or alias
Retrieves the provisioned concurrency configuration for a function’s alias or version
Invokes a Lambda function
For asynchronous function invocation, use Invoke
Returns a list of aliases for a Lambda function
Lists event source mappings
Retrieves a list of configurations for asynchronous invocation for a function
Returns a list of Lambda functions, with the version-specific configuration of each
Lists AWS Lambda layers and shows information about the latest version of each
Lists the versions of an AWS Lambda layer
Retrieves a list of provisioned concurrency configurations for a function
Returns a function’s tags
Returns a list of versions, with the version-specific configuration of each
Creates an AWS Lambda layer from a ZIP archive
Creates a version from the current code and configuration of a function
Sets the maximum number of simultaneous executions for a function, and reserves capacity
Configures options for asynchronous invocation on a function, version, or alias
Adds a provisioned concurrency configuration to a function’s alias or version
Removes a statement from the permissions policy for a version of an AWS Lambda layer
Revokes function-use permission from an AWS service or another account
Adds tags to a function
Removes tags from a function
Updates the configuration of a Lambda function alias
Updates an event source mapping
Updates a Lambda function’s code
Modify the version-specific settings of a Lambda function
Updates the configuration for asynchronous invocation for a function, version, or alias

Examples

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

lambda
# This example adds a permission for an S3 bucket to invoke a Lambda function.

svc$add_permission(
    Action = "lambda:InvokeFunction",
    FunctionName = "MyFunction",
    Principal = "s3.amazonaws.com",
    SourceAccount = "123456789012",
    SourceArn = "arn:aws:s3:::examplebucket/*",
    StatementId = "ID-1"
)

## End(Not run)

---

**Description**

Amazon Lightsail is the easiest way to get started with AWS for developers who just need virtual private servers. Lightsail includes everything you need to launch your project quickly - a virtual machine, a managed database, SSD-based storage, data transfer, DNS management, and a static IP - for a low, predictable price. You manage those Lightsail servers through the Lightsail console or by using the API or command-line interface (CLI).

For more information about Lightsail concepts and tasks, see the [Lightsail Dev Guide](#). To use the Lightsail API or the CLI, you will need to use AWS Identity and Access Management (IAM) to generate access keys. For details about how to set this up, see the [Lightsail Dev Guide](#).

**Usage**

```r
lightsail(config = list())
```

**Arguments**

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

**Service syntax**

```r
svc <- lightsail(
    config = list(
        credentials = list(
            creds = list(
                access_key_id = "string",
                secret_access_key = "string",
                session_token = "string"
            ),
            profile = "string"
        )
    ),
    # other arguments...
)
```
endpoint = "string",
region = "string"
)
)

Operations

allocate_static_ip
attach_disk
attach_instances_to_load_balancer
attach_load_balancer_tls_certificate
attach_static_ip
close_instance_public_ports
copy_snapshot
create_cloud_formation_stack
create_disk
create_disk_from_snapshot
create_disk_snapshot
create_domain
create_domain_entry
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_auto_snapshot
delete_disk
delete_disk_snapshot
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_disk
detach_instances_from_load_balancer
detach_static_ip
disable_add_on
download_default_key_pair
enable_add_on

Allocates a static IP address
Attaches a block storage disk to a running or stopped Lightsail instance and exposes it to the instance with the specified disk name
Attaches one or more Lightsail instances to a load balancer
Attaches a Transport Layer Security (TLS) certificate to your load balancer
Attaches a static IP address to a specific Amazon Lightsail instance
Closes the public ports on a specific Amazon Lightsail instance
Copies a manual snapshot of an instance or disk as another manual snapshot
Creates an AWS CloudFormation stack, which creates a new Amazon EC2 instance
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 a domain resource for the specified domain (e.g., a DNS record)
Creates one of the following entry records associated with the domain: Address (A), canonical name (CNAME), mail exchanger (MX), name server (NS), start of authority (SOA), service locator (SRV), or text (TXT)
Creates a snapshot of a specific virtual private server, or instance
Creates an SSH key pair
Creates a Lightsail load balancer
Creates a Lightsail load balancer TLS certificate
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 automatic snapshot of an instance or disk
Deletes the specified block storage disk
Deletes the specified disk snapshot
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 a specific SSH key pair
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 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 default SSH key pair from the user’s account
Enables or modifies an add-on for an Amazon Lightsail resource
Exports an Amazon Lightsail instance or block storage disk snapshot to Amazon Elastic Compute Cloud (Amazon EC2)

Exports an Amazon Lightsail instance or block storage disk snapshot to Amazon Elastic Compute Cloud (Amazon EC2)

Exports a public SSH key from a specific key pair

Exports a public SSH key from a specific key pair

Returns the names of all active (not deleted) resources

Returns the names of all active (not deleted) resources

Returns the available automatic snapshots for an instance or disk

Returns the available automatic snapshots for an instance or disk

Returns the list of available instance images, or blueprints

Returns the list of available instance images, or blueprints

Returns the list of bundles that are available for purchase

Returns the list of bundles that are available for purchase

Returns information about a specific block storage disk

Returns information about a specific block storage disk

Returns information about all block storage disks in your AWS account and region

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 a specific block storage disk snapshot

Returns information about all block storage disk snapshots in your AWS account and region

Returns information about all block storage disk snapshots in your AWS account and region

Returns a list of all domains in the user’s account

Returns a list of all domains in the user’s account

Returns the data points for the specified Amazon Lightsail instance metric, given an instance name

Returns the data points for the specified Amazon Lightsail instance metric, given an instance name

Returns the port states for a specific virtual private server, or instance

Returns the port states for a specific virtual private server, or instance

Returns information about all Amazon Lightsail virtual private servers, or instances

Returns information about all Amazon Lightsail virtual private servers, or instances

Returns information about a specific instance snapshot

Returns information about a specific instance snapshot

Returns all instance snapshots for the user’s account

Returns all instance snapshots for the user’s account

Returns the state of a specific instance

Returns the state of a specific instance

Returns information about a specific key pair

Returns information about a specific key pair

Returns information about all key pairs in the user’s account

Returns information about all key pairs in the user’s account

Returns information about the specified Lightsail load balancer

Returns information about the specified Lightsail load balancer

Returns information about health metrics for your 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 all load balancers in an account

Returns information about the TLS certificates that are associated with the specified load balancer

Returns information about the TLS certificates that are associated with the specified load balancer

Returns information about a specific operation

Returns information about a specific operation

Returns information about all operations

Returns information about all operations

Gets operations for a specific resource (e.g., regions)

Gets operations for a specific resource (e.g., regions)

Returns a list of all valid regions for Amazon Lightsail

Returns a list of all valid regions for Amazon Lightsail

Returns a list of available database blueprints 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 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 events for a specific database in Amazon Lightsail

Returns a list of log events for a 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 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 for a database

Returns the current, previous, or pending versions of the master user password for a database

Returns all of the runtime parameters offered by the underlying database software for the specified database

Returns all of the runtime parameters offered by the underlying database software for the specified database

Returns information about all of your databases in Amazon Lightsail

Returns information about all of your databases in Amazon Lightsail

Returns information about a specific database snapshot 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 all of your database snapshots in Amazon Lightsail

Returns information about a specific static IP

Returns information about a specific static IP

Returns information about all static IPs in the user’s account

Returns information about all static IPs in the user’s account

Imports a public SSH key from a specific key pair

Imports a public SSH key from a specific key pair

Returns a Boolean value indicating whether your Lightsail VPC is peered

Returns a Boolean value indicating whether your Lightsail VPC is peered

Adds public ports to an Amazon Lightsail instance

Adds public ports to an Amazon Lightsail instance
peer_vpc
put_instance_public_ports
reboot_instance
reboot_relational_database
release_static_ip
start_instance
start_relational_database
stop_instance
stop_relational_database
tag_resource
unpeer_vpc
untag_resource
update_domain_entry
update_load_balancer_attribute
update_relational_database
update_relational_database_parameters

Tries to peer the Lightsail VPC with the user’s default VPC
Sets the specified open ports for an Amazon Lightsail instance, and closes all other ports
Restarts a specific instance
Restarts a specific database in Amazon Lightsail
Deletes a specific static IP from your account
Starts a specific Amazon Lightsail instance from a stopped state
Starts a specific database from a stopped state in Amazon Lightsail
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
Attempts to unpeer 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 a domain recordset after it is created
Updates the specified attribute for a load balancer
Allows the update of one or more attributes of a database in Amazon Lightsail
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)
```

---

**serverlessapplicationrepository**

*AWS*ServerlessApplicationRepository*

---

**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**

```bash
serverlessapplicationrepository(config = list())
```

**Arguments**

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

**Service syntax**

```python
svc <- serverlessapplicationrepository(
    config = list(
        credentials = list(
            creds = list(
                access_key_id = "string",
                secret_access_key = "string",
                session_token = "string"
            ),
            profile = "string"
        ),
        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.
**Examples**

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

## End(Not run)
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