Package ‘paws.compute’

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Title 'Amazon Web Services' Compute Services
Version 0.1.12
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 (>= 0.3.0)
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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' 'eks_operations.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
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Description

Using AWS Batch, you can run batch computing workloads on the AWS Cloud. Batch computing is a common means for developers, scientists, and engineers to access large amounts of compute resources. AWS Batch utilizes the advantages of this computing workload to remove the undifferentiated heavy lifting of configuring and managing required infrastructure, while also adopting a familiar batch computing software approach. Given these advantages, AWS Batch can help you to efficiently provision resources in response to jobs submitted, thus effectively helping to eliminate capacity constraints, reduce compute costs, and deliver your results more quickly.

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

Usage

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

Arguments

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

A client for the service. You can call the service’s operations using syntax like $\textit{svc}\$\textit{operation}(...), where $\textit{svc}$ 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"
        ),
        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
- `list_tags_for_resource` Lists the tags for an AWS Batch resource
- `register_job_definition` Registers an AWS Batch job definition
- `submit_job` Submits an AWS 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 AWS Batch resource
- `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)
```

ec2  Amazon Elastic Compute Cloud

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

```r
cfg
```

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

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

Operations

- **accept_reserved_instances_exchange_quote**
- **accept_transit_gateway_multicast_domain_associations**
- **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_enclave_certificate_iam_role**
- **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**
- **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_carrier_gateway
create_client_vpn_endpoint
create_client_vpn_route
create_customer_gateway
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_export_task
create_internet_gateway
create_key_pair
create_launch_template
create_launch_template_version
create_local_gateway
create_local_gateway_route
create_local_gateway_route_table_vpc_association
create_managed_prefix_list
create_nat_gateway
create_network_acl
create_network_acl_entry
create_network_insights_path
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

Bundles an Amazon instance store-backed Windows instance.
Cancels a bundling operation for an instance store-backed Windows instance.
Cancels the specified Capacity Reservation, releases the reserved capacity, and changes the Capacity Reservation’s state to cancelled.
Cancels an active conversion task.
Cancels an active export task.
Cancels an in-process import virtual machine or import snapshot task.
Cancels the specified Reserved Instance listing in the Reserved Instance Marketplace.
Cancels one or more Spot Instance requests.
Determines whether a product code is associated with an instance.
Copies the specified Amazon FPGA Image (AFI) to the current Region.
Copies the copy of an AMI from the specified source Region to the current Region.
Copies a point-in-time snapshot of an EBS volume and stores it in Amazon S3.
Creates a new Capacity Reservation with the specified attributes.
Creates a carrier gateway.
Creates a Client VPN endpoint.
Adds a route to a network to a Client VPN endpoint.
Provides information to AWS about your VPN customer gateway device.
Creates a default subnet with a size /20 IPv4 CIDR block in the specified Availability Zone in your default VPC.
Creates a default VPC with a size /16 IPv4 CIDR block, a default subnet in each Availability Zone.
Creates a set of DHCP options for your VPC.
Creates an Amazon FPGA Image (AFI) from the specified design checkpoint (DCP).
Creates an Amazon EBS-backed AMI from an Amazon EBS-backed instance that is either running or stopped.
Exports a running or stopped instance to an Amazon S3 bucket.
Creates a new Capacity Reservation listing in the Reserved Instance Marketplace.
Creates a route in a route table within a VPC.
Creates a static route for the specified local gateway route table.
 Associates the specified VPC with the specified local gateway.
Creates an egress-only internet gateway.
Launches an EC2 Fleet.
Creates one or more flow logs to capture information about traffic for a subnet.
Creates an Amazon FPGA Image (AFI) from the specified design checkpoint (DCP).
Exports a running or stopped instance to an Amazon 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.
Creates a managed prefix list.
Creates a NAT gateway in the specified public subnet.
Creates an Amazon EBS-backed AMI from an Amazon EC2 Standard Reserved Instance.
Creates an entry (a rule) in a network ACL with the specified network CIDR.
Creates a path to analyze for reachability.
Creates a network interface in the specified subnet.
 Grants an AWS-authorized account permission to launch instances using the specified placement group in the specified availability zone.
Creates a listing for Amazon EC2 Standard Reserved Instances.
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 usages.
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_connect
create_transit_gateway_connect_peer
create_transit_gateway_multicast_domain
create_transit_gateway_peering_attachment
create_transit_gateway_prefix_list_reference
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
delete_carrier_gateway
delete_client_vpn_endpoint
delete_client_vpn_route
delete_customer_gateway
delete_dhcp_options
delete_egress_only_internet_gateway
delete_fleets
delete_flow_logs
delete_fpga_image
delete_internet_gateway
delete_key_pair
delete_launch_template
delete_launch_template_versions
delete_local_gateway_route
delete_local_gateway_route_table_vpc_association
delete_managed_prefix_list
delete_nat_gateway
delete_network_acl
delete_network_acl_entry
delete_network_insights_analysis
delete_network_insights_path
delete_network_interface
delete_network_interface_permission
delete_placement_group

create_subnet
Create a subnet in a specified VPC
Addrs or overwrites only the specified tags for the
Create a Traffic Mirror filter
Create a Traffic Mirror filter rule
Create a Traffic Mirror session
Create a target for your Traffic Mirror session
Create a transit gateway
Create a Connect attachment from a specified transit gateway
Create a Connect peer for a specified transit gateway
Create a multicast domain using the specified transit gateway
Requests a transit gateway peering attachment between two transit gateways
Creates a reference (route) to a prefix list in a specified prefix list
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
Create a VPC with the specified IPv4 CIDR block
Create a VPC endpoint for a specified service
Create a connection notification for a specified VPC endpoint service configuration
Requests a VPC peering connection between two VPCs
Create a VP connection between an existing VPC and a new VPC
Creates a static route associated with a VPN connection
Delete a carrier gateway
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
Deletes the specified association between a VPC endpoint and an internet 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 insights analysis
Deletes the specified path
Deletes the specified network interface
Deletes a permission for a network interface
Deletes the specified placement group
delete_queued_reserved_instances
delete_route
delete_route_table
delete_security_group
delete_snapshot
delete_spot_datafeed_subscription
delete_subnet
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_prefix_list_reference
delete_transit_gateway_route
delete_transit_gateway_route_table
delete_transit_gateway_vpc_attachment
delete_volume
delete_vpc
delete_vpc_endpoint_connection_notifications
delete_vpc_endpoints
delete_vpc_endpoint_service_configurations
delete_vpc_peering_connection
delete_vpn_connection
delete_vpn_connection_route
delete_vpn_gateway
deprovision_byoip_cidr
deregister_image
deregister_instance_event_notification_attributes
deregister_transit_gateway_multicast_group_members
deregister_transit_gateway_multicast_group_sources
describe_account_attributes
describe_addresses
describe_aggregate_id_format
describe_availability_zones
describe_bundle_tasks
describe_byoip_cidrs
describe_capacity_reservations
describe_carrier_gateways
describe_classic_link_instances
describe_client_vpn_authorization_rules
describe_client_vpn_connections
describe_client_vpn_endpoints
describe_client_vpn_routes

deletes the queued purchases for the specified Reserved Instances.
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 resources.
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 a reference (route) to a prefix list in a specific VPC.
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 a virtual private gateway.
Deletes the specified virtual private gateway.
Releases the specified address range that you provisioned for use with your AWS resources through bring your own IP addresses (BYOIP) and deletes the corresponding address pool.

Deregisters the specified AMI.
Deregisters tag keys to prevent tags that have the specified tag keys from being included in scheduled event notifications for resources in the Region.
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 Elastic IP addresses.
Describes the longer ID format settings for all resource types in a specific Region.
Describes the Availability Zones, Local Zones, and Wavelength Zones that are available to you.
Describes the specified bundle tasks or all of your bundle tasks.
Describes the IP address ranges that were specified when you created your virtual private gateway.
Describes one or more of your Capacity Reservations.
Describes one or more of your carrier gateways.
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 associated with a specified Client VPN endpoint.
Describes one or more Client VPN endpoints in the account.
Describes the routes for the specified Client VPN endpoint.
describe_client_vpn_target_networks
describe_coip_pools
describe_conversion_tasks
describe_customer_gateways
describe_dhcp_options
describe_egress_only_internet_gateways
describe_elastic_gpus
describe_export_image_tasks
describe_export_tasks
describe_fast_snapshot_restores
describe_fleet_history
describe_fleet_instances
describe_fleets
describe_flow_logs
describe_fpga_image_attribute
describe_fpga_images
describe_host_reservation_offerings
describe_host_reservations
describe_hosts
describe_iam_instance_profileAssociations
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_credit_specifications
describe_instance_event_notification_attributes
describe_instances
describe_instance_status
describe_instance_type_offerings
describe_instance_types
describe_internet_gateways
describe_ipv6_pools
describe_key_pairs
describe_launch_templates
describe_launch_template_versions
describe_local_gateway_route_tables
describe_local_gateway_route_table_virtual_interface_groupAssociations
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

Describes the target networks associated with the specified Client VPN endpoint.
Describes the specified customer-owned address pools.
Describes the specified conversion tasks.
Describes one or more of your VPN customer gateways.
Describes one or more of your DHCP options sets.
Describes one or more of your egress-only internet gateways.
Describes the Elastic Graphics accelerator associated with your instances.
Describes the specified export image tasks.
Describes the specified export instance 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 one or more flow logs.
Describes the specified attribute of the specified Amazon FPGA Image (AFI).
Describes the Dedicated Host reservations that are associated with Dedicated Hosts.
Describes reservations that are associated with Dedicated Hosts or all your Dedicated Hosts.
Describes your IAM instance profile associations.
Describes the ID format settings for resources for the specified IAM user, IAM role, or root user.
Describes the ID format settings for your resources on a per-Region basis.
Describes the specified attribute of the specified AMI.
Describes the specified images (AMIs, AKIs, and ARIs) available to you.
Displays details about an import virtual machine task or import snapshot task.
Displays details about your import snapshot tasks.
Displays your import snapshot tasks.
Displays the ID format settings for the specified resource.
Displays the credit option for CPU usage of the specified burstable performance instances.
Displays the tag keys that are registered to appear in scheduled event notifications.
Displays the specified instances or all instances.
Displays the status of the specified instances or all instances.
Returns a list of all instance types offered.
Displays the details of the instance types that are or were available to you.
Displays one or more of your internet gateways.
Displays your IPv6 address pools.
Displays the specified key pairs or all of your key pairs.
Displays one or more launch templates.
Displays one or more versions of a specified launch template.
Displays one or more local gateway route tables.
Displays the associations between virtual interface groups and local gateway route tables.
Displays the specified associations between VPCs and local gateway route tables.
Displays the specified local gateway virtual interfaces.
Displays your managed prefix lists and any AWS-managed prefix lists.
Displays your Elastic IP addresses that are being associated with your instances.
Displays one or more of your NAT gateways.
Displays one or more of your network ACLs.
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_ipv4_pools
describe_regions
describe_reserved_instances
describe_reserved_instances_listings
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_connect_peers
describe_transit_gateway_connects
describe_transit_gateway_multicast_domains
describe_transit_gateway_peering_attachments
describe_transit_gateway_route_tables
describe_transit_gateways
describe_transit_gateway_vpc_attachments
describe_volume_attribute
describe_volumes
describe_volumes_modifications
describe_volume_status
describe_vpc_attribute
describe_vpc_classic_link
describe_vpc_classic_link_dns_support

describes one or more of your network insights analyses
Describes one or more of your paths
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 format, which includes the prefix list name and prefix list ID of the service and the IP address range for the service
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 in your account
Describes your account’s Reserved Instance listings
Describes the modifications made to your Reserved Instance offerings
Describes Reserved Instance offerings that are available for purchase
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 a VPC peering connection that are referencing the security groups you’ve specified in this request
Describes the specified security groups or all of your security groups
Describes the specified attribute of the specified snapshot
Describes the specified EBS snapshots available to you or all of the EBS snapshots available to you
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 your VPCs
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 groups
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 multicastroutes
Describes your transit gateway peering attachments
Describes one or more transit gateway route tables
Describes one or more transit gateways
Describes one or more VPC attachments
Describes the specified attribute of the specified VPC
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
Describes the ClassicLink status of one or more VPCs
Describes the ClassicLink DNS support status of one or more VPCs
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_enclave_certificate_iam_role
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
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export_client_vpn_client_configuration
export_image
export_transit_gateway_routes
get_associated_enclave_certificate_iam_roles
get_associated_ipv6_pool_cidrs
get_capacity_reservation_usage
get_coip_pool_usage
get_console_output
get_console_screenshot
get_default_credit_specification

describe_vpc_endpoint_connection_notifications
Describes the connection notifications for VPC endpoints.
describe_vpc_endpoint_connections
Describes the VPC endpoint connections to your VPC endpoint services.
describe_vpc_endpoints
Describes one or more of your VPC endpoints.
describe_vpc_endpoint_service_configurations
Describes the VPC endpoint service configurations.
describe_vpc_endpoint_service_permissions
Describes the principals (service consumers) that can use your VPC endpoints.
describe_vpc_endpoint_services
Describes available services to which you can create VPC endpoints.
describe_vpc_peering_connections
Describes one or more of your VPC peering connections.
describe_vpcs
Describes one or more of your VPCs.
describe_vpn_connections
Describes one or more of your virtual private gateways.
detach_classic_link_vpc
Unlinks (detaches) a linked EC2-Classic instance from a VPC.
detach_internet_gateway
Detaches an internet gateway from a VPC, disabling connectivity between the internet and the VPC.
detach_network_interface
Detaches a network interface from an instance.
detach_volume
Detaches an EBS volume from an instance.
detach_vpn_gateway
Detaches a virtual private gateway from a VPC.
disable_ebs_encryption_by_default
Disables EBS encryption by default for your account.
disable_fast_snapshot_restores
Disables fast snapshot restores for the specified snapshot.
disable_transit_gateway_route_table_propagation
Disables the specified resource attachment from propagating routes to a VPC.
disable_vgw_route_propagation
Disables a virtual private gateway (VGW) from propagating routes to a VPC.

disable_vpc_classic_link
Disables ClassicLink for a VPC.
disable_vpc_classic_link_dns_support
Disables ClassicLink DNS support for a VPC.
disassociate_address
Disassociates an Elastic IP address from the instance.
disassociate_client_vpn_target_network
Disassociates a target network from the specified Client VPN endpoint.
disassociate_enclave_certificate_iam_role
Disassociates an IAM role from an AWS Certificate Manager (ACM) certificate.
disassociate_iam_instance_profile
Disassociates an IAM instance profile from a running or stopped instance.
disassociate_route_table
Disassociates a route table from the specified VPC, subnet, or gateway.
disassociate_subnet_cidr_block
Disassociates a CIDR block from a subnet.
disassociate_transit_gateway_multicast_domain
Disassociates the specified subnets from the transit gateway multicast domain.
disassociate_transit_gateway_route_table
Disassociates a route table from the specified VPC, subnet, or gateway.
disassociate_vpc_cidr_block
Disassociates a CIDR block from a VPC.
disable_ebs_encryption_by_default
Enables EBS encryption by default for your account.
disable_fast_snapshot_restores
Enables fast snapshot restores for the specified snapshot.
disable_transit_gateway_route_table_propagation
Enables the specified attachment to propagate routes to a VPC.
disable_vgw_route_propagation
Enables a virtual private gateway (VGW) to propagate routes to the specified VPC.
enable_volume_io
Enables I/O operations for a volume that had I/O operations disabled because the data on the volume was potentially inconsistent.
enable_vpc_classic_link
Enables ClassicLink for a VPC.
enable_vpc_classic_link_dns_support
Enables ClassicLink DNS support for a VPC.
export_client_vpn_client_certificate_revocation_list
Downloads the client certificate revocation list for the specified Client VPN endpoint.
export_client_vpn_client_configuration
Exports an Amazon Machine Image (AMI) to a VPC.
export_image
Exports routes from the specified transit gateway route table.
get_associated_enclave_certificate_iam_roles
Returns the IAM roles that are associated with the specified VPC endpoint service.
get_associated_ipv6_pool_cidrs
Gets information about the IPv6 CIDR block associated with a VPC CIDR block.
get_capacity_reservation_usage
Gets usage information about a Capacity Reservation.
get_coip_pool_usage
Describes the allocations from the specified customer-owned IPv4 address pool.
get_console_output
Gets the console output for the specified instance.
get_console_screenshot
Retrieves a JPG-format screenshot of a running instance.
get_default_credit_specification
Describes the default credit option for CPU usage.
get_ebs_default_kms_key_id
get_ebs_encryption_by_default
get_groups_for_capacity_reservation
get_host_reservation_purchase_preview
get_launch_template_data
get_managed_prefix_list Associations
get_prefix_list_ids
get_prefix_list_tags
import_client_vpn_client_certificate_revocation_list
import_image
import_key_pair
import_snapshot
import_volume
modify_availability_zone_group
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_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_prefix_list
modify_prefix_list_tags
modify_reserved_instances
modify_subnet_attribute
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

Describes the default customer master key (CMK)
Describes whether EBS encryption by default is on
Lists the resource groups to which a Capacity Reservation
Preview a reservation purchase with configuration
Retrieves the configuration data of the specified instance
Gets information about the resources that are associated with
Gets information about the entries for a specified
Retrieves the encrypted administrator password for Windows
Returns a quote and exchange information for
Lists the route tables to which the specified resource
Gets information about the associations for the transit
Gets information about the prefix list references
Gets information about the associations for the specified
Gets information about the route table propagations
Uploads a client certificate revocation list to the
Import single or multi-volume disk images or EBS snapshots
Creates an import instance task using metadata from
Imports the public key from an RSA key pair that
Imports a disk into an EBS snapshot
Creates an import volume task using metadata from
Changes the opt-in status of the Local Zone and
Modifies a Capacity Reservation’s capacity and the
Modifies the specified Client VPN endpoint
Modifies the default credit option for CPU usage on a running
Changes the default customer master key (CMK)
Modifies the specified EC2 Fleet
Modifies the specified attribute of the specified AMI
Modify the auto-placement setting of a Dedicated Host
Modifies the ID format of a resource for a specific
Modifies the ID format for the specified resources
Modifies the specified attribute of the specified AMI
Modifies the specified attribute of the specified instance
Modifies the Capacity Reservation settings for a specific
Modifies the credit option for CPU usage on a running
Modifies the start time for a scheduled Amazon EC2
Modifies the instance metadata parameters on a running
Modifies the placement attributes for a specified
Modifies a launch template
Modifies the specified managed prefix list
Modifies the specified network interface attribute
Modifies the Availability Zone, instance count, in
Adds or removes permission settings for the specified
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
modify_transit_gateway_prefix_list_reference
modify_transit_gateway_vpc_attachment
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_permissions
modify_vpc_peering_connection_options
modify_vpc_tenancy
modify_vpn_connection
modify_vpn_connection_options
modify_vpn_tunnel_certificate
modify_vpn_tunnel_options
monitor_instances
move_address_to_vpc
provision_byoip_cidr
purchase_host_reservation
purchase_reserved_instances_offering
purchase_scheduled_instances
reboot_instances
register_image
register_instance_event_notification_attributes
register_transit_gateway_multicast_group_members
register_transit_gateway_multicast_group_sources
reject_transit_gateway_multicast_domainAssociations
reject_transit_gateway_peering_attachment
reject_transit_gateway_vpc_attachment
reject_vpc_endpoint_connections
reject_vpc_peering_connection
release_address
release_hosts
replace_iam_instance_profile_association
replace_network_acls
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

Modifies a reference (route) to a prefix list in a specified transit gateway route table.
Modifies the specified VPC attachment.
You can modify several parameters of an existing EBS volume, including volume size, volume type, and IOPS capacity.
Modifies a volume attribute.
Modifies the specified attribute of the specified VPC endpoint service configuration.
Modifies attributes of a specified VPC endpoint service configuration.
Modifies a connection notification for a VPC endpoint service configuration.
Modifies the attributes of your VPC endpoint service configuration.
Modifies the permissions for your VPC endpoint service configuration.
Modifies the VPC peering connection options on one side of a VPC peering connection.
Modifies the instance tenancy attribute of the specified running instance.
Modifies the customer gateway or the target gateway of an AWS Site-to-Site VPN connection.
Modifies the connection options for your Site-to-Site VPN connection.
Modifies the options for a VPN tunnel in an AWS Site-to-Site VPN connection.
Enables detailed monitoring for a running instance.
Moves an Elastic IP address from the EC2-Classic platform to the EC2-VPC platform.
Provisions an IPv4 or IPv6 address range for use with your AWS resources through bring your own IP addresses (BYOIP) and creates a corresponding address pool.
Purchases a reservation with configurations that match those of your Dedicated Host.
Purchases a Reserved Instance for use with your AWS account.
Purchases the Scheduled Instances with the specified schedule.
Requests a reboot of the specified instances.
Registers an AMI.
Registers a set of tag keys to include in scheduled event notifications for your resources.
Registers members (network interfaces) with the specified VPC.
Registers sources (network interfaces) with the specified VPC.
Rejects a request to associate cross-account subnets with a transit gateway multicast domain.
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, it can be released.
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 gateway.
Replaces the specified route in the specified transit gateway route table.
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 moved to the EC2-VPC platform back to the EC2-Classic platform.

Removes the entries from a previous version of a managed prefix list to the new version of the prefix list.

Removes an ingress authorization rule from a Client VPN endpoint.

Removes the specified egress rules from a security group for EC2-VPC.

Launches the specified number of instances using an AMI for which you have permissions.

Launches the specified Scheduled Instances.

Searches for routes in the specified local gateway route table.

Searches one or more transit gateway multicast groups.

Searches for routes in the specified transit gateway route table.

Sends a diagnostic interrupt to the specified Amazon EC2 instance to trigger a kernel panic (on Linux instances) or a blue screen/stop error (on Windows instances).

Starts an Amazon EBS-backed instance that you've previously stopped.

Starts analyzing the specified path.

Starts the verification process to prove that the service provider owns the private DNS name domain for the endpoint service.

Shuts down the specified instances.

Unassigns one or more IPv6 addresses from a network interface.

Unassigns one or more secondary private IP addresses from a network interface.

Disables detailed monitoring for a running instance.

Updates the description of an egress (outbound) security group rule.

Updates the description of an ingress (inbound) security group rule.

Stops advertising an address range that is provisioned as an address pool.

## 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)
```

### 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

e2instanceconnect(config = list())

Arguments

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

Value

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

Service syntax

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

## Not run:
svc <- ec2instanceconnect()
# The following example pushes a sample SSH public key to the EC2 instance
# i-abcd1234 in AZ us-west-2a 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 AAAAB3NzaC1yc2EAAAADAQABAAABAQ3FlHqj2eqCdrGHuA6d..."
)
# 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.

## Usage

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

## Arguments

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

## 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
csvc <- 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
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<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
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<tr>
<td>batch_check_layer_availability</td>
<td>Checks the availability of one or more image layers in a repository</td>
</tr>
<tr>
<td>batch_delete_image</td>
<td>Deletes a list of specified images within a repository</td>
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<tr>
<td>batch_get_image</td>
<td>Gets detailed information for an image</td>
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<td>complete_layer_upload</td>
<td>Informs Amazon ECR that the image layer upload has completed for a specified registry</td>
</tr>
<tr>
<td>create_repository</td>
<td>Creates a repository</td>
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<tr>
<td>delete_lifecycle_policy</td>
<td>Deletes the lifecycle policy associated with the specified repository</td>
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<tr>
<td>delete_registry_policy</td>
<td>Deletes the registry permissions policy</td>
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<tr>
<td>delete_repository</td>
<td>Deletes a repository</td>
</tr>
<tr>
<td>delete_repository_policy</td>
<td>Deletes the repository policy associated with the specified repository</td>
</tr>
<tr>
<td>describe_images</td>
<td>Returns metadata about the images in a repository</td>
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<tr>
<td>describe_image_scan_findings</td>
<td>Returns the scan findings for the specified image</td>
</tr>
<tr>
<td>describe_registry</td>
<td>Describes the settings for a registry</td>
</tr>
<tr>
<td>describe_repositories</td>
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<tr>
<td>get_authorization_token</td>
<td>Retrieves an authorization token</td>
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<tr>
<td>get_download_url_for_layer</td>
<td>Retrieves the pre-signed Amazon S3 download URL corresponding to an image layer</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_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>Lists 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>Updates the image scanning configuration for the specified repository</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_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 permissions</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"
    )
  ),
)```
Amazon EC2 Container Service

Description

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

ecs(config = list())

Arguments

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

Value

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

Service syntax

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

```
secret_access_key = "string",
    session_token = "string"
),
    profile = "string"
),
    endpoint = "string",
    region = "string"
)

Operations

create_capacity_provider
create_cluster
create_service
create_task_set
delete_account_setting
delete_attributes
delete_capacity_provider
delete_cluster
delete_service
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
list_account_settings
list_attributes
list_clusters
list_container_instances
list_services
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

create_capacity_provider
create_cluster
create_service
create_task_set
delete_account_setting
delete_attributes
delete_capacity_provider
delete_cluster
delete_service
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
list_account_settings
list_attributes
list_clusters
list_container_instances
list_services
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

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

PutAccountSetting

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

PutAttributes

Create or update an attribute on an Amazon ECS resource.

PutClusterCapacityProviders

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

PutTaskDefinition

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

RunTask

Starts a new task using the specified task definition.
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_settings
update_container_agent
update_container_instances_state
update_service
update_service_primary_task_set
update_task_set

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.

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

Deletes specified tags from a resource.

Modifies the specified tags to a resource.

Modifies the parameters for a capacity provider.

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.

Updating the task placement strategies and constraints on an Amazon ECS service remains in preview and is a Beta Service as defined by and subject to the Beta Service Participation Service Terms located at https://aws.

Modifies which task set in a service is the primary 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)

describe services

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

eks(config = list())
Arguments

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

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

Operations

- `create_addon` Creates an Amazon EKS add-on
- `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_addon` Delete an Amazon EKS add-on
- `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_addon` Describes an Amazon EKS add-on
- `describe_addon_versions` Describes the Kubernetes versions that the add-on can be used with
- `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
- `list_addons` Lists the available add-ons
- `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 Region
- `list_nodegroups` Lists the Amazon EKS managed node groups associated with the specified cluster in your AWS account in the 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 Region
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..."
  ),
  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())

Arguments

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

Value

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

Service syntax

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

Operations

abort_environment_update  Cancels in-progress environment configuration update or application version deployment
apply_environmentManagedAction   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  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  Create 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  Deletes the draft configuration associated with the running environment
delete_platform_version  Deletes the specified version of a custom platform
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

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
Describes a platform version
Disassociates the operations role from an environment
Returns a list of the available solution stack names, with the public version first and then in reverse chronological order.
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.
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

Examples

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

## End(Not run)
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

```python
lambda(config = list())
```

Arguments

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

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

```python
svc <- 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_code_signing_config**
  - Creates a code signing configuration
create_event_source_mapping
create_function
delete_alias
delete_code_signing_config
delete_event_source_mapping
delete_function
delete_function_code_signing_config
delete_function_concurrency
delete_function_event_invoke_config
delete_layer_version
delete_provisionedConcurrencyConfig
get_account_settings
get_alias
get_code_signing_config
get_event_source_mapping
get_function
get_function_code_signing_config
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_provisionedConcurrencyConfig
invoke
invoke_async
list_aliases
list_code_signing_configs
list_event_source_mappings
list_function_event_invoke_configs
list_functions
list_functions_by_code_signing_config
list_layers
list_layer_versions
list_provisionedConcurrencyConfigs
list_tags
list_versions_by_function
publish_layer_version
publish_version
put_function_code_signing_config
put_function_concurrency
put_function_event_invoke_config
put_provisionedConcurrencyConfig
remove_layer_version_permission
remove_permission
tag_resource
untag_resource

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_code_signing_config
Deletes the code signing configuration
delete_event_source_mapping
Deletes an event source mapping
delete_function
Deletes a Lambda function
delete_function_code_signing_config
Removes the code signing configuration from the function
delete_function_concurrency
Removes a concurrent execution limit from a function
delete_function_event_invoke_config
Deletes the configuration for asynchronous invocation for a function, version, or alias
delete_layer_version
Deletes a version of an AWS Lambda layer
delete_provisionedConcurrencyConfig
Deletes the provisioned concurrency configuration for a function
get_account_settings
Retrieves details about your account’s limits and usage in an AWS Region
get_alias
Retrieves details about a Lambda function alias
get_code_signing_config
Retrieves information about the specified code signing configuration
get_event_source_mapping
Retrieves information about an event source mapping
get_function
Retrieves the code signing configuration for the specified function
get_function_code_signing_config
Retrieves details about the reserved concurrency configuration for a function
get_function_concurrency
Retrieves the version-specific settings of a Lambda function or version
get_function_configuration
Retrieves the configuration for asynchronous invocation for a function, version, or a specific alias
get_function_event_invoke_config
Retrieves information about a version of an AWS Lambda layer, with a link to download the layer archive
get_layer_version
Retrieves information about a version of an AWS Lambda layer, with a link to download the layer archive
get_layer_version_by_arn
Retrieves information about a version of an AWS Lambda layer, with a link to download the layer archive
get_layer_version_policy
Retrieves the permission policy for a version of an AWS Lambda layer
get_policy
Retrieves 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
invoke
Invokes a Lambda function
invoke_async
For asynchronous function invocation, use Invoke
list_aliases
Returns a list of aliases for a Lambda function
list_code_signing_configs
Returns a list of code signing configurations
list_event_source_mappings
Lists event source mappings
list_function_event_invoke_configs
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_code_signing_config
List the functions that use the specified code signing configuration
list_layers
Lists AWS Lambda layers and shows information about the latest version of each
list_layer_versions
Lists the versions of an AWS 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_layer_version
Creates an AWS Lambda layer from a ZIP archive
publish_version
Creates a version from the current code and configuration of a function
put_function_code_signing_config
Update the code signing configuration for the function
put_function_concurrency
Sets the maximum number of simultaneous executions for a function, and reserves capacity for that level
put_function_event_invoke_config
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
remove_layer_version_permission
Removes a statement from the permissions policy for a version of an AWS Lambda layer
remove_permission
Revokes function-use permission from an AWS service or another account
tag_resource
Adds tags to a function
untag_resource
Removes tags from a function
## Not run:
svc <- lambda()
# The following example grants permission for the account 223456789012 to
# use version 1 of a layer named my-layer.
svc$add_layer_version_permission(
  Action = "lambda:GetLayerVersion",
  LayerName = "my-layer",
  Principal = "223456789012",
  StatementId = "xaccount",
  VersionNumber = 1L
)

## End(Not run)
Arguments

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

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 <- lightsail(
  config = list(
    credentials = list(
      creds = list(
        access_key_id = "string",
        secret_access_key = "string",
        session_token = "string"
      ),
      profile = "string"
    ),
    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_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 a contact method for your Amazon Lightsail container service
- `create_container_service` Creates a container service for your Amazon Lightsail container service
- `create_container_service_deployment` Creates a deployment for your container service
- `create_container_service_registry_login` Creates a temporary set of log in credentials that you can use to log in to the container service
- `create_disk` Creates a block storage disk that can be attached to an Amazon Lightsail instance
- `create_disk_from_snapshot` Creates a block storage disk from a manual or automatic snapshot of a disk
- `create_disk_snapshot` Creates a snapshot of a block storage disk
- `create_distribution` Creates an Amazon Lightsail content delivery network (CDN) distribution
- `create_domain` Creates a domain resource for the specified domain (e.g., a domain name)
- `create_domain_entry` Creates one of the following domain name system (DNS) records in a domain.
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_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
get_alarms
get_auto_snapshots
get_blueprints
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

Creates one or more Amazon Lightsail instances
Creates one or more new instances from a manual or automatic snapshot of an instance
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 alarm
Deletes an automatic snapshot of an instance or disk
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 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 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 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 S3
Returns the names of all active (not deleted) resources
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 list of bundles that are available for purchase
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 deployment
Returns the container images that are registered to your Amazon Lightsail container service
Returns the log events of a container of your Amazon Lightsail container service
Returns the deployments for your Amazon Lightsail container service
get_container_service_metric_data
get_container_service_powers
get_container_services
get_disk
get_disks
get_disk_snapshot
get_disk_snapshots
get_distribution_bundles
get_distribution_latest_cache_reset
get_distribution_metric_data
get_distributions
get_domain
get_domains
get_export_snapshot_records
get_instance
get_instance_access_details
get_instance_metric_data
get_instance_port_states
get_instances
get_instance_snapshot
get_instance_snapshots
get_instance_state
get_key_pair
get_key_pairs
get_load_balancer
get_load_balancer_metric_data
get_load_balancers
get_load_balancer_tls_certificates
get_operation
get_operations
get_operations_for_resource
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

get_container_service_metric_data
Returns the data points of a specific metric of your Amazon Lightsail container service.
get_container_service_powers
Returns the list of powers that can be specified for your Amazon Lightsail container service.
get_container_services
Returns information about one or more of your Amazon Lightsail container services.
get_disk
Returns information about a specific block storage disk.
get_disks
Returns information about all block storage disks in your AWS account and region.
get_disk_snapshot
Returns information about a specific block storage disk snapshot.
get_disk_snapshots
Returns information about all block storage disk snapshots in your AWS account and region.
get_distribution_bundles
Returns the list bundles that can be applied to your Amazon Lightsail content delivery network (CDN) distribution.
get_distribution_latest_cache_reset
Returns the timestamp and status of the last cache reset of a specific Amazon Lightsail CDN distribution.
get_distribution_metric_data
Returns the data points of a specific metric for an Amazon Lightsail CDN distribution.
get_distributions
Returns information about one or more of your Amazon Lightsail CDN distributions.
get_domain
Returns a list of all domains in the user’s account.
get_domains
Returns information about one or more of your Amazon Lightsail domain records.
get_export_snapshot_records
Returns a list of all export snapshot records for the account.
get_instance
Returns information about a specific Amazon Lightsail instance, which is a virtual private server.
get_instance_access_details
Returns temporary SSH keys you can use to connect to a specific virtual private server.
get_instance_metric_data
Returns the data points for the specified Amazon Lightsail instance metric, given an instance name.
get_instance_port_states
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.
get_instances
Returns information about all Amazon Lightsail virtual private servers, or instances.
get_instance_snapshot
Returns information about a specific instance snapshot.
get_instance_snapshots
Returns all instance snapshots for the user’s account.
get_instance_state
Returns the state of a specific instance.
get_key_pair
Returns information about a specific key pair.
get_key_pairs
Returns information about all key pairs in the user’s account.
get_load_balancer
Returns information about the specified Lightsail load balancer.
get_load_balancer_metric_data
Returns information about health metrics for your Lightsail load balancer.
get_load_balancers
Returns information about all load balancers in an account.
get_load_balancer_tls_certificates
Returns information about the TLS certificates that are associated with the specified Lightsail load balancer.
get_operations
Returns information about a specific operation.
get_operations_for_resource
Returns information about all operations.
get_regions
Gets operations for a specific resource (e.g., resource id, operation id).
get_relational_database
Returns a list of all valid regions for Amazon Lightsail.
get_relational_database_blueprints
Returns information about a specific database blueprint in Amazon Lightsail.
get_relational_database_bundles
Returns a list of available database bundles in Amazon Lightsail.
get_relational_database_events
Returns the list of bundle events for a specific database in Amazon Lightsail.
get_relational_database_log_events
Returns a list of log events for a database in Amazon Lightsail.
get_relational_database_log_streams
Returns a list of log streams for a specific database in Amazon Lightsail.
get_relational_database_master_user_password
Returns the current, previous, or pending versions of the master user password for a Lightsail database.
get_relational_database_metric_data
Returns all of the runtime parameters offered by the underlying database software.
get_relational_databases
Returns information about all of your databases in Amazon Lightsail.
get_relational_database_snapshot
Returns information about a specific database snapshot in Amazon Lightsail.
get_relational_database_snapshots
Returns information about all of your database snapshots in Amazon Lightsail.
get_static_ip
Returns information about a specific static IP.
get_static_ips
Returns information about all static IPs in the user’s account.
import_key_pair
Imports a public SSH key from a specific key pair.
is_vpc_peered
Returns a Boolean value indicating whether your Lightsail VPC is 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
start_instance
start_relational_database
stop_instance
stop_relational_database
tag_resource
test_alarm
unpeer_vpc
untag_resource
update_container_service
update_distribution
update_distribution_bundle
update_domain_entry
update_load_balancer_attribute
update_relational_database
update_relational_database_parameters

Opens ports for a specific Amazon Lightsail instance, and specifies the IP addresses allowed to connect to the instance through the ports, and the protocol.

Tries to peer 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 addresses allowed to connect to the instance through the ports, and the protocol.

Restarts a specific instance in Amazon Lightsail.

Registers a container image to your Amazon Lightsail container service.

Deactivates or activates a specific static IP from your account.

Attempts to unpeer the Lightsail VPC from the user’s default VPC.

Sends a verification request to an email contact method to ensure it’s owned by the requester.

Starts a specific Amazon Lightsail instance from a stopped state.

Stops a specific database in Amazon Lightsail.

Starts a specific Amazon Lightsail instance from a stopped state.

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.

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 the configuration of your Amazon Lightsail container service, such as the power, scale, and public domain names.

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.

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

## 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

serverlessapplicationrepository(config = list())

Arguments

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

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

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)
```
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