

Package ‘paws.compute’

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Title Amazon Web Services Compute APIs

Version 0.1.4

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

License Apache License (>= 2.0)

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batch	<i>AWS Batch</i>
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Description

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

batch()

Operations

cancel_job	Cancel 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

<code>delete_compute_environment</code>	Deletes an AWS Batch compute environment
<code>delete_job_queue</code>	Deletes the specified job queue
<code>deregister_job_definition</code>	Deregisters an AWS Batch job definition
<code>describe_compute_environments</code>	Describes one or more of your compute environments
<code>describe_job_definitions</code>	Describes a list of job definitions
<code>describe_job_queues</code>	Describes one or more of your job queues
<code>describe_jobs</code>	Describes a list of AWS Batch jobs
<code>list_jobs</code>	Returns a list of AWS Batch jobs
<code>register_job_definition</code>	Registers an AWS Batch job definition
<code>submit_job</code>	Submits an AWS Batch job from a job definition
<code>terminate_job</code>	Terminates a job in a job queue
<code>update_compute_environment</code>	Updates an AWS Batch compute environment
<code>update_job_queue</code>	Updates a job queue

Examples

```
# This example cancels a job with the specified job ID.
svc <- batch()
svc$cancel_job(
  jobId = "1d828f65-7a4d-42e8-996d-3b900ed59dc4",
  reason = "Cancelling job."
)
```

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: [Amazon EC2 product page](#), [Amazon EC2 documentation](#)
- Amazon EBS: [Amazon EBS product page](#), [Amazon EBS documentation](#)
- Amazon VPC: [Amazon VPC product page](#), [Amazon VPC documentation](#)
- AWS VPN: [AWS VPN product page](#), [AWS VPN documentation](#)

Usage

```
ec2()
```

Operations

<code>accept_reserved_instances_exchange_quote</code>	Accepts the Convertible Reserved Instance exchange quote described in Reserved Instance Exchange
<code>accept_transit_gateway_vpc_attachment</code>	Accepts a request to attach a VPC to a transit gateway
<code>accept_vpc_endpoint_connections</code>	Accepts one or more interface VPC endpoint connection requests to your VPC
<code>accept_vpc_peering_connection</code>	Accepts a VPC peering connection request
<code>advertise_byoip_cidr</code>	Advertises an IPv4 address range that is provisioned for use with your VPC
<code>allocate_address</code>	Allocates an Elastic IP address to your AWS account
<code>allocate_hosts</code>	Allocates a Dedicated Host to your account
<code>apply_security_groups_to_client_vpn_target_network</code>	Applies a security group to the association between the target network and the Client VPN endpoint
<code>assign_ipv6_addresses</code>	Assigns one or more IPv6 addresses to the specified network interface
<code>assign_private_ip_addresses</code>	Assigns one or more secondary private IP addresses to the specified network interface
<code>associate_address</code>	Associates an Elastic IP address with an instance or a network interface
<code>associate_client_vpn_target_network</code>	Associates a target network with a Client VPN endpoint
<code>associate_dhcp_options</code>	Associates a set of DHCP options (that you've previously created) with a VPC
<code>associate_iam_instance_profile</code>	Associates an IAM instance profile with a running or stopped instance
<code>associate_route_table</code>	Associates a subnet with a route table
<code>associate_subnet_cidr_block</code>	Associates a CIDR block with your subnet
<code>associate_transit_gateway_route_table</code>	Associates the specified attachment with the specified transit gateway
<code>associate_vpc_cidr_block</code>	Associates a CIDR block with your VPC
<code>attach_classic_link_vpc</code>	Links an EC2-Classic instance to a ClassicLink-enabled VPC through a ClassicLink connection
<code>attach_internet_gateway</code>	Attaches an internet gateway to a VPC, enabling connectivity between the VPC and the Internet
<code>attach_network_interface</code>	Attaches a network interface to an instance
<code>attach_volume</code>	Attaches an EBS volume to a running or stopped instance and exposes it as a device
<code>attach_vpn_gateway</code>	Attaches a virtual private gateway to a VPC
<code>authorize_client_vpn_ingress</code>	Adds an ingress authorization rule to a Client VPN endpoint
<code>authorize_security_group_egress</code>	[VPC only] Adds the specified egress rules to a security group for use with the specified VPC
<code>authorize_security_group_ingress</code>	Adds the specified ingress rules to a security group
<code>bundle_instance</code>	Bundles an Amazon instance store-backed Windows instance
<code>cancel_bundle_task</code>	Cancels a bundling operation for an instance store-backed Windows instance
<code>cancel_capacity_reservation</code>	Cancels the specified Capacity Reservation, releases the reserved capacity, and returns the reserved capacity to the pool of available capacity
<code>cancel_conversion_task</code>	Cancels an active conversion task
<code>cancel_export_task</code>	Cancels an active export task
<code>cancel_import_task</code>	Cancels an in-process import virtual machine or import snapshot task
<code>cancel_reserved_instances_listing</code>	Cancels the specified Reserved Instance listing in the Reserved Instance Marketplace
<code>cancel_spot_fleet_requests</code>	Cancels the specified Spot Fleet requests
<code>cancel_spot_instance_requests</code>	Cancels one or more Spot Instance requests
<code>confirm_product_instance</code>	Determines whether a product code is associated with an instance
<code>copy_fpga_image</code>	Copies the specified Amazon FPGA Image (AFI) to the current Region
<code>copy_image</code>	Initiates the copy of an AMI from the specified source Region to the current Region
<code>copy_snapshot</code>	Copies a point-in-time snapshot of an EBS volume and stores it in another Region
<code>create_capacity_reservation</code>	Creates a new Capacity Reservation with the specified attributes
<code>create_client_vpn_endpoint</code>	Creates a Client VPN endpoint
<code>create_client_vpn_route</code>	Adds a route to a network to a Client VPN endpoint
<code>create_customer_gateway</code>	Provides information to AWS about your VPN customer gateway device
<code>create_default_subnet</code>	Creates a default subnet with a size /20 IPv4 CIDR block in the specified VPC
<code>create_default_vpc</code>	Creates a default VPC with a size /16 IPv4 CIDR block and a default subnet
<code>create_dhcp_options</code>	Creates a set of DHCP options for your VPC
<code>create_egress_only_internet_gateway</code>	[IPv6 only] Creates an egress-only internet gateway for your VPC
<code>create_fleet</code>	Launches an EC2 Fleet

<code>create_flow_logs</code>	Creates one or more flow logs to capture information about IP traffic
<code>create_fpga_image</code>	Creates an Amazon FPGA Image (AFI) from the specified design che
<code>create_image</code>	Creates an Amazon EBS-backed AMI from an Amazon EBS-backed
<code>create_instance_export_task</code>	Exports a running or stopped instance to an S3 bucket
<code>create_internet_gateway</code>	Creates an internet gateway for use with a VPC
<code>create_key_pair</code>	Creates a 2048-bit RSA key pair with the specified name
<code>create_launch_template</code>	Creates a launch template
<code>create_launch_template_version</code>	Creates a new version for a launch template
<code>create_nat_gateway</code>	Creates a NAT gateway in the specified public subnet
<code>create_network_acl</code>	Creates a network ACL in a VPC
<code>create_network_acl_entry</code>	Creates an entry (a rule) in a network ACL with the specified rule num
<code>create_network_interface</code>	Creates a network interface in the specified subnet
<code>create_network_interface_permission</code>	Grants an AWS-authorized account permission to attach the specified
<code>create_placement_group</code>	Creates a placement group in which to launch instances
<code>create_reserved_instances_listing</code>	Creates a listing for Amazon EC2 Standard Reserved Instances to be
<code>create_route</code>	Creates a route in a route table within a VPC
<code>create_route_table</code>	Creates a route table for the specified VPC
<code>create_security_group</code>	Creates a security group
<code>create_snapshot</code>	Creates a snapshot of an EBS volume and stores it in Amazon S3
<code>create_snapshots</code>	Creates crash-consistent snapshots of multiple EBS volumes and stor
<code>create_spot_datafeed_subscription</code>	Creates a data feed for Spot Instances, enabling you to view Spot Inst
<code>create_subnet</code>	Creates a subnet in an existing VPC
<code>create_tags</code>	Adds or overwrites the specified tags for the specified Amazon EC2 r
<code>create_traffic_mirror_filter</code>	Creates a Traffic Mirror filter
<code>create_traffic_mirror_filter_rule</code>	Creates a Traffic Mirror rule
<code>create_traffic_mirror_session</code>	Creates a Traffic Mirror session
<code>create_traffic_mirror_target</code>	Creates a target for your Traffic Mirror session
<code>create_transit_gateway</code>	Creates a transit gateway
<code>create_transit_gateway_route</code>	Creates a static route for the specified transit gateway route table
<code>create_transit_gateway_route_table</code>	Creates a route table for the specified transit gateway
<code>create_transit_gateway_vpc_attachment</code>	Attaches the specified VPC to the specified transit gateway
<code>create_volume</code>	Creates an EBS volume that can be attached to an instance in the sam
<code>create_vpc</code>	Creates a VPC with the specified IPv4 CIDR block
<code>create_vpc_endpoint</code>	Creates a VPC endpoint for a specified service
<code>create_vpc_endpoint_connection_notification</code>	Creates a connection notification for a specified VPC endpoint or VP
<code>create_vpc_endpoint_service_configuration</code>	Creates a VPC endpoint service configuration to which service consu
<code>create_vpc_peering_connection</code>	Requests a VPC peering connection between two VPCs: a requester V
<code>create_vpn_connection</code>	Creates a VPN connection between an existing virtual private gatewa
<code>create_vpn_connection_route</code>	Creates a static route associated with a VPN connection between an e
<code>create_vpn_gateway</code>	Creates a virtual private gateway
<code>delete_client_vpn_endpoint</code>	Deletes the specified Client VPN endpoint
<code>delete_client_vpn_route</code>	Deletes a route from a Client VPN endpoint
<code>delete_customer_gateway</code>	Deletes the specified customer gateway
<code>delete_dhcp_options</code>	Deletes the specified set of DHCP options
<code>delete_egress_only_internet_gateway</code>	Deletes an egress-only internet gateway
<code>delete_fleets</code>	Deletes the specified EC2 Fleet
<code>delete_flow_logs</code>	Deletes one or more flow logs
<code>delete_fpga_image</code>	Deletes the specified Amazon FPGA Image (AFI)

<code>delete_internet_gateway</code>	Deletes the specified internet gateway
<code>delete_key_pair</code>	Deletes the specified key pair, by removing the public key from Amazon EC2
<code>delete_launch_template</code>	Deletes a launch template
<code>delete_launch_template_versions</code>	Deletes one or more versions of a launch template
<code>delete_nat_gateway</code>	Deletes the specified NAT gateway
<code>delete_network_acl</code>	Deletes the specified network ACL
<code>delete_network_acl_entry</code>	Deletes the specified ingress or egress entry (rule) from the specified network ACL
<code>delete_network_interface</code>	Deletes the specified network interface
<code>delete_network_interface_permission</code>	Deletes a permission for a network interface
<code>delete_placement_group</code>	Deletes the specified placement group
<code>delete_route</code>	Deletes the specified route from the specified route table
<code>delete_route_table</code>	Deletes the specified route table
<code>delete_security_group</code>	Deletes a security group
<code>delete_snapshot</code>	Deletes the specified snapshot
<code>delete_spot_datafeed_subscription</code>	Deletes the data feed for Spot Instances
<code>delete_subnet</code>	Deletes the specified subnet
<code>delete_tags</code>	Deletes the specified set of tags from the specified set of resources
<code>delete_traffic_mirror_filter</code>	Deletes the specified Traffic Mirror filter
<code>delete_traffic_mirror_filter_rule</code>	Deletes the specified Traffic Mirror rule
<code>delete_traffic_mirror_session</code>	Deletes the specified Traffic Mirror session
<code>delete_traffic_mirror_target</code>	Deletes the specified Traffic Mirror target
<code>delete_transit_gateway</code>	Deletes the specified transit gateway
<code>delete_transit_gateway_route</code>	Deletes the specified route from the specified transit gateway route table
<code>delete_transit_gateway_route_table</code>	Deletes the specified transit gateway route table
<code>delete_transit_gateway_vpc_attachment</code>	Deletes the specified VPC attachment
<code>delete_volume</code>	Deletes the specified EBS volume
<code>delete_vpc</code>	Deletes the specified VPC
<code>delete_vpc_endpoint_connection_notifications</code>	Deletes one or more VPC endpoint connection notifications
<code>delete_vpc_endpoint_service_configurations</code>	Deletes one or more VPC endpoint service configurations in your account
<code>delete_vpc_endpoints</code>	Deletes one or more specified VPC endpoints
<code>delete_vpc_peering_connection</code>	Deletes a VPC peering connection
<code>delete_vpn_connection</code>	Deletes the specified VPN connection
<code>delete_vpn_connection_route</code>	Deletes the specified static route associated with a VPN connection
<code>delete_vpn_gateway</code>	Deletes the specified virtual private gateway
<code>deprovision_byoip_cidr</code>	Releases the specified address range that you provisioned for use with Amazon EC2
<code>deregister_image</code>	Deregisters the specified AMI
<code>describe_account_attributes</code>	Describes attributes of your AWS account
<code>describe_addresses</code>	Describes the specified Elastic IP addresses or all of your Elastic IP addresses
<code>describe_aggregate_id_format</code>	Describes the longer ID format settings for all resource types in a specified region
<code>describe_availability_zones</code>	Describes the Availability Zones that are available to you
<code>describe_bundle_tasks</code>	Describes the specified bundle tasks or all of your bundle tasks
<code>describe_byoip_cidrs</code>	Describes the IP address ranges that were specified in calls to Provisioned Address Ranges
<code>describe_capacity_reservations</code>	Describes one or more of your Capacity Reservations
<code>describe_classic_link_instances</code>	Describes one or more of your linked EC2-Classical instances
<code>describe_client_vpn_authorization_rules</code>	Describes the authorization rules for a specified Client VPN endpoint
<code>describe_client_vpn_connections</code>	Describes active client connections and connections that have been terminated
<code>describe_client_vpn_endpoints</code>	Describes one or more Client VPN endpoints in the account
<code>describe_client_vpn_routes</code>	Describes the routes for the specified Client VPN endpoint

describe_client_vpn_target_networks	Describes the target networks associated with the specified Client VPN connection
describe_conversion_tasks	Describes the specified conversion tasks or all your conversion tasks
describe_customer_gateways	Describes one or more of your VPN customer gateways
describe_dhcp_options	Describes one or more of your DHCP options sets
describe_egress_only_internet_gateways	Describes one or more of your egress-only internet gateways
describe_elastic_gpus	Describes the Elastic Graphics accelerator associated with your instance
describe_export_tasks	Describes the specified export tasks or all your export tasks
describe_fleet_history	Describes the events for the specified EC2 Fleet during the specified time period
describe_fleet_instances	Describes the running instances for the specified EC2 Fleet
describe_fleets	Describes the specified EC2 Fleets or all your EC2 Fleets
describe_flow_logs	Describes one or more flow logs
describe_fpga_image_attribute	Describes the specified attribute of the specified Amazon FPGA Image (AFI)
describe_fpga_images	Describes the Amazon FPGA Images (AFIs) available to you
describe_host_reservation_offerings	Describes the Dedicated Host reservations that are available to purchase
describe_host_reservations	Describes reservations that are associated with Dedicated Hosts in your account
describe_hosts	Describes the specified Dedicated Hosts or all your Dedicated Hosts
describe_iam_instance_profile_associations	Describes your IAM instance profile associations
describe_id_format	Describes the ID format settings for your resources on a per-Region basis
describe_identity_id_format	Describes the ID format settings for resources for the specified IAM user
describe_image_attribute	Describes the specified attribute of the specified AMI
describe_images	Describes the specified images (AMIs, AKIs, and ARIs) available to you
describe_import_image_tasks	Displays details about an import virtual machine or import snapshot task
describe_import_snapshot_tasks	Describes your import snapshot tasks
describe_instance_attribute	Describes the specified attribute of the specified instance
describe_instance_credit_specifications	Describes the credit option for CPU usage of the specified T2 or T3 instance
describe_instance_status	Describes the status of the specified instances or all of your instances
describe_instances	Describes the specified instances or all of AWS account's instances
describe_internet_gateways	Describes one or more of your internet gateways
describe_key_pairs	Describes the specified key pairs or all of your key pairs
describe_launch_template_versions	Describes one or more versions of a specified launch template
describe_launch_templates	Describes one or more launch templates
describe_moving_addresses	Describes your Elastic IP addresses that are being moved to the EC2-Classic network
describe_nat_gateways	Describes one or more of your NAT gateways
describe_network_acls	Describes one or more of your network ACLs
describe_network_interface_attribute	Describes a network interface attribute
describe_network_interface_permissions	Describes the permissions for your network interfaces
describe_network_interfaces	Describes one or more of your network interfaces
describe_placement_groups	Describes the specified placement groups or all of your placement groups
describe_prefix_lists	Describes available AWS services in a prefix list format, which includes Amazon S3 buckets
describe_principal_id_format	Describes the ID format settings for the root user and all IAM roles and users
describe_public_ipv4_pools	Describes the specified IPv4 address pools
describe_regions	Describes the Regions that are currently available to you
describe_reserved_instances	Describes one or more of the Reserved Instances that you purchased
describe_reserved_instances_listings	Describes your account's Reserved Instance listings in the Reserved Instance Marketplace
describe_reserved_instances_modifications	Describes the modifications made to your Reserved Instances
describe_reserved_instances_offerings	Describes Reserved Instance offerings that are available for purchase
describe_route_tables	Describes one or more of your route tables
describe_scheduled_instance_availability	Finds available schedules that meet the specified criteria

<code>describe_scheduled_instances</code>	Describes the specified Scheduled Instances or all your Scheduled Instances
<code>describe_security_group_references</code>	[VPC only] Describes the VPCs on the other side of a VPC peering connection
<code>describe_security_groups</code>	Describes the specified security groups or all of your security groups
<code>describe_snapshot_attribute</code>	Describes the specified attribute of the specified snapshot
<code>describe_snapshots</code>	Describes the specified EBS snapshots available to you or all of the EBS snapshots
<code>describe_spot_datafeed_subscription</code>	Describes the data feed for Spot Instances
<code>describe_spot_fleet_instances</code>	Describes the running instances for the specified Spot Fleet
<code>describe_spot_fleet_request_history</code>	Describes the events for the specified Spot Fleet request during the specified time period
<code>describe_spot_fleet_requests</code>	Describes your Spot Fleet requests
<code>describe_spot_instance_requests</code>	Describes the specified Spot Instance requests
<code>describe_spot_price_history</code>	Describes the Spot price history
<code>describe_stale_security_groups</code>	[VPC only] Describes the stale security group rules for security groups
<code>describe_subnets</code>	Describes one or more of your subnets
<code>describe_tags</code>	Describes the specified tags for your EC2 resources
<code>describe_traffic_mirror_filters</code>	Describes one or more Traffic Mirror filters
<code>describe_traffic_mirror_sessions</code>	Describes one or more Traffic Mirror sessions
<code>describe_traffic_mirror_targets</code>	Information about one or more Traffic Mirror targets
<code>describe_transit_gateway_attachments</code>	Describes one or more attachments between resources and transit gateways
<code>describe_transit_gateway_route_tables</code>	Describes one or more transit gateway route tables
<code>describe_transit_gateway_vpc_attachments</code>	Describes one or more VPC attachments
<code>describe_transit_gateways</code>	Describes one or more transit gateways
<code>describe_volume_attribute</code>	Describes the specified attribute of the specified volume
<code>describe_volume_status</code>	Describes the status of the specified volumes
<code>describe_volumes</code>	Describes the specified EBS volumes or all of your EBS volumes
<code>describe_volumes_modifications</code>	Reports the current modification status of EBS volumes
<code>describe_vpc_attribute</code>	Describes the specified attribute of the specified VPC
<code>describe_vpc_classic_link</code>	Describes the ClassicLink status of one or more VPCs
<code>describe_vpc_classic_link_dns_support</code>	Describes the ClassicLink DNS support status of one or more VPCs
<code>describe_vpc_endpoint_connection_notifications</code>	Describes the connection notifications for VPC endpoints and VPC endpoint services
<code>describe_vpc_endpoint_connections</code>	Describes the VPC endpoint connections to your VPC endpoint services
<code>describe_vpc_endpoint_service_configurations</code>	Describes the VPC endpoint service configurations in your account (your VPCs)
<code>describe_vpc_endpoint_service_permissions</code>	Describes the principals (service consumers) that are permitted to discover VPC endpoint services
<code>describe_vpc_endpoint_services</code>	Describes available services to which you can create a VPC endpoint
<code>describe_vpc_endpoints</code>	Describes one or more of your VPC endpoints
<code>describe_vpc_peering_connections</code>	Describes one or more of your VPC peering connections
<code>describe_vpcs</code>	Describes one or more of your VPCs
<code>describe_vpn_connections</code>	Describes one or more of your VPN connections
<code>describe_vpn_gateways</code>	Describes one or more of your virtual private gateways
<code>detach_classic_link_vpc</code>	Unlinks (detaches) a linked EC2-Classic instance from a VPC
<code>detach_internet_gateway</code>	Detaches an internet gateway from a VPC, disabling connectivity between the VPC and the internet
<code>detach_network_interface</code>	Detaches a network interface from an instance
<code>detach_volume</code>	Detaches an EBS volume from an instance
<code>detach_vpn_gateway</code>	Detaches a virtual private gateway from a VPC
<code>disable_ebs_encryption_by_default</code>	Disables EBS encryption by default for your account in the current Region
<code>disable_transit_gateway_route_table_propagation</code>	Disables the specified resource attachment from propagating routes to the specified transit gateway route table
<code>disable_vgw_route_propagation</code>	Disables a virtual private gateway (VGW) from propagating routes to the specified transit gateway route table
<code>disable_vpc_classic_link</code>	Disables ClassicLink for a VPC
<code>disable_vpc_classic_link_dns_support</code>	Disables ClassicLink DNS support for a VPC

<code>disassociate_address</code>	Disassociates an Elastic IP address from the instance or network interface
<code>disassociate_client_vpn_target_network</code>	Disassociates a target network from the specified Client VPN endpoint
<code>disassociate_iam_instance_profile</code>	Disassociates an IAM instance profile from a running or stopped instance
<code>disassociate_route_table</code>	Disassociates a subnet from a route table
<code>disassociate_subnet_cidr_block</code>	Disassociates a CIDR block from a subnet
<code>disassociate_transit_gateway_route_table</code>	Disassociates a resource attachment from a transit gateway route table
<code>disassociate_vpc_cidr_block</code>	Disassociates a CIDR block from a VPC
<code>enable_ebs_encryption_by_default</code>	Enables EBS encryption by default for your account in the current Region
<code>enable_transit_gateway_route_table_propagation</code>	Enables the specified attachment to propagate routes to the specified route table
<code>enable_vgw_route_propagation</code>	Enables a virtual private gateway (VGW) to propagate routes to the specified route table
<code>enable_volume_io</code>	Enables I/O operations for a volume that had I/O operations disabled
<code>enable_vpc_classic_link</code>	Enables a VPC for ClassicLink
<code>enable_vpc_classic_link_dns_support</code>	Enables a VPC to support DNS hostname resolution for ClassicLink
<code>export_client_vpn_client_certificate_revocation_list</code>	Downloads the client certificate revocation list for the specified Client VPN endpoint
<code>export_client_vpn_client_configuration</code>	Downloads the contents of the Client VPN endpoint configuration file
<code>export_transit_gateway_routes</code>	Exports routes from the specified transit gateway route table to the specified route table
<code>get_console_output</code>	Gets the console output for the specified instance
<code>get_console_screenshot</code>	Retrieve a JPG-format screenshot of a running instance to help with troubleshooting
<code>get_ebs_default_kms_key_id</code>	Describes the default customer master key (CMK) for EBS encryption
<code>get_ebs_encryption_by_default</code>	Describes whether EBS encryption by default is enabled for your account
<code>get_host_reservation_purchase_preview</code>	Preview a reservation purchase with configurations that match those of the specified reservation
<code>get_launch_template_data</code>	Retrieves the configuration data of the specified instance
<code>get_password_data</code>	Retrieves the encrypted administrator password for a running Windows instance
<code>get_reserved_instances_exchange_quote</code>	Returns a quote and exchange information for exchanging one or more reserved instances
<code>get_transit_gateway_attachment_propagations</code>	Lists the route tables to which the specified resource attachment propagates routes
<code>get_transit_gateway_route_table_associations</code>	Gets information about the associations for the specified transit gateway route table
<code>get_transit_gateway_route_table_propagations</code>	Gets information about the route table propagations for the specified transit gateway route table
<code>import_client_vpn_client_certificate_revocation_list</code>	Uploads a client certificate revocation list to the specified Client VPN endpoint
<code>import_image</code>	Import single or multi-volume disk images or EBS snapshots into an Amazon Region
<code>import_instance</code>	Creates an import instance task using metadata from the specified disk image
<code>import_key_pair</code>	Imports the public key from an RSA key pair that you created with a software tool
<code>import_snapshot</code>	Imports a disk into an EBS snapshot
<code>import_volume</code>	Creates an import volume task using metadata from the specified disk image
<code>modify_capacity_reservation</code>	Modifies a Capacity Reservation's capacity and the conditions under which it can be used
<code>modify_client_vpn_endpoint</code>	Modifies the specified Client VPN endpoint
<code>modify_ebs_default_kms_key_id</code>	Changes the default customer master key (CMK) for EBS encryption
<code>modify_fleet</code>	Modifies the specified EC2 Fleet
<code>modify_fpga_image_attribute</code>	Modifies the specified attribute of the specified Amazon FPGA Image
<code>modify_hosts</code>	Modify the auto-placement setting of a Dedicated Host
<code>modify_id_format</code>	Modifies the ID format for the specified resource on a per-Region basis
<code>modify_identity_id_format</code>	Modifies the ID format of a resource for a specified IAM user, IAM role, or IAM group
<code>modify_image_attribute</code>	Modifies the specified attribute of the specified AMI
<code>modify_instance_attribute</code>	Modifies the specified attribute of the specified instance
<code>modify_instance_capacity_reservation_attributes</code>	Modifies the Capacity Reservation settings for a stopped instance
<code>modify_instance_credit_specification</code>	Modifies the credit option for CPU usage on a running or stopped T2 instance
<code>modify_instance_event_start_time</code>	Modifies the start time for a scheduled Amazon EC2 instance event
<code>modify_instance_placement</code>	Modifies the placement attributes for a specified instance
<code>modify_launch_template</code>	Modifies a launch template

<code>modify_network_interface_attribute</code>	Modifies the specified network interface attribute
<code>modify_reserved_instances</code>	Modifies the Availability Zone, instance count, instance type, or network
<code>modify_snapshot_attribute</code>	Adds or removes permission settings for the specified snapshot
<code>modify_spot_fleet_request</code>	Modifies the specified Spot Fleet request
<code>modify_subnet_attribute</code>	Modifies a subnet attribute
<code>modify_traffic_mirror_filter_network_services</code>	Allows or restricts mirroring network services
<code>modify_traffic_mirror_filter_rule</code>	Modifies the specified Traffic Mirror rule
<code>modify_traffic_mirror_session</code>	Modifies a Traffic Mirror session
<code>modify_transit_gateway_vpc_attachment</code>	Modifies the specified VPC attachment
<code>modify_volume</code>	You can modify several parameters of an existing EBS volume, including
<code>modify_volume_attribute</code>	Modifies a volume attribute
<code>modify_vpc_attribute</code>	Modifies the specified attribute of the specified VPC
<code>modify_vpc_endpoint</code>	Modifies attributes of a specified VPC endpoint
<code>modify_vpc_endpoint_connection_notification</code>	Modifies a connection notification for VPC endpoint or VPC endpoint
<code>modify_vpc_endpoint_service_configuration</code>	Modifies the attributes of your VPC endpoint service configuration
<code>modify_vpc_endpoint_service_permissions</code>	Modifies the permissions for your VPC endpoint service
<code>modify_vpc_peering_connection_options</code>	Modifies the VPC peering connection options on one side of a VPC peering
<code>modify_vpc_tenancy</code>	Modifies the instance tenancy attribute of the specified VPC
<code>modify_vpn_connection</code>	Modifies the target gateway of a AWS Site-to-Site VPN connection
<code>monitor_instances</code>	Enables detailed monitoring for a running instance
<code>move_address_to_vpc</code>	Moves an Elastic IP address from the EC2-Classic platform to the EC2-VPC
<code>provision_byoip_cidr</code>	Provisions an address range for use with your AWS resources through your
<code>purchase_host_reservation</code>	Purchase a reservation with configurations that match those of your Dedicated
<code>purchase_reserved_instances_offering</code>	Purchases a Reserved Instance for use with your account
<code>purchase_scheduled_instances</code>	Purchases the Scheduled Instances with the specified schedule
<code>reboot_instances</code>	Requests a reboot of the specified instances
<code>register_image</code>	Registers an AMI
<code>reject_transit_gateway_vpc_attachment</code>	Rejects a request to attach a VPC to a transit gateway
<code>reject_vpc_endpoint_connections</code>	Rejects one or more VPC endpoint connection requests to your VPC
<code>reject_vpc_peering_connection</code>	Rejects a VPC peering connection request
<code>release_address</code>	Releases the specified Elastic IP address
<code>release_hosts</code>	When you no longer want to use an On-Demand Dedicated Host it can be
<code>replace_iam_instance_profile_association</code>	Replaces an IAM instance profile for the specified running instance
<code>replace_network_acl_association</code>	Changes which network ACL a subnet is associated with
<code>replace_network_acl_entry</code>	Replaces an entry (rule) in a network ACL
<code>replace_route</code>	Replaces an existing route within a route table in a VPC
<code>replace_route_table_association</code>	Changes the route table associated with a given subnet in a VPC
<code>replace_transit_gateway_route</code>	Replaces the specified route in the specified transit gateway route table
<code>report_instance_status</code>	Submits feedback about the status of an instance
<code>request_spot_fleet</code>	Creates a Spot Fleet request
<code>request_spot_instances</code>	Creates a Spot Instance request
<code>reset_ebs_default_kms_key_id</code>	Resets the default customer master key (CMK) for EBS encryption for
<code>reset_fpga_image_attribute</code>	Resets the specified attribute of the specified Amazon FPGA Image (AFI)
<code>reset_image_attribute</code>	Resets an attribute of an AMI to its default value
<code>reset_instance_attribute</code>	Resets an attribute of an instance to its default value
<code>reset_network_interface_attribute</code>	Resets a network interface attribute
<code>reset_snapshot_attribute</code>	Resets permission settings for the specified snapshot
<code>restore_address_to_classic</code>	Restores an Elastic IP address that was previously moved to the EC2-Classic

revoke_client_vpn_ingress	Removes an ingress authorization rule from a Client VPN endpoint
revoke_security_group_egress	[VPC only] Removes the specified egress rules from a security group
revoke_security_group_ingress	Removes the specified ingress rules from a security group
run_instances	Launches the specified number of instances using an AMI for which
run_scheduled_instances	Launches the specified Scheduled Instances
search_transit_gateway_routes	Searches for routes in the specified transit gateway route table
start_instances	Starts an Amazon EBS-backed instance that you've previously stopped
stop_instances	Stops an Amazon EBS-backed instance
terminate_client_vpn_connections	Terminates active Client VPN endpoint connections
terminate_instances	Shuts down the specified instances
unassign_ipv6_addresses	Unassigns one or more IPv6 addresses from a network interface
unassign_private_ip_addresses	Unassigns one or more secondary private IP addresses from a network
unmonitor_instances	Disables detailed monitoring for a running instance
update_security_group_rule_descriptions_egress	[VPC only] Updates the description of an egress (outbound) security
update_security_group_rule_descriptions_ingress	Updates the description of an ingress (inbound) security group rule
withdraw_byoip_cidr	Stops advertising an IPv4 address range that is provisioned as an add

Examples

```
# This example allocates an Elastic IP address to use with an instance in
# a VPC.
svc <- ec2()
svc$allocate_address(
  Domain = "vpc"
)
```

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

```
ec2instanceconnect()
```

Operations

[send_ssh_public_key](#) Pushes an SSH public key to a particular OS user on a given EC2 instance for 60 seconds

Examples

```
# 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 <- ec2instanceconnect()
svc$send_ssh_public_key(
  AvailabilityZone = "us-west-2a",
  InstanceId = "i-abcd1234",
  InstanceOSUser = "ec2-user",
  SSHPublicKey = "ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQ3F1Hqj2eqCdrGHuA6dRjfZXQ4HX51XEIRHa..."
)
```

 ecr

Amazon EC2 Container Registry

Description

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

```
ecr()
```

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	Notifies Amazon ECR that the image layer upload has completed for a specified registry, repository, and image
create_repository	Creates an image repository
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 time
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	Notifies Amazon ECR that you intend to upload an image layer
list_images	Lists all the image IDs for a given repository
list_tags_for_resource	List the tags for an Amazon ECR resource

put_image	Creates or updates the image manifest and tags associated with an image
put_lifecycle_policy	Creates or updates a lifecycle policy
set_repository_policy	Applies a repository policy on a specified repository to control access permissions
start_lifecycle_policy_preview	Starts a preview of the specified lifecycle policy
tag_resource	Adds specified tags to a resource with the specified ARN
untag_resource	Deletes specified tags from a resource
upload_layer_part	Uploads an image layer part to Amazon ECR

Examples

```
# This example deletes images with the tags precise and trusty in a
# repository called ubuntu in the default registry for an account.
svc <- ecs()
svc$batch_delete_image(
  imageIds = list(
    list(
      imageTag = "precise"
    )
  ),
  repositoryName = "ubuntu"
)
```

 ecs

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()
```

Operations

<code>create_cluster</code>	Creates a new Amazon ECS cluster
<code>create_service</code>	Runs and maintains a desired number of tasks from a specified task definition
<code>create_task_set</code>	Create a task set in the specified cluster and service
<code>delete_account_setting</code>	Disables an account setting for a specified IAM user, IAM role, or the root user for an account
<code>delete_attributes</code>	Deletes one or more custom attributes from an Amazon ECS resource
<code>delete_cluster</code>	Deletes the specified cluster
<code>delete_service</code>	Deletes a specified service within a cluster
<code>delete_task_set</code>	Deletes a specified task set within a service
<code>deregister_container_instance</code>	Deregisters an Amazon ECS container instance from the specified cluster
<code>deregister_task_definition</code>	Deregisters the specified task definition by family and revision
<code>describe_clusters</code>	Describes one or more of your clusters
<code>describe_container_instances</code>	Describes Amazon Elastic Container Service container instances
<code>describe_services</code>	Describes the specified services running in your cluster
<code>describe_task_definition</code>	Describes a task definition
<code>describe_task_sets</code>	Describes the task sets in the specified cluster and service
<code>describe_tasks</code>	Describes a specified task or tasks
<code>discover_poll_endpoint</code>	This action is only used by the Amazon ECS agent, and it is not intended for use outside of the agent
<code>list_account_settings</code>	Lists the account settings for a specified principal
<code>list_attributes</code>	Lists the attributes for Amazon ECS resources within a specified target type and cluster
<code>list_clusters</code>	Returns a list of existing clusters
<code>list_container_instances</code>	Returns a list of container instances in a specified cluster
<code>list_services</code>	Lists the services that are running in a specified cluster
<code>list_tags_for_resource</code>	List the tags for an Amazon ECS resource
<code>list_task_definition_families</code>	Returns a list of task definition families that are registered to your account (which may include unregistered families)
<code>list_task_definitions</code>	Returns a list of task definitions that are registered to your account
<code>list_tasks</code>	Returns a list of tasks for a specified cluster
<code>put_account_setting</code>	Modifies an account setting
<code>put_account_setting_default</code>	Modifies an account setting for all IAM users on an account for whom no individual account settings are specified
<code>put_attributes</code>	Create or update an attribute on an Amazon ECS resource
<code>register_container_instance</code>	This action is only used by the Amazon ECS agent, and it is not intended for use outside of the agent
<code>register_task_definition</code>	Registers a new task definition from the supplied family and containerDefinitions
<code>run_task</code>	Starts a new task using the specified task definition
<code>start_task</code>	Starts a new task from the specified task definition on the specified container instance or on a new container instance
<code>stop_task</code>	Stops a running task
<code>submit_attachment_state_changes</code>	This action is only used by the Amazon ECS agent, and it is not intended for use outside of the agent
<code>submit_container_state_change</code>	This action is only used by the Amazon ECS agent, and it is not intended for use outside of the agent
<code>submit_task_state_change</code>	This action is only used by the Amazon ECS agent, and it is not intended for use outside of the agent
<code>tag_resource</code>	Associates the specified tags to a resource with the specified resourceArn
<code>untag_resource</code>	Deletes specified tags from a resource
<code>update_container_agent</code>	Updates the Amazon ECS container agent on a specified container instance
<code>update_container_instances_state</code>	Modifies the status of an Amazon ECS container instance
<code>update_service</code>	Modifies the parameters of a service
<code>update_service_primary_task_set</code>	Modifies which task set in a service is the primary task set
<code>update_task_set</code>	Modifies a task set

Examples

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

 eks

Amazon Elastic Kubernetes Service

Description

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

Operations

create_cluster	Creates an Amazon EKS control plane
delete_cluster	Deletes the Amazon EKS cluster control plane
describe_cluster	Returns descriptive information about an Amazon EKS cluster
describe_update	Returns descriptive information about an update against your Amazon EKS cluster
list_clusters	Lists the Amazon EKS clusters in your AWS account in the specified Region
list_updates	Lists the updates associated with an Amazon EKS cluster in your AWS account, in the specified Region
update_cluster_config	Updates an Amazon EKS cluster configuration
update_cluster_version	Updates an Amazon EKS cluster to the specified Kubernetes version

Examples

```
# The following example creates an Amazon EKS cluster called prod.
svc <- eks()
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-J70N..."
)

```

 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()
```

Operations

abort_environment_update	Cancels in-progress environment configuration update or application version update
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
create_application	Creates an application that has one configuration template named default
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 a new version of your custom platform
create_storage_location	Creates a bucket in Amazon S3 to store application versions, logs, and other data

lambda

AWS Lambda

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

```
lambda()
```

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	Deletes a Lambda function
delete_function_concurrency	Removes a concurrent execution limit from a function
delete_layer_version	Deletes a version of an AWS Lambda layer
get_account_settings	Retrieves details about your account's limits and usage in an AWS Region
get_alias	Returns details about a Lambda function alias
get_event_source_mapping	Returns details about an event source mapping
get_function	Returns information about the function or function version, with a link to download the code
get_function_configuration	Returns the version-specific settings of a Lambda function or version
get_layer_version	Returns information about a version of an AWS Lambda layer, with a link to download the code
get_layer_version_by_arn	Returns information about a version of an AWS Lambda layer, with a link to download the code
get_layer_version_policy	Returns the permission policy for a version of an AWS Lambda layer
get_policy	Returns the resource-based IAM policy for a function, version, or alias
invoke	Invokes a Lambda function
invoke_async	For asynchronous function invocation, use <code>Invoke</code>
list_aliases	Returns a list of aliases for a Lambda function
list_event_source_mappings	Lists event source mappings
list_functions	Returns a list of Lambda functions, with the version-specific configuration of each
list_layer_versions	Lists the versions of an AWS Lambda layer
list_layers	Lists AWS Lambda layers and shows information about the latest version of each
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

<code>put_function_concurrency</code>	Sets the maximum number of simultaneous executions for a function, and reserves capacity
<code>remove_layer_version_permission</code>	Removes a statement from the permissions policy for a version of an AWS Lambda layer
<code>remove_permission</code>	Revokes function-use permission from an AWS service or another account
<code>tag_resource</code>	Adds tags to a function
<code>untag_resource</code>	Removes tags from a function
<code>update_alias</code>	Updates the configuration of a Lambda function alias
<code>update_event_source_mapping</code>	Updates an event source mapping
<code>update_function_code</code>	Updates a Lambda function's code
<code>update_function_configuration</code>	Modify the version-specific settings of a Lambda function

Examples

```
# This example adds a permission for an S3 bucket to invoke a Lambda
# function.
svc <- lambda()
svc$add_permission(
  Action = "lambda:InvokeFunction",
  FunctionName = "MyFunction",
  Principal = "s3.amazonaws.com",
  SourceAccount = "123456789012",
  SourceArn = "arn:aws:s3:::examplebucket/*",
  StatementId = "ID-1"
)
```

lightsail

Amazon Lightsail

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

```
lightsail()
```

Operations

<code>allocate_static_ip</code>	Allocates a static IP address
<code>attach_disk</code>	Attaches a block storage disk to a running or stopped Lightsail instance and
<code>attach_instances_to_load_balancer</code>	Attaches one or more Lightsail instances to a load balancer
<code>attach_load_balancer_tls_certificate</code>	Attaches a Transport Layer Security (TLS) certificate to your load balancer
<code>attach_static_ip</code>	Attaches a static IP address to a specific Amazon Lightsail instance
<code>close_instance_public_ports</code>	Closes the public ports on a specific Amazon Lightsail instance
<code>copy_snapshot</code>	Copies an instance or disk snapshot from one AWS Region to another in An
<code>create_cloud_formation_stack</code>	Creates an AWS CloudFormation stack, which creates a new Amazon EC2
<code>create_disk</code>	Creates a block storage disk that can be attached to a Lightsail instance in th
<code>create_disk_from_snapshot</code>	Creates a block storage disk from a disk snapshot that can be attached to a L
<code>create_disk_snapshot</code>	Creates a snapshot of a block storage disk
<code>create_domain</code>	Creates a domain resource for the specified domain (e
<code>create_domain_entry</code>	Creates one of the following entry records associated with the domain: Add
<code>create_instance_snapshot</code>	Creates a snapshot of a specific virtual private server, or <i>instance</i>
<code>create_instances</code>	Creates one or more Amazon Lightsail virtual private servers, or <i>instances</i>
<code>create_instances_from_snapshot</code>	Uses a specific snapshot as a blueprint for creating one or more new instanc
<code>create_key_pair</code>	Creates an SSH key pair
<code>create_load_balancer</code>	Creates a Lightsail load balancer
<code>create_load_balancer_tls_certificate</code>	Creates a Lightsail load balancer TLS certificate
<code>create_relational_database</code>	Creates a new database in Amazon Lightsail
<code>create_relational_database_from_snapshot</code>	Creates a new database from an existing database snapshot in Amazon Ligh
<code>create_relational_database_snapshot</code>	Creates a snapshot of your database in Amazon Lightsail
<code>delete_disk</code>	Deletes the specified block storage disk
<code>delete_disk_snapshot</code>	Deletes the specified disk snapshot
<code>delete_domain</code>	Deletes the specified domain recordset and all of its domain records
<code>delete_domain_entry</code>	Deletes a specific domain entry
<code>delete_instance</code>	Deletes a specific Amazon Lightsail virtual private server, or <i>instance</i>
<code>delete_instance_snapshot</code>	Deletes a specific snapshot of a virtual private server (or <i>instance</i>)
<code>delete_key_pair</code>	Deletes a specific SSH key pair
<code>delete_known_host_keys</code>	Deletes the known host key or certificate used by the Amazon Lightsail bro
<code>delete_load_balancer</code>	Deletes a Lightsail load balancer and all its associated SSL/TLS certificates
<code>delete_load_balancer_tls_certificate</code>	Deletes an SSL/TLS certificate associated with a Lightsail load balancer
<code>delete_relational_database</code>	Deletes a database in Amazon Lightsail
<code>delete_relational_database_snapshot</code>	Deletes a database snapshot in Amazon Lightsail
<code>detach_disk</code>	Detaches a stopped block storage disk from a Lightsail instance
<code>detach_instances_from_load_balancer</code>	Detaches the specified instances from a Lightsail load balancer
<code>detach_static_ip</code>	Detaches a static IP from the Amazon Lightsail instance to which it is attac
<code>download_default_key_pair</code>	Downloads the default SSH key pair from the user's account
<code>export_snapshot</code>	Exports an Amazon Lightsail instance or block storage disk snapshot to Am
<code>get_active_names</code>	Returns the names of all active (not deleted) resources
<code>get_blueprints</code>	Returns the list of available instance images, or <i>blueprints</i>
<code>get_bundles</code>	Returns the list of bundles that are available for purchase
<code>get_cloud_formation_stack_records</code>	Returns the CloudFormation stack record created as a result of the create cl
<code>get_disk</code>	Returns information about a specific block storage disk
<code>get_disk_snapshot</code>	Returns information about a specific block storage disk snapshot
<code>get_disk_snapshots</code>	Returns information about all block storage disk snapshots in your AWS acc
<code>get_disks</code>	Returns information about all block storage disks in your AWS account and
<code>get_domain</code>	Returns information about a specific domain recordset

<code>get_domains</code>	Returns a list of all domains in the user's account
<code>get_export_snapshot_records</code>	Returns the export snapshot record created as a result of the export snapshot
<code>get_instance</code>	Returns information about a specific Amazon Lightsail instance, which is a
<code>get_instance_access_details</code>	Returns temporary SSH keys you can use to connect to a specific virtual private
<code>get_instance_metric_data</code>	Returns the data points for the specified Amazon Lightsail instance metric, s
<code>get_instance_port_states</code>	Returns the port states for a specific virtual private server, or <i>instance</i>
<code>get_instance_snapshot</code>	Returns information about a specific instance snapshot
<code>get_instance_snapshots</code>	Returns all instance snapshots for the user's account
<code>get_instance_state</code>	Returns the state of a specific instance
<code>get_instances</code>	Returns information about all Amazon Lightsail virtual private servers, or <i>in</i>
<code>get_key_pair</code>	Returns information about a specific key pair
<code>get_key_pairs</code>	Returns information about all key pairs in the user's account
<code>get_load_balancer</code>	Returns information about the specified Lightsail load balancer
<code>get_load_balancer_metric_data</code>	Returns information about health metrics for your Lightsail load balancer
<code>get_load_balancer_tls_certificates</code>	Returns information about the TLS certificates that are associated with the s
<code>get_load_balancers</code>	Returns information about all load balancers in an account
<code>get_operation</code>	Returns information about a specific operation
<code>get_operations</code>	Returns information about all operations
<code>get_operations_for_resource</code>	Gets operations for a specific resource (e
<code>get_regions</code>	Returns a list of all valid regions for Amazon Lightsail
<code>get_relational_database</code>	Returns information about a specific database in Amazon Lightsail
<code>get_relational_database_blueprints</code>	Returns a list of available database blueprints in Amazon Lightsail
<code>get_relational_database_bundles</code>	Returns the list of bundles that are available in Amazon Lightsail
<code>get_relational_database_events</code>	Returns a list of events for a specific database in Amazon Lightsail
<code>get_relational_database_log_events</code>	Returns a list of log events for a database in Amazon Lightsail
<code>get_relational_database_log_streams</code>	Returns a list of available log streams for a specific database in Amazon Lig
<code>get_relational_database_master_user_password</code>	Returns the current, previous, or pending versions of the master user passwo
<code>get_relational_database_metric_data</code>	Returns the data points of the specified metric for a database in Amazon Lig
<code>get_relational_database_parameters</code>	Returns all of the runtime parameters offered by the underlying database sof
<code>get_relational_database_snapshot</code>	Returns information about a specific database snapshot in Amazon Lightsai
<code>get_relational_database_snapshots</code>	Returns information about all of your database snapshots in Amazon Lights
<code>get_relational_databases</code>	Returns information about all of your databases in Amazon Lightsail
<code>get_static_ip</code>	Returns information about a specific static IP
<code>get_static_ips</code>	Returns information about all static IPs in the user's account
<code>import_key_pair</code>	Imports a public SSH key from a specific key pair
<code>is_vpc_peered</code>	Returns a Boolean value indicating whether your Lightsail VPC is peered
<code>open_instance_public_ports</code>	Adds public ports to an Amazon Lightsail instance
<code>peer_vpc</code>	Tries to peer the Lightsail VPC with the user's default VPC
<code>put_instance_public_ports</code>	Sets the specified open ports for an Amazon Lightsail instance, and closes a
<code>reboot_instance</code>	Restarts a specific instance
<code>reboot_relational_database</code>	Restarts a specific database in Amazon Lightsail
<code>release_static_ip</code>	Deletes a specific static IP from your account
<code>start_instance</code>	Starts a specific Amazon Lightsail instance from a stopped state
<code>start_relational_database</code>	Starts a specific database from a stopped state in Amazon Lightsail
<code>stop_instance</code>	Stops a specific Amazon Lightsail instance that is currently running
<code>stop_relational_database</code>	Stops a specific database that is currently running in Amazon Lightsail
<code>tag_resource</code>	Adds one or more tags to the specified Amazon Lightsail resource
<code>unpeer_vpc</code>	Attempts to unpeer the Lightsail VPC from the user's default VPC

untag_resource	Deletes the specified set of tag keys and their values from the specified Amazon Lightsail resource.
update_domain_entry	Updates a domain recordset after it is created.
update_load_balancer_attribute	Updates the specified attribute for a load balancer.
update_relational_database	Allows the update of one or more attributes of a database in Amazon Lightsail.
update_relational_database_parameters	Allows the update of one or more parameters of a database in Amazon Lightsail.

Examples

```
svc <- lightsail()
svc$allocate_static_ip(
  Foo = 123
)
```

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()
```

Operations

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

Examples

```
svc <- serverlessapplicationrepository()
svc$create_application(
  Foo = 123
)
```

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