

Package ‘paws.compute’

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Title 'Amazon Web Services' Compute Services

Version 0.1.13

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

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

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

Imports paws.common (>= 0.3.0)

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Encoding UTF-8

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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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batch	<i>AWS Batch</i>
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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 `svc$operation(...)`, where `svc` is the name you've assigned to the client. The available operations are listed in the Operations section.

Service syntax

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

```
## 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

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

```

Operations

[accept_reserved_instances_exchange_quote](#)
[accept_transit_gateway_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_ipv6_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](#)

Accepts the Convertible Reserved Instance exchange quote
 Accepts a request to associate subnets with a transit gateway multicast domain
 Accepts a transit gateway peering attachment request
 Accepts a request to attach a VPC to a transit gateway
 Accepts one or more interface VPC endpoint connections
 Accept a VPC peering connection request
 Advertises an IPv4 or IPv6 address range that is not advertised by your VPC
 Allocates an Elastic IP address to your AWS account
 Allocates a Dedicated Host to your account
 Applies a security group to the association between a Client VPN target network and a VPC
 Assigns one or more IPv6 addresses to the specified subnets
 Assigns one or more secondary private IP addresses to the specified instance
 Associates an Elastic IP address, or carrier IP address, with a running instance
 Associates a target network with a Client VPN endpoint
 Associates a set of DHCP options (that you've previously created) with a VPC
 Associates an AWS Identity and Access Management role with an Amazon EC2 instance
 Associates an IAM instance profile with a running instance
 Associates a subnet in your VPC or an internet gateway with a transit gateway
 Associates a CIDR block with your subnet
 Associates the specified subnets and transit gateway with a multicast domain
 Associates the specified attachment with the specified transit gateway
 Associates a CIDR block with your VPC
 Links an EC2-Classic instance to a ClassicLink connection
 Attaches an internet gateway or a virtual private gateway to a VPC
 Attaches a network interface to an instance
 Attaches an EBS volume to a running or stopped instance
 Attaches a virtual private gateway to a VPC
 Adds an ingress authorization rule to a Client VPN endpoint
 [VPC only] Adds the specified egress rules to a security group
 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 instance
<code>cancel_capacity_reservation</code>	Cancels the specified Capacity Reservation, releasing the reserved 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 operation
<code>cancel_reserved_instances_listing</code>	Cancels the specified Reserved Instance listing information
<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 another Region
<code>copy_image</code>	Initiates the copy of an AMI from the specified source Region to the specified destination Region
<code>copy_snapshot</code>	Copies a point-in-time snapshot of an EBS volume to another Region
<code>create_capacity_reservation</code>	Creates a new Capacity Reservation with the specified parameters
<code>create_carrier_gateway</code>	Creates a carrier gateway
<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
<code>create_default_subnet</code>	Creates a default subnet with a size /20 IPv4 CIDR block
<code>create_default_vpc</code>	Creates a default VPC with a size /16 IPv4 CIDR block
<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
<code>create_fleet</code>	Launches an EC2 Fleet
<code>create_flow_logs</code>	Creates one or more flow logs to capture information about network traffic
<code>create_fpga_image</code>	Creates an Amazon FPGA Image (AFI) from the specified Amazon Machine Image (AMI)
<code>create_image</code>	Creates an Amazon EBS-backed AMI from an Amazon EC2 instance
<code>create_instance_export_task</code>	Exports a running or stopped instance to an Amazon 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_local_gateway_route</code>	Creates a static route for the specified local gateway
<code>create_local_gateway_route_table_vpc_association</code>	Associates the specified VPC with the specified local gateway route table
<code>create_managed_prefix_list</code>	Creates a managed prefix list
<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 parameters
<code>create_network_insights_path</code>	Creates a path to analyze for reachability
<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 create network interfaces
<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
<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
<code>create_spot_datafeed_subscription</code>	Creates a data feed for Spot Instances, enabling you to track Spot Instance activity

<code>create_subnet</code>	Creates a subnet in a specified VPC
<code>create_tags</code>	Adds or overwrites only the specified tags for the resource
<code>create_traffic_mirror_filter</code>	Creates a Traffic Mirror filter
<code>create_traffic_mirror_filter_rule</code>	Creates a Traffic Mirror filter 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_connect</code>	Creates a Connect attachment from a specified transit gateway
<code>create_transit_gateway_connect_peer</code>	Creates a Connect peer for a specified transit gateway
<code>create_transit_gateway_multicast_domain</code>	Creates a multicast domain using the specified transit gateway
<code>create_transit_gateway_peering_attachment</code>	Requests a transit gateway peering attachment between two transit gateways
<code>create_transit_gateway_prefix_list_reference</code>	Creates a reference (route) to a prefix list in a specified transit gateway
<code>create_transit_gateway_route</code>	Creates a static route for the specified transit gateway
<code>create_transit_gateway_route_table</code>	Creates a route table for the specified transit gateway
<code>create_transit_gateway_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 Amazon EC2 instance
<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
<code>create_vpc_endpoint_service_configuration</code>	Creates a VPC endpoint service configuration to use with a VPC endpoint
<code>create_vpc_peering_connection</code>	Requests a VPC peering connection between two VPCs
<code>create_vpn_connection</code>	Creates a VPN connection between an existing VPC and a customer gateway
<code>create_vpn_connection_route</code>	Creates a static route associated with a VPN connection
<code>create_vpn_gateway</code>	Creates a virtual private gateway
<code>delete_carrier_gateway</code>	Deletes a carrier 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
<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_local_gateway_route</code>	Deletes the specified route from the specified local gateway
<code>delete_local_gateway_route_table_vpc_association</code>	Deletes the specified association between a VPC and a local gateway route table
<code>delete_managed_prefix_list</code>	Deletes the specified managed prefix list
<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 a network ACL
<code>delete_network_insights_analysis</code>	Deletes the specified network insights analysis
<code>delete_network_insights_path</code>	Deletes the specified path
<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_queued_reserved_instances</code>	Deletes the queued purchases for the specified Reserved Instance
<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 resource
<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_connect</code>	Deletes the specified Connect attachment
<code>delete_transit_gateway_connect_peer</code>	Deletes the specified Connect peer
<code>delete_transit_gateway_multicast_domain</code>	Deletes the specified transit gateway multicast domain
<code>delete_transit_gateway_peering_attachment</code>	Deletes a transit gateway peering attachment
<code>delete_transit_gateway_prefix_list_reference</code>	Deletes a reference (route) to a prefix list in a specified transit gateway
<code>delete_transit_gateway_route</code>	Deletes the specified route from the specified transit gateway
<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_endpoints</code>	Deletes one or more specified VPC endpoints
<code>delete_vpc_endpoint_service_configurations</code>	Deletes one or more VPC endpoint service configurations
<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 the specified 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 your Amazon EC2 instance
<code>deregister_image</code>	Deregisters the specified AMI
<code>deregister_instance_event_notification_attributes</code>	Deregisters tag keys to prevent tags that have the specified tag keys from being applied to the specified instance
<code>deregister_transit_gateway_multicast_group_members</code>	Deregisters the specified members (network interfaces) from the specified multicast group
<code>deregister_transit_gateway_multicast_group_sources</code>	Deregisters the specified sources (network interfaces) from the specified multicast group
<code>describe_account_attributes</code>	Describes attributes of your AWS account
<code>describe_addresses</code>	Describes the specified Elastic IP addresses or all Elastic IP addresses in your account
<code>describe_aggregate_id_format</code>	Describes the longer ID format settings for all resources in your account
<code>describe_availability_zones</code>	Describes the Availability Zones, Local Zones, and Outposts in your account
<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 for your Amazon EC2 instance
<code>describe_capacity_reservations</code>	Describes one or more of your Capacity Reservations
<code>describe_carrier_gateways</code>	Describes one or more of your carrier gateways
<code>describe_classic_link_instances</code>	Describes one or more of your linked EC2-Classical Link 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 connection statistics for a specified Client VPN endpoint
<code>describe_client_vpn_endpoints</code>	Describes one or more Client VPN endpoints in your 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_coip_pools	Describes the specified customer-owned address pools
describe_conversion_tasks	Describes the specified conversion tasks or all your conversion tasks
describe_customer_gateways	Describes one or more of your VPN customer gateway connections
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 the specified EC2 instance
describe_export_image_tasks	Describes the specified export image tasks or all your export image tasks
describe_export_tasks	Describes the specified export instance tasks or all your export instance tasks
describe_fast_snapshot_restores	Describes the state of fast snapshot restores for your specified EC2 instances
describe_fleet_history	Describes the events for the specified EC2 Fleet
describe_fleet_instances	Describes the running instances for the specified EC2 Fleet
describe_fleets	Describes the specified EC2 Fleets or all of your EC2 Fleets
describe_flow_logs	Describes one or more flow logs
describe_fpga_image_attribute	Describes the specified attribute of the specified Amazon FPGA Image (AFI)
describe_fpga_images	Describes the Amazon FPGA Images (AFIs) available in your account
describe_host_reservation_offerings	Describes the Dedicated Host reservations that are available in your account
describe_host_reservations	Describes reservations that are associated with Dedicated Hosts
describe_hosts	Describes the specified Dedicated Hosts or all your Dedicated Hosts
describe_iam_instance_profile_associations	Describes your IAM instance profile associations
describe_identity_id_format	Describes the ID format settings for resources for the specified IAM user
describe_id_format	Describes the ID format settings for your resources
describe_image_attribute	Describes the specified attribute of the specified Amazon Machine Image (AMI)
describe_images	Describes the specified images (AMIs, AKIs, and S3 images)
describe_import_image_tasks	Displays details about an import virtual machine image task
describe_import_snapshot_tasks	Describes your import snapshot tasks
describe_instance_attribute	Describes the specified attribute of the specified EC2 instance
describe_instance_credit_specifications	Describes the credit option for CPU usage of the specified EC2 instance
describe_instance_event_notification_attributes	Describes the tag keys that are registered to appear on the specified EC2 instance
describe_instances	Describes the specified instances or all instances in your account
describe_instance_status	Describes the status of the specified instances or all instances in your account
describe_instance_type_offerings	Returns a list of all instance types offered in your account
describe_instance_types	Describes the details of the instance types that are available in your account
describe_internet_gateways	Describes one or more of your internet gateways
describe_ipv6_pools	Describes your IPv6 address pools
describe_key_pairs	Describes the specified key pairs or all of your key pairs
describe_launch_templates	Describes one or more launch templates
describe_launch_template_versions	Describes one or more versions of a specified launch template
describe_local_gateway_route_tables	Describes one or more local gateway route tables
describe_local_gateway_route_table_virtual_interface_group_associations	Describes the associations between virtual interfaces and local gateway route tables
describe_local_gateway_route_table_vpc_associations	Describes the specified associations between VPCs and local gateway route tables
describe_local_gateways	Describes one or more local gateways
describe_local_gateway_virtual_interface_groups	Describes the specified local gateway virtual interface groups
describe_local_gateway_virtual_interfaces	Describes the specified local gateway virtual interfaces
describe_managed_prefix_lists	Describes your managed prefix lists and any Amazon Web Services Managed Prefix Lists
describe_moving_addresses	Describes your Elastic IP addresses that are being moved to new EC2 instances
describe_nat_gateways	Describes one or more of your NAT gateways
describe_network_acls	Describes one or more of your network ACLs

<code>describe_network_insights_analyses</code>	Describes one or more of your network insights analyses
<code>describe_network_insights_paths</code>	Describes one or more of your paths
<code>describe_network_interface_attribute</code>	Describes a network interface attribute
<code>describe_network_interface_permissions</code>	Describes the permissions for your network interface
<code>describe_network_interfaces</code>	Describes one or more of your network interfaces
<code>describe_placement_groups</code>	Describes the specified placement groups or all of your placement groups
<code>describe_prefix_lists</code>	Describes available AWS services in a prefix list
<code>describe_principal_id_format</code>	Describes the ID format settings for the root user
<code>describe_public_ipv4_pools</code>	Describes the specified IPv4 address pools
<code>describe_regions</code>	Describes the Regions that are enabled for your account
<code>describe_reserved_instances</code>	Describes one or more of the Reserved Instances
<code>describe_reserved_instances_listings</code>	Describes your account's Reserved Instance listings
<code>describe_reserved_instances_modifications</code>	Describes the modifications made to your Reserved Instances
<code>describe_reserved_instances_offerings</code>	Describes Reserved Instance offerings that are available
<code>describe_route_tables</code>	Describes one or more of your route tables
<code>describe_scheduled_instance_availability</code>	Finds available schedules that meet the specified criteria
<code>describe_scheduled_instances</code>	Describes the specified Scheduled Instances or all of your Scheduled Instances
<code>describe_security_group_references</code>	[VPC only] Describes the VPCs on the other side of a security group
<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 EBS snapshots
<code>describe_snapshots</code>	Describes the specified EBS snapshots available to you
<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
<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
<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
<code>describe_transit_gateway_connect_peers</code>	Describes one or more Connect peers
<code>describe_transit_gateway_connects</code>	Describes one or more Connect attachments
<code>describe_transit_gateway_multicast_domains</code>	Describes one or more transit gateway multicast domains
<code>describe_transit_gateway_peering_attachments</code>	Describes your transit gateway peering attachments
<code>describe_transit_gateway_route_tables</code>	Describes one or more transit gateway route tables
<code>describe_transit_gateways</code>	Describes one or more transit gateways
<code>describe_transit_gateway_vpc_attachments</code>	Describes one or more VPC attachments
<code>describe_volume_attribute</code>	Describes the specified attribute of the specified EBS volumes
<code>describe_volumes</code>	Describes the specified EBS volumes or all of your EBS volumes
<code>describe_volumes_modifications</code>	Describes the most recent volume modification records
<code>describe_volume_status</code>	Describes the status of the specified 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
<code>describe_vpc_endpoint_connections</code>	Describes the VPC endpoint connections to your VPC
<code>describe_vpc_endpoints</code>	Describes one or more of your VPC endpoints
<code>describe_vpc_endpoint_service_configurations</code>	Describes the VPC endpoint service configurations
<code>describe_vpc_endpoint_service_permissions</code>	Describes the principals (service consumers) that are authorized to use the service
<code>describe_vpc_endpoint_services</code>	Describes available services to which you can create 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 it
<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
<code>disable_fast_snapshot_restores</code>	Disables fast snapshot restores for the specified snapshot
<code>disable_transit_gateway_route_table_propagation</code>	Disables the specified resource attachment from the specified route table
<code>disable_vgw_route_propagation</code>	Disables a virtual private gateway (VGW) from propagating routes
<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
<code>disassociate_client_vpn_target_network</code>	Disassociates a target network from the specified Client VPN endpoint
<code>disassociate_enclave_certificate_iam_role</code>	Disassociates an IAM role from an AWS Certificate Manager certificate
<code>disassociate_iam_instance_profile</code>	Disassociates an IAM instance profile from a running instance
<code>disassociate_route_table</code>	Disassociates a subnet or gateway from a route table
<code>disassociate_subnet_cidr_block</code>	Disassociates a CIDR block from a subnet
<code>disassociate_transit_gateway_multicast_domain</code>	Disassociates the specified subnets from the transit gateway multicast domain
<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
<code>enable_fast_snapshot_restores</code>	Enables fast snapshot restores for the specified snapshot
<code>enable_transit_gateway_route_table_propagation</code>	Enables the specified attachment to propagate routes
<code>enable_vgw_route_propagation</code>	Enables a virtual private gateway (VGW) to propagate routes
<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
<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
<code>export_image</code>	Exports an Amazon Machine Image (AMI) to a VPC
<code>export_transit_gateway_routes</code>	Exports routes from the specified transit gateway
<code>get_associated_enclave_certificate_iam_roles</code>	Returns the IAM roles that are associated with the specified AWS Certificate Manager certificate
<code>get_associated_ipv6_pool_cidrs</code>	Gets information about the IPv6 CIDR block associated with the specified VPC
<code>get_capacity_reservation_usage</code>	Gets usage information about a Capacity Reservation
<code>get_coip_pool_usage</code>	Describes the allocations from the specified customer IP pool
<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
<code>get_default_credit_specification</code>	Describes the default credit option for CPU usage

<code>get_ebs_default_kms_key_id</code>	Describes the default customer master key (CMK)
<code>get_ebs_encryption_by_default</code>	Describes whether EBS encryption by default is
<code>get_groups_for_capacity_reservation</code>	Lists the resource groups to which a Capacity Re
<code>get_host_reservation_purchase_preview</code>	Preview a reservation purchase with configuration
<code>get_launch_template_data</code>	Retrieves the configuration data of the specified i
<code>get_managed_prefix_list_associations</code>	Gets information about the resources that are ass
<code>get_managed_prefix_list_entries</code>	Gets information about the entries for a specified
<code>get_password_data</code>	Retrieves the encrypted administrator password f
<code>get_reserved_instances_exchange_quote</code>	Returns a quote and exchange information for ex
<code>get_transit_gateway_attachment_propagations</code>	Lists the route tables to which the specified resou
<code>get_transit_gateway_multicast_domain_associations</code>	Gets information about the associations for the tr
<code>get_transit_gateway_prefix_list_references</code>	Gets information about the prefix list references
<code>get_transit_gateway_route_table_associations</code>	Gets information about the associations for the sp
<code>get_transit_gateway_route_table_propagations</code>	Gets information about the route table propagatio
<code>import_client_vpn_client_certificate_revocation_list</code>	Uploads a client certificate revocation list to the s
<code>import_image</code>	Import single or multi-volume disk images or EE
<code>import_instance</code>	Creates an import instance task using metadata fr
<code>import_key_pair</code>	Imports the public key from an RSA key pair tha
<code>import_snapshot</code>	Imports a disk into an EBS snapshot
<code>import_volume</code>	Creates an import volume task using metadata fr
<code>modify_availability_zone_group</code>	Changes the opt-in status of the Local Zone and
<code>modify_capacity_reservation</code>	Modifies a Capacity Reservation's capacity and t
<code>modify_client_vpn_endpoint</code>	Modifies the specified Client VPN endpoint
<code>modify_default_credit_specification</code>	Modifies the default credit option for CPU usage
<code>modify_ebs_default_kms_key_id</code>	Changes the default customer master key (CMK)
<code>modify_fleet</code>	Modifies the specified EC2 Fleet
<code>modify_fpga_image_attribute</code>	Modifies the specified attribute of the specified A
<code>modify_hosts</code>	Modify the auto-placement setting of a Dedicated
<code>modify_identity_id_format</code>	Modifies the ID format of a resource for a specifi
<code>modify_id_format</code>	Modifies the ID format for the specified resource
<code>modify_image_attribute</code>	Modifies the specified attribute of the specified A
<code>modify_instance_attribute</code>	Modifies the specified attribute of the specified i
<code>modify_instance_capacity_reservation_attributes</code>	Modifies the Capacity Reservation settings for a
<code>modify_instance_credit_specification</code>	Modifies the credit option for CPU usage on a ru
<code>modify_instance_event_start_time</code>	Modifies the start time for a scheduled Amazon I
<code>modify_instance_metadata_options</code>	Modify the instance metadata parameters on a ru
<code>modify_instance_placement</code>	Modifies the placement attributes for a specified
<code>modify_launch_template</code>	Modifies a launch template
<code>modify_managed_prefix_list</code>	Modifies the specified managed prefix list
<code>modify_network_interface_attribute</code>	Modifies the specified network interface attribute
<code>modify_reserved_instances</code>	Modifies the Availability Zone, instance count, in
<code>modify_snapshot_attribute</code>	Adds or removes permission settings for the spec
<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</code>	Modifies the specified transit gateway

modify_transit_gateway_prefix_list_reference	Modifies a reference (route) to a prefix list in a sp
modify_transit_gateway_vpc_attachment	Modifies the specified VPC attachment
modify_volume	You can modify several parameters of an existing
modify_volume_attribute	Modifies a volume attribute
modify_vpc_attribute	Modifies the specified attribute of the specified V
modify_vpc_endpoint	Modifies attributes of a specified VPC endpoint
modify_vpc_endpoint_connection_notification	Modifies a connection notification for VPC endp
modify_vpc_endpoint_service_configuration	Modifies the attributes of your VPC endpoint ser
modify_vpc_endpoint_service_permissions	Modifies the permissions for your VPC endpoint
modify_vpc_peering_connection_options	Modifies the VPC peering connection options on
modify_vpc_tenancy	Modifies the instance tenancy attribute of the spe
modify_vpn_connection	Modifies the customer gateway or the target gate
modify_vpn_connection_options	Modifies the connection options for your Site-to-
modify_vpn_tunnel_certificate	Modifies the VPN tunnel endpoint certificate
modify_vpn_tunnel_options	Modifies the options for a VPN tunnel in an AW
monitor_instances	Enables detailed monitoring for a running instanc
move_address_to_vpc	Moves an Elastic IP address from the EC2-Class
provision_byoip_cidr	Provisions an IPv4 or IPv6 address range for use
purchase_host_reservation	Purchase a reservation with configurations that m
purchase_reserved_instances_offering	Purchases a Reserved Instance for use with your
purchase_scheduled_instances	Purchases the Scheduled Instances with the speci
reboot_instances	Requests a reboot of the specified instances
register_image	Registers an AMI
register_instance_event_notification_attributes	Registers a set of tag keys to include in schedule
register_transit_gateway_multicast_group_members	Registers members (network interfaces) with the
register_transit_gateway_multicast_group_sources	Registers sources (network interfaces) with the s
reject_transit_gateway_multicast_domain_associations	Rejects a request to associate cross-account subn
reject_transit_gateway_peering_attachment	Rejects a transit gateway peering attachment requ
reject_transit_gateway_vpc_attachment	Rejects a request to attach a VPC to a transit gate
reject_vpc_endpoint_connections	Rejects one or more VPC endpoint connection re
reject_vpc_peering_connection	Rejects a VPC peering connection request
release_address	Releases the specified Elastic IP address
release_hosts	When you no longer want to use an On-Demand
replace_iam_instance_profile_association	Replaces an IAM instance profile for the specifie
replace_network_acl_association	Changes which network ACL a subnet is associat
replace_network_acl_entry	Replaces an entry (rule) in a network ACL
replace_route	Replaces an existing route within a route table in
replace_route_table_association	Changes the route table associated with a given s
replace_transit_gateway_route	Replaces the specified route in the specified trans
report_instance_status	Submits feedback about the status of an instance
request_spot_fleet	Creates a Spot Fleet request
request_spot_instances	Creates a Spot Instance request
reset_ebs_default_kms_key_id	Resets the default customer master key (CMK) fo
reset_fpga_image_attribute	Resets the specified attribute of the specified Am
reset_image_attribute	Resets an attribute of an AMI to its default value
reset_instance_attribute	Resets an attribute of an instance to its default va
reset_network_interface_attribute	Resets a network interface attribute
reset_snapshot_attribute	Resets permission settings for the specified snap

restore_address_to_classic	Restores an Elastic IP address that was previously
restore_managed_prefix_list_version	Restores the entries from a previous version of a
revoke_client_vpn_ingress	Removes an ingress authorization rule from a Client
revoke_security_group_egress	[VPC only] Removes the specified egress rules from a
revoke_security_group_ingress	Removes the specified ingress rules from a security
run_instances	Launches the specified number of instances using
run_scheduled_instances	Launches the specified Scheduled Instances
search_local_gateway_routes	Searches for routes in the specified local gateway
search_transit_gateway_multicast_groups	Searches one or more transit gateway multicast groups
search_transit_gateway_routes	Searches for routes in the specified transit gateway
send_diagnostic_interrupt	Sends a diagnostic interrupt to the specified Amazon
start_instances	Starts an Amazon EBS-backed instance that you
start_network_insights_analysis	Starts analyzing the specified path
start_vpc_endpoint_service_private_dns_verification	Initiates the verification process to prove that the
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
unassign_private_ip_addresses	Unassigns one or more secondary private IP addresses
unmonitor_instances	Disables detailed monitoring for a running instance
update_security_group_rule_descriptions_egress	[VPC only] Updates the description of an egress rule
update_security_group_rule_descriptions_ingress	Updates the description of an ingress (inbound) rule
withdraw_byoip_cidr	Stops advertising an address range that is provisioned

Examples

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

## End(Not run)
```

ec2instanceconnect *AWS EC2 Instance Connect*

Description

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(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 <- 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-2b for use by the instance OS user ec2-user.
svc$send_ssh_public_key(
  AvailabilityZone = "us-west-2a",
  InstanceId = "i-abcd1234",
  InstanceOSUser = "ec2-user",
  SSHPublicKey = "ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQ3F1Hqj2eqCdrGHuA6d..."
)
```

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

```
ecr
```

```
Amazon EC2 Container Registry
```

Description

Amazon Elastic Container Registry

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

Usage

```
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

```
svc <- 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

<code>batch_check_layer_availability</code>	Checks the availability of one or more image layers in a repository
<code>batch_delete_image</code>	Deletes a list of specified images within a repository
<code>batch_get_image</code>	Gets detailed information for an image
<code>complete_layer_upload</code>	Notifies Amazon ECR that the image layer upload has completed for a specified registry
<code>create_repository</code>	Creates a repository
<code>delete_lifecycle_policy</code>	Deletes the lifecycle policy associated with the specified repository
<code>delete_registry_policy</code>	Deletes the registry permissions policy
<code>delete_repository</code>	Deletes a repository
<code>delete_repository_policy</code>	Deletes the repository policy associated with the specified repository
<code>describe_images</code>	Returns metadata about the images in a repository
<code>describe_image_scan_findings</code>	Returns the scan findings for the specified image
<code>describe_registry</code>	Describes the settings for a registry
<code>describe_repositories</code>	Describes image repositories in a registry
<code>get_authorization_token</code>	Retrieves an authorization token
<code>get_download_url_for_layer</code>	Retrieves the pre-signed Amazon S3 download URL corresponding to an image layer
<code>get_lifecycle_policy</code>	Retrieves the lifecycle policy for the specified repository
<code>get_lifecycle_policy_preview</code>	Retrieves the results of the lifecycle policy preview request for the specified repository
<code>get_registry_policy</code>	Retrieves the permissions policy for a registry
<code>get_repository_policy</code>	Retrieves the repository policy for the specified repository
<code>initiate_layer_upload</code>	Notifies Amazon ECR that you intend to upload an image layer
<code>list_images</code>	Lists all the image IDs for the specified repository
<code>list_tags_for_resource</code>	List the tags for an Amazon ECR resource
<code>put_image</code>	Creates or updates the image manifest and tags associated with an image
<code>put_image_scanning_configuration</code>	Updates the image scanning configuration for the specified repository
<code>put_image_tag_mutability</code>	Updates the image tag mutability settings for the specified repository
<code>put_lifecycle_policy</code>	Creates or updates the lifecycle policy for the specified repository
<code>put_registry_policy</code>	Creates or updates the permissions policy for your registry
<code>put_replication_configuration</code>	Creates or updates the replication configuration for a registry
<code>set_repository_policy</code>	Applies a repository policy to the specified repository to control access permissions
<code>start_image_scan</code>	Starts an image vulnerability scan
<code>start_lifecycle_policy_preview</code>	Starts a preview of a lifecycle policy for the specified repository
<code>tag_resource</code>	Adds specified tags to a resource with the specified ARN
<code>untag_resource</code>	Deletes specified tags from a resource
<code>upload_layer_part</code>	Uploads an image layer part to Amazon ECR

Examples

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

```

    repositoryName = "ubuntu"
  )

  ## End(Not run)

```

 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(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	Creates a new capacity provider
create_cluster	Creates a new Amazon ECS cluster
create_service	Runs and maintains a desired number of tasks from a specified task definition
create_task_set	Create a task set in the specified cluster and service
delete_account_setting	Disables an account setting for a specified IAM user, IAM role, or the root user for an account
delete_attributes	Deletes one or more custom attributes from an Amazon ECS resource
delete_capacity_provider	Deletes the specified capacity provider
delete_cluster	Deletes the specified cluster
delete_service	Deletes a specified service within a cluster
delete_task_set	Deletes a specified task set within a service
deregister_container_instance	Deregisters an Amazon ECS container instance from the specified cluster
deregister_task_definition	Deregisters the specified task definition by family and revision
describe_capacity_providers	Describes one or more of your capacity providers
describe_clusters	Describes one or more of your clusters
describe_container_instances	Describes Amazon Elastic Container Service container instances
describe_services	Describes the specified services running in your cluster
describe_task_definition	Describes a task definition
describe_tasks	Describes a specified task or tasks
describe_task_sets	Describes the task sets in the specified cluster and service
discover_poll_endpoint	This action is only used by the Amazon ECS agent, and it is not intended for use outside of the Amazon ECS agent
list_account_settings	Lists the account settings for a specified principal
list_attributes	Lists the attributes for Amazon ECS resources within a specified target type and cluster
list_clusters	Returns a list of existing clusters
list_container_instances	Returns a list of container instances in a specified cluster
list_services	Lists the services that are running in a specified cluster
list_tags_for_resource	List the tags for an Amazon ECS resource
list_task_definition_families	Returns a list of task definition families that are registered to your account (which may include families that are not currently used)
list_task_definitions	Returns a list of task definitions that are registered to your account
list_tasks	Returns a list of tasks for a specified cluster
put_account_setting	Modifies an account setting
put_account_setting_default	Modifies an account setting for all IAM users on an account for whom no individual account settings are specified
put_attributes	Create or update an attribute on an Amazon ECS resource
put_cluster_capacity_providers	Modifies the available capacity providers and the default capacity provider strategy for a cluster
register_container_instance	This action is only used by the Amazon ECS agent, and it is not intended for use outside of the Amazon ECS agent
register_task_definition	Registers a new task definition from the supplied family and containerDefinitions
run_task	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
<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
<code>submit_container_state_change</code>	This action is only used by the Amazon ECS agent, and it is not intended for use outside
<code>submit_task_state_change</code>	This action is only used by the Amazon ECS agent, and it is not intended for use outside
<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_capacity_provider</code>	Modifies the parameters for a capacity provider
<code>update_cluster_settings</code>	Modifies the settings to use for a cluster
<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>	Updating the task placement strategies and constraints on an Amazon ECS service remain
<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

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

## End(Not run)
```

eks

Amazon Elastic Kubernetes Service

Description

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

```
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
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
list_nodegroups	Lists the Amazon EKS managed node groups associated with the specified cluster in your AWS
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

<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_addon</code>	Updates an Amazon EKS add-on
<code>update_cluster_config</code>	Updates an Amazon EKS cluster configuration
<code>update_cluster_version</code>	Updates an Amazon EKS cluster to the specified Kubernetes version
<code>update_nodegroup_config</code>	Updates an Amazon EKS managed node group configuration
<code>update_nodegroup_version</code>	Updates the Kubernetes version or AMI version of an Amazon EKS managed node group

Examples

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

## End(Not run)
```

elasticbeanstalk

AWS Elastic Beanstalk

Description

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 update
apply_environment_managed_action	Applies a scheduled managed action immediately
associate_environment_operations_role	Add or change the operations role used by an environment
check_dns_availability	Checks if the specified CNAME is available
compose_environments	Create or update a group of environments that each run a separate component
create_application	Creates an application that has one configuration template named default and one application version
create_application_version	Creates an application version for the specified application
create_configuration_template	Creates an AWS Elastic Beanstalk configuration template, associated with a default application version
create_environment	Launches an AWS Elastic Beanstalk environment for the specified application and 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 content
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

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

Examples

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

## End(Not run)
```

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(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 <- 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

<code>create_event_source_mapping</code>	Creates a mapping between an event source and an AWS Lambda function
<code>create_function</code>	Creates a Lambda function
<code>delete_alias</code>	Deletes a Lambda function alias
<code>delete_code_signing_config</code>	Deletes the code signing configuration
<code>delete_event_source_mapping</code>	Deletes an event source mapping
<code>delete_function</code>	Deletes a Lambda function
<code>delete_function_code_signing_config</code>	Removes the code signing configuration from the function
<code>delete_function_concurrency</code>	Removes a concurrent execution limit from a function
<code>delete_function_event_invoke_config</code>	Deletes the configuration for asynchronous invocation for a function, version, or alias
<code>delete_layer_version</code>	Deletes a version of an AWS Lambda layer
<code>delete_provisioned_concurrency_config</code>	Deletes the provisioned concurrency configuration for a function
<code>get_account_settings</code>	Retrieves details about your account's limits and usage in an AWS Region
<code>get_alias</code>	Returns details about a Lambda function alias
<code>get_code_signing_config</code>	Returns information about the specified code signing configuration
<code>get_event_source_mapping</code>	Returns details about an event source mapping
<code>get_function</code>	Returns information about the function or function version, with a link to download the code
<code>get_function_code_signing_config</code>	Returns the code signing configuration for the specified function
<code>get_function_concurrency</code>	Returns details about the reserved concurrency configuration for a function
<code>get_function_configuration</code>	Returns the version-specific settings of a Lambda function or version
<code>get_function_event_invoke_config</code>	Retrieves the configuration for asynchronous invocation for a function, version, or alias
<code>get_layer_version</code>	Returns information about a version of an AWS Lambda layer, with a link to download the code
<code>get_layer_version_by_arn</code>	Returns information about a version of an AWS Lambda layer, with a link to download the code
<code>get_layer_version_policy</code>	Returns the permission policy for a version of an AWS Lambda layer
<code>get_policy</code>	Returns the resource-based IAM policy for a function, version, or alias
<code>get_provisioned_concurrency_config</code>	Retrieves the provisioned concurrency configuration for a function's alias or version
<code>invoke</code>	Invokes a Lambda function
<code>invoke_async</code>	For asynchronous function invocation, use <code>InvokeAsync</code>
<code>list_aliases</code>	Returns a list of aliases for a Lambda function
<code>list_code_signing_configs</code>	Returns a list of code signing configurations
<code>list_event_source_mappings</code>	Lists event source mappings
<code>list_function_event_invoke_configs</code>	Retrieves a list of configurations for asynchronous invocation for a function
<code>list_functions</code>	Returns a list of Lambda functions, with the version-specific configuration of each
<code>list_functions_by_code_signing_config</code>	List the functions that use the specified code signing configuration
<code>list_layers</code>	Lists AWS Lambda layers and shows information about the latest version of each
<code>list_layer_versions</code>	Lists the versions of an AWS Lambda layer
<code>list_provisioned_concurrency_configs</code>	Retrieves a list of provisioned concurrency configurations for a function
<code>list_tags</code>	Returns a function's tags
<code>list_versions_by_function</code>	Returns a list of versions, with the version-specific configuration of each
<code>publish_layer_version</code>	Creates an AWS Lambda layer from a ZIP archive
<code>publish_version</code>	Creates a version from the current code and configuration of a function
<code>put_function_code_signing_config</code>	Update the code signing configuration for the function
<code>put_function_concurrency</code>	Sets the maximum number of simultaneous executions for a function, and reserves the concurrency
<code>put_function_event_invoke_config</code>	Configures options for asynchronous invocation on a function, version, or alias
<code>put_provisioned_concurrency_config</code>	Adds a provisioned concurrency configuration to a function's alias or version
<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

update_alias	Updates the configuration of a Lambda function alias
update_code_signing_config	Update the code signing configuration
update_event_source_mapping	Updates an event source mapping
update_function_code	Updates a Lambda function's code
update_function_configuration	Modify the version-specific settings of a Lambda function
update_function_event_invoke_config	Updates the configuration for asynchronous invocation for a function, version, or alias

Examples

```
## Not run:
svc <- lambda()
# The following example grants permission for the account 223456789012 to
# use version 1 of a layer named my-layer.
svc$add_layer_version_permission(
  Action = "lambda:GetLayerVersion",
  LayerName = "my-layer",
  Principal = "223456789012",
  StatementId = "xaccount",
  VersionNumber = 1L
)

## End(Not run)
```

lightsail

Amazon Lightsail

Description

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

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

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

Usage

```
lightsail(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 <- 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
attach_disk	Attaches a block storage disk to a running or stopped Lightsail instance and
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
create_certificate	Creates an SSL/TLS certificate for a Amazon Lightsail content delivery network
create_cloud_formation_stack	Creates an AWS CloudFormation stack, which creates a new Amazon EC2 instance
create_contact_method	Creates an email or SMS text message contact method
create_container_service	Creates an Amazon Lightsail container service
create_container_service_deployment	Creates a deployment for your Amazon Lightsail container service
create_container_service_registry_login	Creates a temporary set of log in credentials that you can use to log in to the registry
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., example.com)
create_domain_entry	Creates one of the following domain name system (DNS) records in a domain: A, AAAA, CNAME, MX, NS, TXT, or SRV

<code>create_instances</code>	Creates one or more Amazon Lightsail instances
<code>create_instances_from_snapshot</code>	Creates one or more new instances from a manual or automatic snapshot of
<code>create_instance_snapshot</code>	Creates a snapshot of a specific virtual private server, or instance
<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 Light
<code>create_relational_database_snapshot</code>	Creates a snapshot of your database in Amazon Lightsail
<code>delete_alarm</code>	Deletes an alarm
<code>delete_auto_snapshot</code>	Deletes an automatic snapshot of an instance or disk
<code>delete_certificate</code>	Deletes an SSL/TLS certificate for your Amazon Lightsail content delivery
<code>delete_contact_method</code>	Deletes a contact method
<code>delete_container_image</code>	Deletes a container image that is registered to your Amazon Lightsail conta
<code>delete_container_service</code>	Deletes your Amazon Lightsail container service
<code>delete_disk</code>	Deletes the specified block storage disk
<code>delete_disk_snapshot</code>	Deletes the specified disk snapshot
<code>delete_distribution</code>	Deletes your Amazon Lightsail content delivery network (CDN) distribution
<code>delete_domain</code>	Deletes the specified domain recordset and all of its domain records
<code>delete_domain_entry</code>	Deletes a specific domain entry
<code>delete_instance</code>	Deletes an Amazon Lightsail instance
<code>delete_instance_snapshot</code>	Deletes a specific snapshot of a virtual private server (or instance)
<code>delete_key_pair</code>	Deletes 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_certificate_from_distribution</code>	Detaches an SSL/TLS certificate from your Amazon Lightsail content deliv
<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>disable_add_on</code>	Disables an add-on for an Amazon Lightsail resource
<code>download_default_key_pair</code>	Downloads the default SSH key pair from the user's account
<code>enable_add_on</code>	Enables or modifies an add-on for an Amazon Lightsail resource
<code>export_snapshot</code>	Exports an Amazon Lightsail instance or block storage disk snapshot to Am
<code>get_active_names</code>	Returns the names of all active (not deleted) resources
<code>get_alarms</code>	Returns information about the configured alarms
<code>get_auto_snapshots</code>	Returns the available automatic snapshots for an instance or disk
<code>get_blueprints</code>	Returns the list of available instance images, or blueprints
<code>get_bundles</code>	Returns the list of bundles that are available for purchase
<code>get_certificates</code>	Returns information about one or more Amazon Lightsail SSL/TLS certifica
<code>get_cloud_formation_stack_records</code>	Returns the CloudFormation stack record created as a result of the create cl
<code>get_contact_methods</code>	Returns information about the configured contact methods
<code>get_container_api_metadata</code>	Returns information about Amazon Lightsail containers, such as the current
<code>get_container_images</code>	Returns the container images that are registered to your Amazon Lightsail c
<code>get_container_log</code>	Returns the log events of a container of your Amazon Lightsail container se
<code>get_container_service_deployments</code>	Returns the deployments for your Amazon Lightsail container service

<code>get_container_service_metric_data</code>	Returns the data points of a specific metric of your Amazon Lightsail container instance.
<code>get_container_service_powers</code>	Returns the list of powers that can be specified for your Amazon Lightsail container instance.
<code>get_container_services</code>	Returns information about one or more of your Amazon Lightsail container instances.
<code>get_disk</code>	Returns information about a specific block storage disk.
<code>get_disks</code>	Returns information about all block storage disks in your AWS account and region.
<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 account and region.
<code>get_distribution_bundles</code>	Returns the list of bundles that can be applied to your Amazon Lightsail content storage buckets.
<code>get_distribution_latest_cache_reset</code>	Returns the timestamp and status of the last cache reset of a specific Amazon Lightsail content storage bucket.
<code>get_distribution_metric_data</code>	Returns the data points of a specific metric for an Amazon Lightsail content storage bucket.
<code>get_distributions</code>	Returns information about one or more of your Amazon Lightsail content storage buckets.
<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 operation.
<code>get_instance</code>	Returns information about a specific Amazon Lightsail instance, which is a virtual private server.
<code>get_instance_access_details</code>	Returns temporary SSH keys you can use to connect to a specific virtual private server.
<code>get_instance_metric_data</code>	Returns the data points for the specified Amazon Lightsail instance metric.
<code>get_instance_port_states</code>	Returns the firewall port states for a specific Amazon Lightsail instance.
<code>get_instances</code>	Returns information about all Amazon Lightsail virtual private servers, or instances.
<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_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_balancers</code>	Returns information about all load balancers in an account.
<code>get_load_balancer_tls_certificates</code>	Returns information about the TLS certificates that are associated with the specified load balancer.
<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.g., instance, load balancer).
<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 Lightsail.
<code>get_relational_database_master_user_password</code>	Returns the current, previous, or pending versions of the master user password for a specific database.
<code>get_relational_database_metric_data</code>	Returns the data points of the specified metric for a database in Amazon Lightsail.
<code>get_relational_database_parameters</code>	Returns all of the runtime parameters offered by the underlying database software.
<code>get_relational_databases</code>	Returns information about all of your databases in Amazon Lightsail.
<code>get_relational_database_snapshot</code>	Returns information about a specific database snapshot in Amazon Lightsail.
<code>get_relational_database_snapshots</code>	Returns information about all of your database snapshots in Amazon Lightsail.
<code>get_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 with another VPC.

<code>open_instance_public_ports</code>	Opens ports for a specific Amazon Lightsail instance, and specifies the IP address
<code>peer_vpc</code>	Tries to peer the Lightsail VPC with the user's default VPC
<code>put_alarm</code>	Creates or updates an alarm, and associates it with the specified metric
<code>put_instance_public_ports</code>	Opens ports for a specific Amazon Lightsail instance, and specifies the IP address
<code>reboot_instance</code>	Restarts a specific instance
<code>reboot_relational_database</code>	Restarts a specific database in Amazon Lightsail
<code>register_container_image</code>	Registers a container image to your Amazon Lightsail container service
<code>release_static_ip</code>	Deletes a specific static IP from your account
<code>reset_distribution_cache</code>	Deletes currently cached content from your Amazon Lightsail content delivery network (CDN)
<code>send_contact_method_verification</code>	Sends a verification request to an email contact method to ensure it's owned
<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>test_alarm</code>	Tests an alarm by displaying a banner on the Amazon Lightsail console
<code>unpeer_vpc</code>	Attempts to unpeer the Lightsail VPC from the user's default VPC
<code>untag_resource</code>	Deletes the specified set of tag keys and their values from the specified Amazon Lightsail resource
<code>update_container_service</code>	Updates the configuration of your Amazon Lightsail container service, such as the container engine
<code>update_distribution</code>	Updates an existing Amazon Lightsail content delivery network (CDN) distribution
<code>update_distribution_bundle</code>	Updates the bundle of your Amazon Lightsail content delivery network (CDN) distribution
<code>update_domain_entry</code>	Updates a domain recordset after it is created
<code>update_load_balancer_attribute</code>	Updates the specified attribute for a load balancer
<code>update_relational_database</code>	Allows the update of one or more attributes of a database in Amazon Lightsail
<code>update_relational_database_parameters</code>	Allows the update of one or more parameters of a database in Amazon Lightsail

Examples

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

## End(Not run)
```

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"
```



```
)
)
```

Operations

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

Examples

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

## End(Not run)
```

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