

# Package ‘paws.compute’

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**Title** Amazon Web Services Compute Services

**Version** 0.1.9

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

**License** Apache License (>= 2.0)

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

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

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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

AWS Batch enables you to run batch computing workloads on the AWS Cloud. Batch computing is a common way for developers, scientists, and engineers to access large amounts of compute resources, and AWS Batch removes the undifferentiated heavy lifting of configuring and managing the required infrastructure. AWS Batch will be familiar to users of traditional batch computing software. This service can efficiently provision resources in response to jobs submitted in order to eliminate capacity constraints, reduce compute costs, and deliver results quickly.

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

## Usage

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

**Arguments**

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

**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**

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

```

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 ec2

*Amazon Elastic Compute Cloud*


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## 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.

## 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\_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\_iam\_instance\_profile  
 associate\_route\_table  
 associate\_subnet\_cidr\_block  
 associate\_transit\_gateway\_multicast\_domain  
 associate\_transit\_gateway\_route\_table  
 associate\_vpc\_cidr\_block  
 attach\_classic\_link\_vpc  
 attach\_internet\_gateway  
 attach\_network\_interface  
 attach\_volume  
 attach\_vpn\_gateway  
 authorize\_client\_vpn\_ingress  
 authorize\_security\_group\_egress  
 authorize\_security\_group\_ingress  
 bundle\_instance  
 cancel\_bundle\_task  
 cancel\_capacity\_reservation  
 cancel\_conversion\_task  
 cancel\_export\_task  
 cancel\_import\_task  
 cancel\_reserved\_instances\_listing  
 cancel\_spot\_fleet\_requests  
 cancel\_spot\_instance\_requests  
 confirm\_product\_instance  
 copy\_fpga\_image  
 copy\_image  
 copy\_snapshot  
 create\_capacity\_reservation  
 create\_client\_vpn\_endpoint  
 create\_client\_vpn\_route  
 create\_customer\_gateway  
 create\_default\_subnet  
 create\_default\_vpc  
 create\_dhcp\_options

Accepts the Convertible Reserved Instance exchange quote  
 Accepts a transit gateway peering attachment request  
 Accepts a request to attach a VPC to a transit gateway  
 Accepts one or more interface VPC endpoint connections  
 Accept a VPC peering connection request  
 Advertises an IPv4 or IPv6 address range that is available for BYOIP  
 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 endpoint and a target network  
 Assigns one or more IPv6 addresses to the specified instance  
 Assigns one or more secondary private IP addresses to the specified instance  
 Associates an Elastic IP address with an instance  
 Associates a target network with a Client VPN endpoint  
 Associates a set of DHCP options (that you've previously created) with a VPC  
 Associates an IAM instance profile with a running instance  
 Associates a subnet in your VPC or an internet gateway with a route table  
 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-Classical 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  
 Bundles an Amazon instance store-backed Windows instance  
 Cancels a bundling operation for an instance store-backed Windows instance  
 Cancels the specified Capacity Reservation, releasing the reserved capacity  
 Cancels an active conversion task  
 Cancels an active export task  
 Cancels an in-process import virtual machine operation  
 Cancels the specified Reserved Instance listing in your account  
 Cancels the specified Spot Fleet requests  
 Cancels one or more Spot Instance requests  
 Determines whether a product code is associated with an instance  
 Copies the specified Amazon FPGA Image (AFI) to your account  
 Initiates the copy of an AMI from the specified source  
 Copies a point-in-time snapshot of an EBS volume to another region  
 Creates a new Capacity Reservation with the specified parameters  
 Creates a Client VPN endpoint  
 Adds a route to a network to a Client VPN endpoint  
 Provides information to AWS about your VPN connection  
 Creates a default subnet with a size /20 IPv4 CIDR block  
 Creates a default VPC with a size /16 IPv4 CIDR block  
 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 image
<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 name
<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 use a network interface
<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 specified 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_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_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 an Amazon CloudFront distribution
<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_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 p
<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 loc
<code>delete_local_gateway_route_table_vpc_association</code>	Deletes the specified association between a VPC
<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)
<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 R
<code>delete_route</code>	Deletes the specified route from the specified rou
<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 specifie
<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_multicast_domain</code>	Deletes the specified transit gateway multicast do
<code>delete_transit_gateway_peering_attachment</code>	Deletes a transit gateway peering attachment
<code>delete_transit_gateway_route</code>	Deletes the specified route from the specified tran
<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 n
<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 confi
<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
<code>delete_vpn_gateway</code>	Deletes the specified virtual private gateway
<code>deprovision_byoip_cidr</code>	Releases the specified address range that you pro

deregister_image	Deregisters the specified AMI
deregister_instance_event_notification_attributes	Deregisters tag keys to prevent tags that have the
deregister_transit_gateway_multicast_group_members	Deregisters the specified members (network inter
deregister_transit_gateway_multicast_group_sources	Deregisters the specified sources (network interfa
describe_account_attributes	Describes attributes of your AWS account
describe_addresses	Describes the specified Elastic IP addresses or al
describe_aggregate_id_format	Describes the longer ID format settings for all re
describe_availability_zones	Describes the Availability Zones and Local Zone
describe_bundle_tasks	Describes the specified bundle tasks or all of you
describe_byoip_cidrs	Describes the IP address ranges that were specifi
describe_capacity_reservations	Describes one or more of your Capacity Reserva
describe_classic_link_instances	Describes one or more of your linked EC2-Class
describe_client_vpn_authorization_rules	Describes the authorization rules for a specified
describe_client_vpn_connections	Describes active client connections and connecti
describe_client_vpn_endpoints	Describes one or more Client VPN endpoints in
describe_client_vpn_routes	Describes the routes for the specified Client VPN
describe_client_vpn_target_networks	Describes the target networks associated with the
describe_coip_pools	Describes the specified customer-owned address
describe_conversion_tasks	Describes the specified conversion tasks or all yo
describe_customer_gateways	Describes one or more of your VPN customer ga
describe_dhcp_options	Describes one or more of your DHCP options set
describe_egress_only_internet_gateways	Describes one or more of your egress-only intern
describe_elastic_gpus	Describes the Elastic Graphics accelerator associ
describe_export_image_tasks	Describes the specified export image tasks or all
describe_export_tasks	Describes the specified export instance tasks or a
describe_fast_snapshot_restores	Describes the state of fast snapshot restores for y
describe_fleet_history	Describes the events for the specified EC2 Fleet
describe_fleet_instances	Describes the running instances for the specified
describe_fleets	Describes the specified EC2 Fleets or all of your
describe_flow_logs	Describes one or more flow logs
describe_fpga_image_attribute	Describes the specified attribute of the specified
describe_fpga_images	Describes the Amazon FPGA Images (AFIs) avai
describe_host_reservation_offerings	Describes the Dedicated Host reservations that ar
describe_host_reservations	Describes reservations that are associated with D
describe_hosts	Describes the specified Dedicated Hosts or all yo
describe_iam_instance_profile_associations	Describes your IAM instance profile associations
describe_identity_id_format	Describes the ID format settings for resources fo
describe_id_format	Describes the ID format settings for your resourc
describe_image_attribute	Describes the specified attribute of the specified
describe_images	Describes the specified images (AMIs, AKIs, and
describe_import_image_tasks	Displays details about an import virtual machine
describe_import_snapshot_tasks	Describes your import snapshot tasks
describe_instance_attribute	Describes the specified attribute of the specified
describe_instance_credit_specifications	Describes the credit option for CPU usage of the
describe_instance_event_notification_attributes	Describes the tag keys that are registered to appe
describe_instances	Describes the specified instances or all instances
describe_instance_status	Describes the status of the specified instances or
describe_instance_type_offerings	Returns a list of all instance types offered



<a href="#">describe_instance_types</a>	Describes the details of the instance types that are available in your account
<a href="#">describe_internet_gateways</a>	Describes one or more of your internet gateways
<a href="#">describe_ipv6_pools</a>	Describes your IPv6 address pools
<a href="#">describe_key_pairs</a>	Describes the specified key pairs or all of your key pairs
<a href="#">describe_launch_templates</a>	Describes one or more launch templates
<a href="#">describe_launch_template_versions</a>	Describes one or more versions of a specified launch template
<a href="#">describe_local_gateway_route_tables</a>	Describes one or more local gateway route tables
<a href="#">describe_local_gateway_route_table_virtual_interface_group_associations</a>	Describes the associations between virtual interfaces and local gateway route tables
<a href="#">describe_local_gateway_route_table_vpc_associations</a>	Describes the specified associations between VPCs and local gateway route tables
<a href="#">describe_local_gateways</a>	Describes one or more local gateways
<a href="#">describe_local_gateway_virtual_interface_groups</a>	Describes the specified local gateway virtual interface groups
<a href="#">describe_local_gateway_virtual_interfaces</a>	Describes the specified local gateway virtual interfaces
<a href="#">describe_managed_prefix_lists</a>	Describes your managed prefix lists and any AWS Managed Prefix Lists
<a href="#">describe_moving_addresses</a>	Describes your Elastic IP addresses that are being moved
<a href="#">describe_nat_gateways</a>	Describes one or more of your NAT gateways
<a href="#">describe_network_acls</a>	Describes one or more of your network ACLs
<a href="#">describe_network_interface_attribute</a>	Describes a network interface attribute
<a href="#">describe_network_interface_permissions</a>	Describes the permissions for your network interfaces
<a href="#">describe_network_interfaces</a>	Describes one or more of your network interfaces
<a href="#">describe_placement_groups</a>	Describes the specified placement groups or all of your placement groups
<a href="#">describe_prefix_lists</a>	Describes available AWS services in a prefix list
<a href="#">describe_principal_id_format</a>	Describes the ID format settings for the root user
<a href="#">describe_public_ipv4_pools</a>	Describes the specified IPv4 address pools
<a href="#">describe_regions</a>	Describes the Regions that are enabled for your account
<a href="#">describe_reserved_instances</a>	Describes one or more of the Reserved Instances
<a href="#">describe_reserved_instances_listings</a>	Describes your account's Reserved Instance listings
<a href="#">describe_reserved_instances_modifications</a>	Describes the modifications made to your Reserved Instances
<a href="#">describe_reserved_instances_offerings</a>	Describes Reserved Instance offerings that are available
<a href="#">describe_route_tables</a>	Describes one or more of your route tables
<a href="#">describe_scheduled_instance_availability</a>	Finds available schedules that meet the specified criteria
<a href="#">describe_scheduled_instances</a>	Describes the specified Scheduled Instances or all of your Scheduled Instances
<a href="#">describe_security_group_references</a>	[VPC only] Describes the VPCs on the other side of a security group
<a href="#">describe_security_groups</a>	Describes the specified security groups or all of your security groups
<a href="#">describe_snapshot_attribute</a>	Describes the specified attribute of the specified EBS snapshots
<a href="#">describe_snapshots</a>	Describes the specified EBS snapshots available in your account
<a href="#">describe_spot_datafeed_subscription</a>	Describes the data feed for Spot Instances
<a href="#">describe_spot_fleet_instances</a>	Describes the running instances for the specified Spot Fleet
<a href="#">describe_spot_fleet_request_history</a>	Describes the events for the specified Spot Fleet
<a href="#">describe_spot_fleet_requests</a>	Describes your Spot Fleet requests
<a href="#">describe_spot_instance_requests</a>	Describes the specified Spot Instance requests
<a href="#">describe_spot_price_history</a>	Describes the Spot price history
<a href="#">describe_stale_security_groups</a>	[VPC only] Describes the stale security group rules
<a href="#">describe_subnets</a>	Describes one or more of your subnets
<a href="#">describe_tags</a>	Describes the specified tags for your EC2 resources
<a href="#">describe_traffic_mirror_filters</a>	Describes one or more Traffic Mirror filters
<a href="#">describe_traffic_mirror_sessions</a>	Describes one or more Traffic Mirror sessions
<a href="#">describe_traffic_mirror_targets</a>	Information about one or more Traffic Mirror targets
<a href="#">describe_transit_gateway_attachments</a>	Describes one or more attachments between resources

<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 volume
<code>describe_volumes</code>	Describes the specified EBS volumes or all of your account's 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 VPCs
<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 for the VPC
<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 propagating routes
<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 connection
<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 new Amazon S3 bucket
<code>export_transit_gateway_routes</code>	Exports routes from the specified transit gateway
<code>get_associated_ipv6_pool_cidrs</code>	Gets information about the IPv6 CIDR block associated with the specified transit gateway
<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 master key (CMK) 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) ID for EBS
<code>get_ebs_encryption_by_default</code>	Describes whether EBS encryption by default is enabled
<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 launch template
<code>get_managed_prefix_list_associations</code>	Gets information about the resources that are associated with the specified managed prefix list
<code>get_managed_prefix_list_entries</code>	Gets information about the entries for a specified managed prefix list
<code>get_password_data</code>	Retrieves the encrypted administrator password for the specified instance
<code>get_reserved_instances_exchange_quote</code>	Returns a quote and exchange information for exchanging reserved instances
<code>get_transit_gateway_attachment_propagations</code>	Lists the route tables to which the specified transit gateway is attached
<code>get_transit_gateway_multicast_domain_associations</code>	Gets information about the associations for the specified transit gateway multicast domain
<code>get_transit_gateway_route_table_associations</code>	Gets information about the associations for the specified transit gateway route table
<code>get_transit_gateway_route_table_propagations</code>	Gets information about the route table propagation for the specified transit gateway
<code>import_client_vpn_client_certificate_revocation_list</code>	Uploads a client certificate revocation list to the specified Client VPN endpoint
<code>import_image</code>	Import single or multi-volume disk images or EBS snapshots
<code>import_instance</code>	Creates an import instance task using metadata from an Amazon S3 bucket
<code>import_key_pair</code>	Imports the public key from an RSA key pair that is stored on a local computer
<code>import_snapshot</code>	Imports a disk into an EBS snapshot
<code>import_volume</code>	Creates an import volume task using metadata from an Amazon S3 bucket
<code>modify_availability_zone_group</code>	Enables or disables an Availability Zone group for the specified EC2 instance
<code>modify_capacity_reservation</code>	Modifies a Capacity Reservation's capacity and tenancy
<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) ID for EBS
<code>modify_fleet</code>	Modifies the specified EC2 Fleet
<code>modify_fpga_image_attribute</code>	Modifies the specified attribute of the specified Amazon FPGA Image (AFI)
<code>modify_hosts</code>	Modify the auto-placement setting of a Dedicated Host
<code>modify_identity_id_format</code>	Modifies the ID format of a resource for a specified Amazon Identity and Access Management (IAM) role
<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 Amazon Machine Image (AMI)
<code>modify_instance_attribute</code>	Modifies the specified attribute of the specified instance
<code>modify_instance_capacity_reservation_attributes</code>	Modifies the Capacity Reservation settings for a specified instance
<code>modify_instance_credit_specification</code>	Modifies the credit option for CPU usage on a running instance
<code>modify_instance_event_start_time</code>	Modifies the start time for a scheduled Amazon Linux 2 instance event
<code>modify_instance_metadata_options</code>	Modify the instance metadata parameters on a running instance
<code>modify_instance_placement</code>	Modifies the placement attributes for a specified instance
<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_vpc_attachment</code>	Modifies the specified VPC attachment
<code>modify_volume</code>	You can modify several parameters of an existing
<code>modify_volume_attribute</code>	Modifies a volume attribute
<code>modify_vpc_attribute</code>	Modifies the specified attribute of the specified V
<code>modify_vpc_endpoint</code>	Modifies attributes of a specified VPC endpoint
<code>modify_vpc_endpoint_connection_notification</code>	Modifies a connection notification for VPC endp
<code>modify_vpc_endpoint_service_configuration</code>	Modifies the attributes of your VPC endpoint ser
<code>modify_vpc_endpoint_service_permissions</code>	Modifies the permissions for your VPC endpoint
<code>modify_vpc_peering_connection_options</code>	Modifies the VPC peering connection options on
<code>modify_vpc_tenancy</code>	Modifies the instance tenancy attribute of the spe
<code>modify_vpn_connection</code>	Modifies the customer gateway or the target gate
<code>modify_vpn_tunnel_certificate</code>	Modifies the VPN tunnel endpoint certificate
<code>modify_vpn_tunnel_options</code>	Modifies the options for a VPN tunnel in an AW
<code>monitor_instances</code>	Enables detailed monitoring for a running instanc
<code>move_address_to_vpc</code>	Moves an Elastic IP address from the EC2-Class
<code>provision_byoip_cidr</code>	Provisions an IPv4 or IPv6 address range for use
<code>purchase_host_reservation</code>	Purchase a reservation with configurations that m
<code>purchase_reserved_instances_offering</code>	Purchases a Reserved Instance for use with your
<code>purchase_scheduled_instances</code>	Purchases the Scheduled Instances with the speci
<code>reboot_instances</code>	Requests a reboot of the specified instances
<code>register_image</code>	Registers an AMI
<code>register_instance_event_notification_attributes</code>	Registers a set of tag keys to include in schedule
<code>register_transit_gateway_multicast_group_members</code>	Registers members (network interfaces) with the
<code>register_transit_gateway_multicast_group_sources</code>	Registers sources (network interfaces) with the s
<code>reject_transit_gateway_peering_attachment</code>	Rejects a transit gateway peering attachment requ
<code>reject_transit_gateway_vpc_attachment</code>	Rejects a request to attach a VPC to a transit gate
<code>reject_vpc_endpoint_connections</code>	Rejects one or more VPC endpoint connection re
<code>reject_vpc_peering_connection</code>	Rejects a VPC peering connection request
<code>release_address</code>	Releases the specified Elastic IP address
<code>release_hosts</code>	When you no longer want to use an On-Demand
<code>replace_iam_instance_profile_association</code>	Replaces an IAM instance profile for the specifie
<code>replace_network_acl_association</code>	Changes which network ACL a subnet is associa
<code>replace_network_acl_entry</code>	Replaces an entry (rule) in a network ACL
<code>replace_route</code>	Replaces an existing route within a route table in
<code>replace_route_table_association</code>	Changes the route table associated with a given s
<code>replace_transit_gateway_route</code>	Replaces the specified route in the specified trans
<code>report_instance_status</code>	Submits feedback about the status of an instance
<code>request_spot_fleet</code>	Creates a Spot Fleet request
<code>request_spot_instances</code>	Creates a Spot Instance request
<code>reset_ebs_default_kms_key_id</code>	Resets the default customer master key (CMK) fo
<code>reset_fpga_image_attribute</code>	Resets the specified attribute of the specified Am

<code>reset_image_attribute</code>	Resets an attribute of an AMI to its default value
<code>reset_instance_attribute</code>	Resets an attribute of an instance to its default value
<code>reset_network_interface_attribute</code>	Resets a network interface attribute
<code>reset_snapshot_attribute</code>	Resets permission settings for the specified snapshot
<code>restore_address_to_classic</code>	Restores an Elastic IP address that was previously associated with a Classic instance
<code>restore_managed_prefix_list_version</code>	Restores the entries from a previous version of a managed prefix list
<code>revoke_client_vpn_ingress</code>	Removes an ingress authorization rule from a Client VPN endpoint
<code>revoke_security_group_egress</code>	[VPC only] Removes the specified egress rules from a security group
<code>revoke_security_group_ingress</code>	Removes the specified ingress rules from a security group
<code>run_instances</code>	Launches the specified number of instances using the specified parameters
<code>run_scheduled_instances</code>	Launches the specified Scheduled Instances
<code>search_local_gateway_routes</code>	Searches for routes in the specified local gateway
<code>search_transit_gateway_multicast_groups</code>	Searches one or more transit gateway multicast groups
<code>search_transit_gateway_routes</code>	Searches for routes in the specified transit gateway
<code>send_diagnostic_interrupt</code>	Sends a diagnostic interrupt to the specified Amazon EC2 instance
<code>start_instances</code>	Starts an Amazon EBS-backed instance that you previously stopped
<code>start_vpc_endpoint_service_private_dns_verification</code>	Initiates the verification process to prove that the specified VPC endpoint service is private
<code>stop_instances</code>	Stops an Amazon EBS-backed instance
<code>terminate_client_vpn_connections</code>	Terminates active Client VPN endpoint connections
<code>terminate_instances</code>	Shuts down the specified instances
<code>unassign_ipv6_addresses</code>	Unassigns one or more IPv6 addresses from a network interface
<code>unassign_private_ip_addresses</code>	Unassigns one or more secondary private IP addresses from a network interface
<code>unmonitor_instances</code>	Disables detailed monitoring for a running instance
<code>update_security_group_rule_descriptions_egress</code>	[VPC only] Updates the description of an egress rule in a security group
<code>update_security_group_rule_descriptions_ingress</code>	Updates the description of an ingress (inbound) rule in a security group
<code>withdraw_byoip_cidr</code>	Stops advertising an address range that is provisioned by you

## 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)
```

**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.

**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 AAAAB3NzaC1yc2EAAAADAQABAAQ3F1Hqj2eqCdrGHuA6dRjfZXQ4HX51XEIRHa..."
)
```

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

---

```
ecr
```

```
Amazon EC2 Container Registry
```

---

## Description

Amazon Elastic Container Registry

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

## Usage

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

## Arguments

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

## 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

<a href="#">batch_check_layer_availability</a>	Checks the availability of one or more image layers in a repository
<a href="#">batch_delete_image</a>	Deletes a list of specified images within a repository
<a href="#">batch_get_image</a>	Gets detailed information for an image
<a href="#">complete_layer_upload</a>	Informs Amazon ECR that the image layer upload has completed for a specified registry
<a href="#">create_repository</a>	Creates a repository

<code>delete_lifecycle_policy</code>	Deletes the lifecycle policy associated with the specified repository
<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_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_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>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)
```



## 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.

## 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

<a href="#">create_capacity_provider</a>	Creates a new capacity provider
<a href="#">create_cluster</a>	Creates a new Amazon ECS cluster
<a href="#">create_service</a>	Runs and maintains a desired number of tasks from a specified task definition
<a href="#">create_task_set</a>	Create a task set in the specified cluster and service

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

## 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

<code>create_cluster</code>	Creates an Amazon EKS control plane
<code>create_fargate_profile</code>	Creates an AWS Fargate profile for your Amazon EKS cluster
<code>create_nodegroup</code>	Creates a managed worker node group for an Amazon EKS cluster
<code>delete_cluster</code>	Deletes the Amazon EKS cluster control plane
<code>delete_fargate_profile</code>	Deletes an AWS Fargate profile
<code>delete_nodegroup</code>	Deletes an Amazon EKS node group for a cluster
<code>describe_cluster</code>	Returns descriptive information about an Amazon EKS cluster
<code>describe_fargate_profile</code>	Returns descriptive information about an AWS Fargate profile
<code>describe_nodegroup</code>	Returns descriptive information about an Amazon EKS node group
<code>describe_update</code>	Returns descriptive information about an update against your Amazon EKS cluster or associated
<code>list_clusters</code>	Lists the Amazon EKS clusters in your AWS account in the specified Region
<code>list_fargate_profiles</code>	Lists the AWS Fargate profiles associated with the specified cluster in your AWS account in the
<code>list_nodegroups</code>	Lists the Amazon EKS managed node groups associated with the specified cluster in your AWS
<code>list_tags_for_resource</code>	List the tags for an Amazon EKS resource
<code>list_updates</code>	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_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-AWSServiceRoleForAmazonEKS-J70N..."
)

```

```
## 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.

## 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

<code>abort_environment_update</code>	Cancels in-progress environment configuration update or application version update
<code>apply_environment_managed_action</code>	Applies a scheduled managed action immediately
<code>associate_environment_operations_role</code>	Add or change the operations role used by an environment
<code>check_dns_availability</code>	Checks if the specified CNAME is available
<code>compose_environments</code>	Create or update a group of environments that each run a separate component
<code>create_application</code>	Creates an application that has one configuration template named default and one application version
<code>create_application_version</code>	Creates an application version for the specified application
<code>create_configuration_template</code>	Creates an AWS Elastic Beanstalk configuration template, associated with a specific application
<code>create_environment</code>	Launches an AWS Elastic Beanstalk environment for the specified application and configuration template
<code>create_platform_version</code>	Create a new version of your custom platform
<code>create_storage_location</code>	Creates a bucket in Amazon S3 to store application versions, logs, and other artifacts
<code>delete_application</code>	Deletes the specified application along with all associated versions and configurations
<code>delete_application_version</code>	Deletes the specified version from the specified application
<code>delete_configuration_template</code>	Deletes the specified configuration template
<code>delete_environment_configuration</code>	Deletes the draft configuration associated with the running environment
<code>delete_platform_version</code>	Deletes the specified version of a custom platform
<code>describe_account_attributes</code>	Returns attributes related to AWS Elastic Beanstalk that are associated with your 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 can be used to create an environment
<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 Elastic Beanstalk environment
<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, EC2 instances, and Elastic Load Balancing load balancer)
<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 EC2 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 environment health
<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.

## 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

<code>add_layer_version_permission</code>	Adds permissions to the resource-based policy of a version of an AWS Lambda layer
<code>add_permission</code>	Grants an AWS service or another account permission to use a function
<code>create_alias</code>	Creates an alias for a Lambda function version
<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_event_source_mapping</code>	Deletes an event source mapping
<code>delete_function</code>	Deletes a Lambda 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_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
<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
<code>get_layer_version_by_arn</code>	Returns information about a version of an AWS Lambda layer, with a link to download
<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>Invoke</code>
<code>list_aliases</code>	Returns a list of aliases for a Lambda function
<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_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_concurrency</code>	Sets the maximum number of simultaneous executions for a function, and reserves
<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
<code>update_alias</code>	Updates the configuration of a Lambda function alias
<code>update_event_source_mapping</code>	Updates an event source mapping



<a href="#">update_function_code</a>	Updates a Lambda function's code
<a href="#">update_function_configuration</a>	Modify the version-specific settings of a Lambda function
<a href="#">update_function_event_invoke_config</a>	Updates the configuration for asynchronous invocation for a function, version, or al

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

For more information about Lightsail concepts and tasks, see the [Lightsail Dev Guide](#).

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

## Usage

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

## Arguments

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

**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**

<a href="#">allocate_static_ip</a>	Allocates a static IP address
<a href="#">attach_disk</a>	Attaches a block storage disk to a running or stopped Lightsail instance and
<a href="#">attach_instances_to_load_balancer</a>	Attaches one or more Lightsail instances to a load balancer
<a href="#">attach_load_balancer_tls_certificate</a>	Attaches a Transport Layer Security (TLS) certificate to your load balancer
<a href="#">attach_static_ip</a>	Attaches a static IP address to a specific Amazon Lightsail instance
<a href="#">close_instance_public_ports</a>	Closes ports for a specific Amazon Lightsail instance
<a href="#">copy_snapshot</a>	Copies a manual snapshot of an instance or disk as another manual snapshot
<a href="#">create_cloud_formation_stack</a>	Creates an AWS CloudFormation stack, which creates a new Amazon EC2
<a href="#">create_contact_method</a>	Creates an email or SMS text message contact method
<a href="#">create_disk</a>	Creates a block storage disk that can be attached to an Amazon Lightsail ins
<a href="#">create_disk_from_snapshot</a>	Creates a block storage disk from a manual or automatic snapshot of a disk
<a href="#">create_disk_snapshot</a>	Creates a snapshot of a block storage disk
<a href="#">create_domain</a>	Creates a domain resource for the specified domain (e
<a href="#">create_domain_entry</a>	Creates one of the following entry records associated with the domain: Add
<a href="#">create_instances</a>	Creates one or more Amazon Lightsail instances
<a href="#">create_instances_from_snapshot</a>	Creates one or more new instances from a manual or automatic snapshot of
<a href="#">create_instance_snapshot</a>	Creates a snapshot of a specific virtual private server, or <i>instance</i>
<a href="#">create_key_pair</a>	Creates an SSH key pair
<a href="#">create_load_balancer</a>	Creates a Lightsail load balancer
<a href="#">create_load_balancer_tls_certificate</a>	Creates a Lightsail load balancer TLS certificate
<a href="#">create_relational_database</a>	Creates a new database in Amazon Lightsail
<a href="#">create_relational_database_from_snapshot</a>	Creates a new database from an existing database snapshot in Amazon Ligh
<a href="#">create_relational_database_snapshot</a>	Creates a snapshot of your database in Amazon Lightsail
<a href="#">delete_alarm</a>	Deletes an alarm
<a href="#">delete_auto_snapshot</a>	Deletes an automatic snapshot of an instance or disk
<a href="#">delete_contact_method</a>	Deletes a contact method
<a href="#">delete_disk</a>	Deletes the specified block storage disk
<a href="#">delete_disk_snapshot</a>	Deletes the specified disk snapshot
<a href="#">delete_domain</a>	Deletes the specified domain recordset and all of its domain records
<a href="#">delete_domain_entry</a>	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 <i>instance</i> )
<code>delete_key_pair</code>	Deletes a specific SSH key pair
<code>delete_known_host_keys</code>	Deletes the known host key or certificate used by the Amazon Lightsail browser
<code>delete_load_balancer</code>	Deletes a Lightsail load balancer and all its associated SSL/TLS certificates
<code>delete_load_balancer_tls_certificate</code>	Deletes an SSL/TLS certificate associated with a Lightsail load balancer
<code>delete_relational_database</code>	Deletes a database in Amazon Lightsail
<code>delete_relational_database_snapshot</code>	Deletes a database snapshot in Amazon Lightsail
<code>detach_disk</code>	Detaches a stopped block storage disk from a Lightsail instance
<code>detach_instances_from_load_balancer</code>	Detaches the specified instances from a Lightsail load balancer
<code>detach_static_ip</code>	Detaches a static IP from the Amazon Lightsail instance to which it is attached
<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 Amazon S3
<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 <i>blueprints</i>
<code>get_bundles</code>	Returns the list of bundles that are available for purchase
<code>get_cloud_formation_stack_records</code>	Returns the CloudFormation stack record created as a result of the create operation
<code>get_contact_methods</code>	Returns information about the configured contact methods
<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_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, such as CPU usage
<code>get_instance_port_states</code>	Returns the firewall port states for a specific Amazon Lightsail instance, the <i>instance</i>
<code>get_instances</code>	Returns information about all Amazon Lightsail virtual private servers, or <i>instances</i>
<code>get_instance_snapshot</code>	Returns information about a specific instance snapshot
<code>get_instance_snapshots</code>	Returns all instance snapshots for the user's account
<code>get_instance_state</code>	Returns the state of a specific instance
<code>get_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., a virtual private server)
<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 database in Amazon Lightsail
<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 the user's default VPC
<code>open_instance_public_ports</code>	Opens ports for a specific Amazon Lightsail instance, and specifies the IP addresses to open
<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 addresses to open
<code>reboot_instance</code>	Restarts a specific instance
<code>reboot_relational_database</code>	Restarts a specific database in Amazon Lightsail
<code>release_static_ip</code>	Deletes a specific static IP from your account
<code>send_contact_method_verification</code>	Sends a verification request to an email contact method to ensure it's owned by you
<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_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.

## 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

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

## Examples

```

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

## End(Not run)

```

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