» spotinst_elastigroup_aws

Provides a Spotinst AWS group resource.

» Example Usage

```
# Create an Elastigroup
resource "spotinst_elastigroup_aws" "default-elastigroup" {
            = "default-elastigroup"
 description = "created by Terraform"
 product = "Linux/UNIX"
 max_size
                  = 0
                  = 0
 min_size
 desired_capacity = 0
 capacity_unit = "weight"
            = "us-west-2"
 region
 subnet_ids = ["sb-123456", "sb-456789"]
                      = "ami-a27d8fda"
  image_id
 iam_instance_profile = "iam-profile"
                      = "my-key.ssh"
 key_name
                   = ["sg-123456"]
 security_groups
                     = "echo hello world"
 user_data
 enable_monitoring = false
 ebs_optimized
                      = false
                   = raise
= "default"
 placement_tenancy
 instance_types_ondemand
                              = "m3.2xlarge"
                              = ["m3.xlarge", "m3.2xlarge"]
  instance_types_spot
 instance_types_preferred_spot = ["m3.xlarge"]
 instance_types_weights = [
   instance_type = "c3.large"
   weight
              = 10
 },
   instance_type = "c4.xlarge"
   weight
             = 16
 }]
```

```
= "balanced"
 orientation
fallback_to_ondemand = false
 scaling_up_policy {
  policy_name
                     = "Default Scaling Up Policy"
  metric_name
                     = "DefaultQueuesDepth"
  statistic
                     = "average"
                     = "none"
  unit
  adjustment
                     = 1
                     = "custom"
  namespace
  threshold
                     = 100
                     = 60
  period
  evaluation\_periods = 5
                     = 300
  cooldown
}
scaling_down_policy {
                    = "Default Scaling Down Policy"
  policy_name
                     = "DefaultQueuesDepth"
  metric_name
  statistic
                     = "average"
  unit
                     = "none"
  adjustment
                     = 1
                     = "custom"
  namespace
  threshold
                     = 10
                     = 60
  period
  evaluation_periods = 10
                    = 300
   cooldown
tags = [
   key = "Env"
   value = "production"
},
   key = "Name"
   value = "default-production"
},
   key = "Project"
   value = "app_v2"
}
]
lifecycle {
   ignore_changes = [
```

```
"desired_capacity",
]
}
```

» Argument Reference

The following arguments are supported:

- name (Required) The group name.
- description (Required) The group description.
- product (Required) Operation system type. Valid values: "Linux/UNIX", "SUSE Linux", "Windows". For EC2 Classic instances: "Linux/UNIX (Amazon VPC)", "SUSE Linux (Amazon VPC)", "Windows (Amazon VPC)".
- availability_zones (Optional) List of Strings of availability zones. Note: When this parameter is set, subnet_ids should be left unused.
- subnet_ids (Optional) List of Strings of subnet identifiers. Note: When this parameter is set, availability_zones should be left unused.
- region (Optional) The AWS region your group will be created in. Note:
 This parameter is required if you specify subnets (through subnet_ids).
 This parameter is optional if you specify Availability Zones (through availability_zones).
- preferred_availability_zones The AZs to prioritize when launching Spot instances. If no markets are available in the Preferred AZs, Spot instances are launched in the non-preferred AZs. Note: Must be a sublist of availability_zones and orientation value must not be "equalAzDistribution".
- max_size (Optional; Required if using scaling policies) The maximum number of instances the group should have at any time.
- min_size (Optional; Required if using scaling policies) The minimum number of instances the group should have at any time.
- desired_capacity (Optional) The desired number of instances the group should have at any time.
- capacity_unit (Optional, Default: "instance") The capacity unit to launch instances by. If not specified, when choosing the weight unit, each instance will weight as the number of its vCPUs.
- security_groups (Required) A list of associated security group IDS.
- image id (Optional) The ID of the AMI used to launch the instance.

- iam_instance_profile (Optional) The ARN or name of an IAM instance profile to associate with launched instances.
- key_name (Optional) The key name that should be used for the instance.
- enable_monitoring (Optional) Indicates whether monitoring is enabled for the instance.
- user_data (Optional) The user data to provide when launching the instance.
- shutdown_script (Optional) The Base64-encoded shutdown script that executes prior to instance termination, for more information please see: Shutdown Script
- ebs_optimized (Optional) Enable high bandwidth connectivity between instances and AWS's Elastic Block Store (EBS). For instance types that are EBS-optimized by default this parameter will be ignored.
- placement_tenancy (Optional) Enable dedicated tenancy. Note: There is a flat hourly fee for each region in which dedicated tenancy is used.
- instance_types_ondemand (Required) The type of instance determines your instance's CPU capacity, memory and storage (e.g., m1.small, c1.xlarge).
- instance_types_spot (Required) One or more instance types.
- instance_types_preferred_spot (Optional) Prioritize a subset of spot instance types. Must be a subset of the selected spot instance types.
- instance_types_weights (Optional) List of weights per instance type for weighted groups. Each object in the list should have the following attributes:
 - weight (Required) Weight per instance type (Integer).
 - instance type (Required) Name of instance type (String).
- fallback_to_ondemand (Required) In a case of no Spot instances available, Elastigroup will launch on-demand instances instead.
- orientation (Required, Default: "balanced") Select a prediction strategy. Valid values: "balanced", "costOriented", "equalAzDistribution", "availabilityOriented".
- spot_percentage (Optional; Required if not using ondemand_count) The percentage of Spot instances that would spin up from the desired_capacity number.
- ondemand_count (Optional; Required if not using spot_percentage) Number of on demand instances to launch in the group. All other instances will be spot instances. When this parameter is set the spot_percentage parameter is being ignored.

- draining_timeout (Optional) The time in seconds, the instance is allowed to run while detached from the ELB. This is to allow the instance time to be drained from incoming TCP connections before terminating it, during a scale down operation.
- utilize_reserved_instances (Optional) In a case of any available reserved instances, Elastigroup will utilize them first before purchasing Spot instances.
- health_check_type (Optional) The service that will perform health checks for the instance. Valid values: "ELB", "HCS", "TARGET_GROUP", "MLB", "EC2", "MULTAI_TARGET_SET", "MLB_RUNTIME", "K8S_NODE", "NOMAD_NODE", "ECS_CLUSTER_INSTANCE".
- health_check_grace_period (Optional) The amount of time, in seconds, after the instance has launched to starts and check its health.
- health_check_unhealthy_duration_before_replacement (Optional) The amount of time, in seconds, that we will wait before replacing an instance that is running and became unhealthy (this is only applicable for instances that were once healthy).
- tags (Optional) A key/value mapping of tags to assign to the resource.
- elastic_ips (Optional) A list of AWS Elastic IP allocation IDs to associate to the group instances.
- revert_to_spot (Optional) Hold settings for strategy correction replacing On-Demand for Spot instances. Supported Values: "never", "always", "timeWindow"
 - perform_at (Required) In the event of a fallback to On-Demand instances, select the time period to revert back to Spot. Supported Arguments always (default), timeWindow, never. For timeWindow or never to be valid the group must have availabilityOriented OR persistence defined.
 - time_windows (Optional) Specify a list of time windows for to execute revertToSpot strategy. Time window format: ddd:hh:mm-ddd:hh:mm. Example: Mon:03:00-Wed:02:30

» Load Balancers

- elastic_load_balancers (Optional) List of Elastic Load Balancers names (ELB).
- target_group_arns (Optional) List of Target Group ARNs to register the instances to.
- multai target sets (Optional) Set of targets to register.
 - target set id (Required) ID of Multai target set.
 - balancer_id (Required) ID of Multai Load Balancer.

```
elastic_load_balancers = ["bal5", "bal2"]
target_group_arns = ["tg-arn"]
multai_target_sets = [{
  target_set_id = "ts-123",
  balancer_id = "bal-123"
},
{
  target_set_id = "ts-234",
  balancer_id = "bal-234"
}]
```

» Signals

Each signal supports the following:

- name (Required) The name of the signal defined for the group. Valid Values: "INSTANCE_READY", "INSTANCE_READY_TO_SHUTDOWN"
- timeout (Optional) The signals defined timeout- default is 40 minutes (1800 seconds).

Usage:

```
signal = {
  name = "INSTANCE_READY_TO_SHUTDOWN"
  timeout = 100
}
```

» Scheduled Tasks

Each scheduled_task supports the following:

- task_type (Required) The task type to run. Supported task types are: "scale", "backup_ami", "roll", "scaleUp", "percentageScaleUp", "scaleDown", "percentageScaleDown", "statefulUpdateCapacity".
- cron_expression (Optional; Required if not using frequency) A valid cron expression. The cron is running in UTC time zone and is in Unix cron format.
- start_time (Optional; Format: ISO 8601) Set a start time for one time tasks.
- frequency (Optional; Required if not using cron_expression) The recurrence frequency to run this task. Supported values are "hourly", "daily", "weekly" and "continuous".
- scale_target_capacity (Optional) The desired number of instances the group should have.

- scale_min_capacity (Optional) The minimum number of instances the group should have.
- scale_max_capacity (Optional) The maximum number of instances the group should have.
- is_enabled (Optional, Default: false) Setting the task to being enabled or disabled. Valid values: true, false.
- target_capacity (Optional; Only valid for statefulUpdateCapacity)
 The desired number of instances the group should have.
- min_capacity (Optional; Only valid for statefulUpdateCapacity) The minimum number of instances the group should have.
- max_capacity (Optional; Only valid for statefulUpdateCapacity) The maximum number of instances the group should have.
- batch_size_percentage (Optional; Required when the task_type is "roll".) The percentage size of each batch in the scheduled deployment roll.
- grace_period (Optional) The period of time (seconds) to wait before checking a batch's health after it's deployment.

```
scheduled_task = [{
  task_type
                         = "backup_ami"
  cron_expression
  start_time
                         = "1970-01-01T01:00:00Z"
                         = "hourly"
  frequency
  scale_target_capacity = 5
  scale_min_capacity
  scale_max_capacity
                         = 10
  is enabled
                         = false
  target_capacity
                         = 5
  min_capacity
  max capacity
                         = 10
  batch_size_percentage = 33
  grace_period
                         = 300
}]
```

» Scaling Policies

Each scaling_*_policy supports the following:

- namespace (Required) The namespace for the alarm's associated metric.
- metric name (Required) The name of the metric, with or without spaces.
- threshold (Required) The value against which the specified statistic is compared.
- policy_name (Required) The name of the policy.

- statistic (Optional, Default: "average") The metric statistics to return. For information about specific statistics go to Statistics in the Amazon CloudWatch Developer Guide.
- unit (Required) The unit for the alarm's associated metric. Valid values: "percent, "seconds", "microseconds", "milliseconds", "bytes", "kilobytes", "megabytes", "gigabytes", "terabytes", "bits", "kilobits", "megabits", "gigabits", "terabits", "count", "bytes/second", "kilobytes/second", "megabytes/second", "gigabytes/second", "terabytes/second", "kilobits/second", "megabits/second", "gigabits/second", "terabits/second", "count/second", "none".
- period (Optional, Default: 300) The granularity, in seconds, of the returned datapoints. Period must be at least 60 seconds and must be a multiple of 60.
- evaluation_periods (Optional, Default: 1) The number of periods over which data is compared to the specified threshold.
- cooldown (Optional, Default: 300) The amount of time, in seconds, after a scaling activity completes and before the next scaling activity can start. If this parameter is not specified, the default cooldown period for the group applies.
- dimensions (Optional) A mapping of dimensions describing qualities of the metric.
- operator (Optional, Scale Up Default: gte, Scale Down Default: 1te)
 The operator to use in order to determine if the scaling policy is applicable.
 Valid values: "gt", "gte", "lt", "lte".
- source (Optional) The source of the metric. Valid values: "cloudWatch", "spectrum".
- action_type (Optional; if not using min_target_capacity or max_target_capacity) The type of action to perform for scaling. Valid values: "adjustment", "percentageAdjustment", "setMaxTarget", "setMinTarget", "updateCapacity".

If you do not specify an action type, you can only use — adjustment, minTargetCapacity, maxTargetCapacity. While using action_type, please also set the following:

When using adjustment – set the field adjustment When using percentageAdjustment – set the field adjustment When using setMaxTarget – set the field max_target_capacity When using setMinTarget – set the field min_target_capacity When using updateCapacity – set the fields minimum, maximum, and target

• adjustment - (Optional; if not using min_target_capacity or max_target_capacity;) The number of instances to add/remove

to/from the target capacity when scale is needed. Can be used as advanced expression for scaling of instances to add/remove to/from the target capacity when scale is needed. You can see more information here: Advanced expression. Example value: "MAX(currCapacity / 5, value * 10)"

- min_target_capacity (Optional; if not using adjustment; available only for scale up). The number of the desired target (and minimum) capacity
- max_target_capacity (Optional; if not using adjustment; available only for scale down). The number of the desired target (and maximum) capacity
- minimum (Optional; if using updateCapacity) The minimal number of instances to have in the group.
- maximum (Optional; if using updateCapacity) The maximal number of instances to have in the group.
- target (Optional; if using updateCapacity) The target number of instances to have in the group.

```
scaling_up_policy = [{
 policy_name = "policy-name"
 metric_name = "CPUUtilization"
 namespace = "AWS/EC2"
 source = ""
 statistic = "average"
            = ""
 unit
 cooldown
            = 60
 dimensions = {
     name = "name-1"
     value = "value-1"
 }
 threshold
                   = 10
                   = "gt"
 operator
 evaluation_periods = 10
 period
 // === MIN TARGET =========
 action_type
                    = "setMinTarget"
 min_target_capacity = 1
 // =============
```

```
// === ADJUSTMENT =========
 # action_type = "adjustment"
 # action_type = "percentageAdjustment"
 # adjustment = "MAX(5,10)"
  // ===============
  // === UPDATE CAPACITY ========
 # action_type = "updateCapacity"
 # minimum
 # maximum
              = 10
              = 5
 # target
  // ==========
}]
scaling_target_policy = [{
   policy name = ""
   metric_name = ""
   namespace
   source
   statistic
              = ""
   unit
   cooldown
              = 10
   target
   dimensions = [{
     name = ""
     value = ""
   }]
}]
```

» Network Interfaces

Each of the network_interface attributes controls a portion of the AWS Instance's "Elastic Network Interfaces". It's a good idea to familiarize yourself with AWS's Elastic Network Interfaces does to understand the implications of using these attributes.

- network_interface_id (Optional) The ID of the network interface.
- device_index (Required) The index of the device on the instance for the network interface attachment.
- description (Required) The description of the network interface.
- private_ip_address (Optional) The private IP address of the network interface.
- delete_on_termination (Optional) If set to true, the interface is deleted
 when the instance is terminated.

- secondary_private_ip_address_count (Optional) The number of secondary private IP addresses.
- associate_public_ip_address (Optional) Indicates whether to assign a public IP address to an instance you launch in a VPC. The public IP address can only be assigned to a network interface for eth0, and can only be assigned to a new network interface, not an existing one.

» Block Devices

Each of the *_block_device attributes controls a portion of the AWS Instance's "Block Device Mapping". It's a good idea to familiarize yourself with AWS's Block Device Mapping docs to understand the implications of using these attributes.

Each ebs_block_device supports the following:

- device name (Required) The name of the device to mount.
- snapshot_id (Optional) The Snapshot ID to mount.
- volume_type (Optional, Default: "standard") The type of volume. Can be "standard", "gp2", "io1", "st1" or "sc1".
- volume_size (Optional) The size of the volume in gigabytes.
- iops (Optional) The amount of provisioned IOPS. This must be set with a volume_type of "io1".
- delete_on_termination (Optional) Whether the volume should be destroyed on instance termination.
- encrypted (Optional) Enables EBS encryption on the volume.
- kms_key_id (Optional) ID for a user managed CMK under which the EBS Volume is encrypted

Modifying any ebs_block_device currently requires resource replacement.

```
= "gp2"
   volume_type
                          = 8
   volume_size
   iops
                          = 1
   delete_on_termination = true
   encrypted
                          = false
                          = "kms-key-01"
   kms_key_id
 },
 {
   device name
                          = "/dev/sdc"
   snapshot_id
   volume_type
                          = "gp2"
   volume_size
   iops
   delete on termination = true
   encrypted
                          = true
   kms_key_id
                          = "kms-key-02"
}]
```

Each ephemeral_block_device supports the following:

- device_name (Required) The name of the block device to mount on the instance.
- virtual_name (Required) The Instance Store Device Name (e.g. "ephemeral0").

Usage:

```
ephemeral_block_device = [{
  device_name = "/dev/xvdc"
  virtual_name = "ephemeral0"
}]
```

» Stateful

We support instance persistence via the following configurations. all values are boolean. For more information on instance persistence please see: Stateful configuration

- persist_root_device (Optional) Boolean, should the instance maintain its root device volumes.
- persist_block_devices (Optional) Boolean, should the instance maintain its Data volumes.
- persist_private_ip (Optional) Boolean, should the instance maintain its private IP.
- block_devices_mode (Optional) String, determine the way we attach the data volumes to the data devices, possible values: "reattach" and "onLaunch" (default is onLaunch).

• private_ips - (Optional) List of Private IPs to associate to the group instances.(e.g. "172.1.1.0"). Please note: This setting will only apply if persistence.persist_private_ip is set to true.

Usage:

```
persist_root_device = false
persist_block_devices = false
persist_private_ip = true
block_devices_mode = "onLaunch"
private_ips = ["1.1.1.1", "2.2.2.2"]
```

» Stateful Deallocation

- stateful_deallocation (Optional)
 - ${\tt should_delete_images}$ (Optional) For stateful groups: remove persistent images.
 - should_delete_network_interfaces (Optional) For stateful groups: remove network interfaces.
 - should_delete_volumes (Optional) For stateful groups: remove persistent volumes.
 - should_delete_snapshots (Optional) For stateful groups: remove snapshots.

Usage:

» Health Check

- health_check_type (Optional) The service that will perform health checks for the instance. Supported values : "ELB", "HCS", "TARGET_GROUP", "CUSTOM", "K8S_NODE", "MLB", "EC2", "MULTAI_TARGET_SET", "MLB_RUNTIME", "K8S_NODE", "NOMAD_NODE", "ECS_CLUSTER_INSTANCE".
- health_check_grace_period (Optional) The amount of time, in seconds, after the instance has launched to starts and check its health
- health_check_unhealthy_duration_before_replacement (Optional)

 The amount of time, in seconds, that we will wait before replacing an instance that is running and became unhealthy (this is only applicable for instances that were once healthy)

» Third-Party Integrations

- integration_rancher (Optional) Describes the Rancher integration.
 - master host (Required) The URL of the Rancher Master host.
 - access_key (Required) The access key of the Rancher API.
 - secret_key (Required) The secret key of the Rancher API.

Usage:

```
integration_rancher = {
  master_host = "master_host"
  access_key = "access_key"
  secret_key = "secret_key"
}
```

- integration_ecs (Optional) Describes the EC2 Container Service integration.
 - cluster_name (Required) The name of the EC2 Container Service cluster.
 - autoscale_is_enabled (Optional, Default: false) Specifies whether the auto scaling feature is enabled.
 - autoscale_cooldown (Optional, Default: 300) The amount of time, in seconds, after a scaling activity completes before any further trigger-related scaling activities can start.
 - autoscale_is_auto_config (Optional, Default: false) Enabling the automatic auto-scaler functionality. For more information please see: ECS auto scaler.
 - autoscale_headroom (Optional) Headroom for the cluster.
 - * cpu_per_unit (Optional, Default: 0) Cpu units for compute.
 - * memory_per_unit (Optional, Default: 0) RAM units for compute.
 - * num_of_units (Optional, Default: 0) Amount of units for compute.
 - autoscale_down (Optional) Enabling scale down.
 - * evaluation_periods (Optional, Default: 5) Amount of cooldown evaluation periods for scale down.
 - autoscale_attributes (Optional) A key/value mapping of tags to assign to the resource.

```
integration_ecs = {
  cluster_name
                       = "ecs-cluster"
  autoscale_is_enabled = false
  autoscale_cooldown
                       = 300
  autoscale_headroom = {
    cpu_per_unit
                    = 1024
   memory_per_unit = 512
    num of units
  }
  autoscale_down = {
    evaluation_periods = 300
  }
  autoscale_attributes = [{
   key = "test.ecs.key"
    value = "test.ecs.value"
  }]
}
```

- integration_codedeploy (Optional) Describes the Code Deploy integration.
 - cleanup_on_failure (Optional) Cleanup automatically after a failed deploy.
 - terminate_instance_on_failure (Optional) Terminate the instance automatically after a failed deploy.
 - deployment_groups (Optional) Specify the deployment groups details.
 - * application_name (Optional) The application name.
 - * deployment_group_name (Optional) The deployment group name.

- integration_route53 (Optional) Describes the Route53 integration.
 - domains (Required) Collection of one or more domains to register.

- * hosted_zone_id (Required) The id associated with a hosted zone
- * record_sets (Required) Collection of records containing authoritative DNS information for the specified domain name.
 - · name (Required) The record set name.
 - · use_public_ip (Optional, Default: false) Designates if the IP address should be exposed to connections outside the VPC.

```
integration_route53 = {
  domains = {
    hosted_zone_id = "zone-id"

    record_sets = {
       name = "foo.example.com"
       use_public_ip = true
    }
  }
}
```

- integration_docker_swarm (Optional) Describes the Docker Swarm integration.
 - master_host (Required) IP or FQDN of one of your swarm managers.
 - master port (Required) Network port used by your swarm.
 - autoscale_is_enabled (Optional, Default: false) Specifies whether the auto scaling feature is enabled.
 - autoscale_cooldown (Optional, Default: 300) The amount of time, in seconds, after a scaling activity completes before any further trigger-related scaling activities can start. Minimum 180, must be a multiple of 60.
 - autoscale_headroom (Optional) An option to set compute reserve for the cluster.
 - * cpu_per_unit (Optional, Default: 0) How much CPU to allocate for headroom unit.
 - * memory_per_unit (Optional, Default: 0) The amount of memory in each headroom unit. Measured in MiB.
 - * num_of_units (Optional, Default: 0) How many units to allocate for headroom unit.
 - autoscale_down (Optional) Setting for scale down actions.
 - * evaluation_periods (Optional, Default: 5) Number of periods over which data is compared. Minimum 3, Measured in consecutive minutes.

```
integration_docker_swarm = {
    master_host
                         = "10.10.10.10"
    master_port
                         = 2376
    autoscale_is_enabled = true
    autoscale_cooldown
    autoscale_headroom = {
        cpu_per_unit
                         = 2048
        memory_per_unit = 2048
        num_of_units
    }
    autoscale_down = {
        evaluation periods = 3
    }
}
```

- integration_kubernetes (Optional) Describes the Kubernetes integration.
 - integration_mode (Required) Valid values: "saas", "pod".
 - cluster_identifier (Required; if using integration_mode as pod)
 - api_server (Required; if using integration mode as saas)
 - token (Required; if using integration_mode as saas) Kubernetes Token
 - autoscale_is_enabled (Optional, Default: false) Specifies whether the auto scaling feature is enabled.
 - autoscale_is_auto_config (Optional, Default: false) Enabling the automatic k8s auto-scaler functionality. For more information please see: Kubernetes auto scaler.
 - autoscale_cooldown (Optional, Default: 300) The amount of time, in seconds, after a scaling activity completes before any further trigger-related scaling activities can start.
 - autoscale_headroom (Optional) An option to set compute reserve for the cluster.
 - * cpu_per_unit (Optional, Default: 0) How much CPU to allocate for headroom unit.
 - * memory_per_unit (Optional, Default: 0) How much Memory allocate for headroom unit.
 - * num_of_units (Optional, Default: 0) How many units to allocate for headroom unit.
 - autoscale_down (Optional) Setting for scale down actions.
 - * evaluation_periods (Optional, Default: 5) How many evaluation periods should accumulate before a scale down action takes place.
 - autoscale_labels (Optional) A key/value mapping of tags to assign to the resource.

```
integration_kubernetes = {
  integration_mode = "pod"
  cluster_identifier = "my-identifier.ek8s.com"
  // === SAAS =========
  # integration_mode = "saas"
                = "https://api.my-identifier.ek8s.com/api/v1/namespaces/kube-system/s
 # api server
 # token
                    = "top-secret"
  // ===========
  autoscale_is_enabled
                         = false
  autoscale_is_auto_config = false
 autoscale_cooldown
  autoscale_headroom = {
                 = 1024
   cpu_per_unit
   memory_per_unit = 512
   num_of_units
 autoscale_down = {
    evaluation_periods = 300
  autoscale_labels = [{
   key = "test.k8s.key"
   value = "test.k8s.value"
 }]
}
```

- integration_nomad (Optional) Describes the Nomad integration.
 - master_host (Required) The URL for the Nomad master host.
 - master_port (Required) The network port for the master host.
 - acl_token (Required) Nomad ACL Token
 - autoscale_is_enabled (Optional, Default: false) Specifies whether the auto scaling feature is enabled.
 - autoscale_cooldown (Optional, Default: 300) The amount of time, in seconds, after a scaling activity completes before any further trigger-related scaling activities can start.
 - autoscale_headroom (Optional) An option to set compute reserve for the cluster.
 - * cpu_per_unit (Optional, Default: 0) How much CPU (MHz) to allocate for headroom unit.
 - * memory_per_unit (Optional, Default: 0) How much Memory

- allocate for headroom unit.
- * num_of_units (Optional, Default: 0) How many units of headroom to allocate.
- autoscale_down (Optional) Settings for scale down actions.
 - * evaluation_periods (Optional, Default: 5) How many evaluation periods should accumulate before a scale down action takes place.
- autoscale_constraints (Optional) A key/value mapping of tags to assign to the resource.

```
integration_nomad = {
 master_host
                     = "my-nomad-host"
 master port
                     = 9000
  acl_token = "top-secret"
  autoscale_is_enabled = false
  autoscale_cooldown
  autoscale_headroom = {
                 = 1024
   cpu_per_unit
   memory_per_unit = 512
   num_of_units
  }
  autoscale_down = {
   evaluation_periods = 300
  autoscale_constraints = [{
   key = "test.nomad.key"
   value = "test.nomad.value"
  }]
}
```

- integration_mesosphere (Optional) Describes the Mesosphere integration.
 - api_server (Optional) The public IP of the DC/OS Master.

```
integration_mesosphere = {
  api_server = ""
}
```

- integration_multai_runtime (Optional) Describes the Multai Runtime integration.
 - deployment_id (Optional) The deployment id you want to get

```
integration_multai_runtime = {
  deployment_id = ""
}
```

- integration_gitlab (Optional) Describes the Gitlab integration.
 - runner (Optional) Settings for Gitlab runner.
 - * is_enabled (Optional, Default: false) Specifies whether the integration is enabled.

Usage:

```
integration_gitlab = {
  runner = {
    is_enabled = true
  }
}
```

» Update Policy

- update_policy (Optional)
 - should_resume_stateful (Required) This will apply resuming action for Stateful instances in the Elastigroup upon scale up or capacity changes. Example usage will be for Elastigroups that will have scheduling rules to set a target capacity of 0 instances in the night and automatically restore the same state of the instances in the morning.
 - should roll (Required) Sets the enablement of the roll option.
 - roll_config (Required) While used, you can control whether the group should perform a deployment after an update to the configuration.
 - * batch_size_percentage (Required) Sets the percentage of the instances to deploy in each batch.
 - * health_check_type (Optional) Sets the health check type to use. Valid values: "EC2", "ECS_CLUSTER_INSTANCE", "ELB", "HCS", "MLB", "TARGET_GROUP", "MULTAI_TARGET_SET", "NONE".
 - * grace_period (Optional) Sets the grace period for new instances to become healthy.

```
update_policy = {
  should_resume_stateful = false
  should_roll = false

roll_config = {
  batch size percentage = 33
```

```
health_check_type = "ELB"
grace_period = 300
}
```

» Attributes Reference

The following attributes are exported:

• id - The group ID.

» spotinst_subscription

Provides a Spotinst subscription resource.

» Example Usage

```
# Create a Subscription
resource "spotinst_subscription" "default-subscription" {
 resource_id = "${spotinst_elastigroup_aws.my-eg.id}"
  event_type = "AWS_EC2_INSTANCE_LAUNCH"
 protocol
           = "http"
             = "http://endpoint.com"
  endpoint
  format = {
    event
                 = "%event%"
   instance_id = "%instance-id%"
   resource_id = "%resource-id%"
   resource_name = "%resource-name%"
                 = "foo,baz,baz"
    tags
}
```

» Argument Reference

The following arguments are supported:

- resource_id (Required) Spotinst Resource ID (Elastigroup ID).
- event_type (Required) The event to send the notification when triggered. Valid values: "AWS_EC2_INSTANCE_TERMINATE", "AWS_EC2_INSTANCE_TERMINATED", "AWS_EC2_INSTANCE_LAUNCH", "AWS_EC2_INSTANCE_UNHEALTHY_IN_ELB",

- "GROUP_ROLL_FAILED", "GROUP_ROLL_FINISHED", "CANT_SCALE_UP_GROUP_MAX_CAPACITY", "GROUP_UPDATED", "AWS_EC2_CANT_SPIN_OD", "AWS_EMR_PROVISION_TIMEOUT", "AWS_EC2_INSTANCE_READY_SIGNAL_TIMEOUT".
- protocol (Required) The protocol to send the notification. Valid values: "http", "https", "email", "email-json", "aws-sns".
- endpoint (Required) The endpoint the notification will be sent to: url in case of "http"/"https", email address in case of "email"/"email-json", sns-topic-arn in case of "aws-sns".
- format (Optional) The format of the notification content (JSON Format Key+Value). Valid values: "%instance-id%", "%event%", "%resource-id%", "%resource-name%".

» Attributes Reference

The following attributes are exported:

• id - The subscription ID.