

Blue/Green Deployment - Updating Auto Scaling Group's Launch Configuration

Lets create two launch configurations v1-LCG and v2-LCG

1. Choose AMI 2. Choose Instance Type 3. Configure details 4. Add Storage 5. Configure Security Group 6. Review

Create Launch Configuration

Name

Purchasing option ☐ Request Spot Instances

IAM role

Monitoring ☐ Enable CloudWatch detailed monitoring [Learn more](#)

Advanced Details

Kernel ID

RAM Disk ID

User data ☒ As text ☐ As file ☐ Input is already base64 encoded

```
#/bin/bash
yum update -y
yum install httpd -y
echo "<h1 align='center'>V1</h1>" > /var/www/html/index.html
service httpd start
chkconfig httpd on
```

IP Address Type ☒ Only assign a public IP address to instances launched in the default VPC and subnet. (default)
☐ Assign a public IP address to every instance.
☐ Do not assign a public IP address to any instances.
Note: this option only affects instances launched into an Amazon VPC

[Cancel](#) [Previous](#) [Skip to review](#) [Next: Add Storage](#)

Create launch configuration Create Auto Scaling group Copy to launch template Actions

Filter:

Name	AMI ID	Instance Type	Spot Price	Creation Time
v1-LCG	ami-013be31976ca2c322	t2.micro		November 10, 2018 at 9:37:28 ...

Launch Configuration: v1-LCG

Details

AMI ID: ami-013be31976ca2c322

IAM Instance Profile: sysops

EBS Optimized: false

Spot Price: false

RAM Disk ID: /dev/xvda

User data: [View User data](#)

Instance Type: t2.micro

Kernel ID: false

Monitoring: false

Security Groups: sg-9446a7df

Creation Time: Sat Nov 10 21:37:28 GMT+530 2018

Block Devices: /dev/xvda

IP Address Type: Only assign a public IP address to instances launched in the default VPC and subnet. (default)

[Copy launch configuration](#)

Next Lets copy the v1-LCG to create v2-LCG launch configuration, we will change the UserData for v2-LCG

Copy Launch Configuration from v1-LCG

Name ⓘ

v2-LCG

Purchasing option ⓘ

☐ Request Spot Instances

IAM role ⓘ

None

Monitoring ⓘ

☐ Enable CloudWatch detailed monitoring
[Learn more](#)

▼ Advanced Details

Kernel ID ⓘ

Use default

RAM Disk ID ⓘ

Use default

User data ⓘ

☒ As text ☐ As file ☐ Input is already base64 encoded

```
#!/bin/bash
yum update -y
yum install httpd -y
echo "<h1 align='center'>V2</h1>" > /var/www/html/index.html
service httpd start
chkconfig httpd on
```

IP Address Type ⓘ

☒ Only assign a public IP address to instances launched in the default VPC and subnet. (default)

Cancel

Previous

Skip to review

Next: Add Storage

Create launch configuration Create Auto Scaling group Copy to launch template Actions

Filter:

1 to 2 of 2 Launch Configurations

<input type="checkbox"/>	Name	AMI ID	Instance Type	Spot Price	Creation Time
<input checked="" type="checkbox"/>	v2-LCG	ami-013be31976ca2c322	t2.micro		November 10, 2018 at 9:40:44 ...
<input type="checkbox"/>	v1-LCG	ami-013be31976ca2c322	t2.micro		November 10, 2018 at 9:37:28 ...

Launch Configuration: v2-LCG

Details

AMI ID

ami-013be31976ca2c322

IAM Instance Profile

Key Name

sysops

EBS Optimized

false

Spot Price

RAM Disk ID

User data

[View User data](#)

Instance Type

t2.micro

Kernel ID

Monitoring

false

Security Groups

sg-9446a7df

Creation Time

Sat Nov 10 21:40:44 GMT+530 2018

Block Devices

[/dev/xvda](#)

IP Address Type

Only assign a public IP address to instances launched in the default VPC and subnet. (default)

Copy launch configuration

Next lets create the Classic Load Balancer blue-green-ELB

1. Define Load Balancer 2. Assign Security Groups 3. Configure Security Settings 4. Configure Health Check 5. Add EC2 Instances 6. Add Tags 7. Review

Step 1: Define Load Balancer

Basic Configuration

This wizard will walk you through setting up a new load balancer. Begin by giving your new load balancer a unique name so that you can identify it from other load balancers you might create. You will also need to configure ports and protocols for your load balancer. Traffic from your clients can be routed from any load balancer port to any port on your EC2 instances. By default, we've configured your load balancer with a standard web server on port 80.

Load Balancer name:

Create LB Inside:

Create an internal load balancer: ☐ [\(what's this?\)](#)

Enable advanced VPC configuration: ☐

Listener Configuration:

Load Balancer Protocol	Load Balancer Port	Instance Protocol	Instance Port
<input type="text" value="HTTP"/>	<input type="text" value="80"/>	<input type="text" value="HTTP"/>	<input type="text" value="80"/>

1. Define Load Balancer 2. Assign Security Groups 3. Configure Security Settings 4. Configure Health Check 5. Add EC2 Instances 6. Add Tags 7. Review

Step 4: Configure Health Check

Your load balancer will automatically perform health checks on your EC2 instances and only route traffic to instances that pass the health check. If an instance fails the health check, it is automatically removed from the load balancer. Customize the health check to meet your specific needs.

Ping Protocol:

Ping Port:

Ping Path:

Advanced Details

Response Timeout: seconds

Interval: seconds

Unhealthy threshold:

Healthy threshold:

Create Load Balancer Actions

Filter by tags and attributes or search by keyword

Name	DNS name	State	VPC ID	Availability Zones
blue-green-ELB	blue-green-ELB-765134130.us-east-1.elb.amazonaws.com		vpc-2a011251	us-east-1a, us-east-1b, us-east-1c

Load balancer: blue-green-ELB

Description Instances Health Check Listeners Monitoring Tags Migration

Basic Configuration

Name:	blue-green-ELB	Creation time:	November 10, 2018 at 10:17:27 PM UTC+5:30
* DNS name:	blue-green-ELB-765134130.us-east-1.elb.amazonaws.com (A Record)	Hosted zone:	Z35SXDOTRQ7X7K
Type:	Classic (Migrate Now)	Status:	0 of 0 instances in service
Scheme:	internet-facing	VPC:	vpc-2a011251
Availability Zones:	subnet-09e00037 - us-east-1e, subnet-3707627d - us-east-1d, subnet-732ef82f - us-east-1a, subnet-88be2187 - us-east-1f, subnet-b004d7d7 - us-east-1b, subnet-d070a0fe - us-east-1c		

Next lets create the Auto Scaling group blue-green-ASG using v1-LCG launch configuration, and attach the blue-green-ELB to that auto scaling group with health check type set to ELB and desired capacity to 2 for auto scaling group.

Create Auto Scaling Group

[Cancel and Exit](#)

Complete this wizard to create your Auto Scaling group. First, choose either a launch configuration or a launch template to specify the parameters that your Auto Scaling group uses to launch instances.

Launch Configuration

You can continue to use your launch configurations if they support the Amazon EC2 features you need. [Learn more](#)

Launch Template New

Launch templates give you the option of launching one type of instance, or a combination of instance types and purchase options. Launch templates include the latest Amazon EC2 features and can be updated and versioned. [Learn more](#)

[Create new launch template](#)

- ☐ Create a new launch configuration
- ☒ Use an existing launch configuration

Filter launch configurations...					< 1 to 2 of 2 Launch Configurations >	
Name	AMI ID	Instance Type	Spot Price	Security Groups		
<input type="checkbox"/> v2-LCG	ami-013be31976ca2c322	t2.micro		sg-9446a7df		
<input checked="" type="checkbox"/> v1-LCG	ami-013be31976ca2c322	t2.micro		sg-9446a7df		

[Cancel](#) [Next Step](#)

1. Configure Auto Scaling group details
2. Configure scaling policies
3. Configure Notifications
4. Configure Tags
5. Review

Create Auto Scaling Group

[Cancel and Exit](#)

Group name

Launch Configuration

Group size Start with instances

Network [Create new VPC](#)

Subnet [Create new subnet](#)

Each instance in this Auto Scaling group will be assigned a public IP address.

Advanced Details

Load Balancing ☒ Receive traffic from one or more load balancers [Learn about Elastic Load Balancing](#)

Classic Load Balancers

Target Groups

Health Check Type ☒ ELB ☐ EC2

Health Check Grace Period seconds

[Cancel](#) [Next: Configure scaling policies](#)

Create Auto Scaling group Actions

Filter:

1 to 1 of 1 Auto Scaling Groups

Name	Launch Configuration	Instances	Desired	Min	Max	Availability Zones	Default Cooldown	Health Check Grace
blue-green-ASG	v1-LCG	2	2	2	2	us-east-1a, us-east-1b	300	300

Auto Scaling Group: blue-green-ASG

Details Activity History Scaling Policies Instances Monitoring Notifications Tags Scheduled Actions Lifecycle Hooks

Filter: Any Status

1 to 2 of 2 History Items

Status	Description	Start Time	End Time
Successful	Launching a new EC2 instance: i-002b654c471cbdc3b	2018 November 10 22:22:21 UTC+5:30	2018 November 10 22:22:56 UTC+5:30
Successful	Launching a new EC2 instance: i-09e746c76376dacf1	2018 November 10 22:22:20 UTC+5:30	2018 November 10 22:22:54 UTC+5:30

Create Load Balancer Actions

Filter by tags and attributes or search by keyword

1 to 1 of 1

Name	DNS name	State	VPC ID	Availability Zones	Type
blue-green-ELB	blue-green-ELB-765134130.us-east-1.elb.amazonaws.com		vpc-2a011251	us-east-1a, us-east-1b, us-east-1...	classic

Load balancer: blue-green-ELB

Description Instances Health Check Listeners Monitoring Tags Migration

Connection Draining: Enabled, 300 seconds (Edit)

Edit Instances

Instance ID	Name	Availability Zone	Status	Actions
i-002b654c471cbdc3b	blue-green-ASG	us-east-1b	InService	Remove from Load Balancer
i-09e746c76376dacf1	blue-green-ASG	us-east-1a	InService	Remove from Load Balancer

Edit Availability Zones

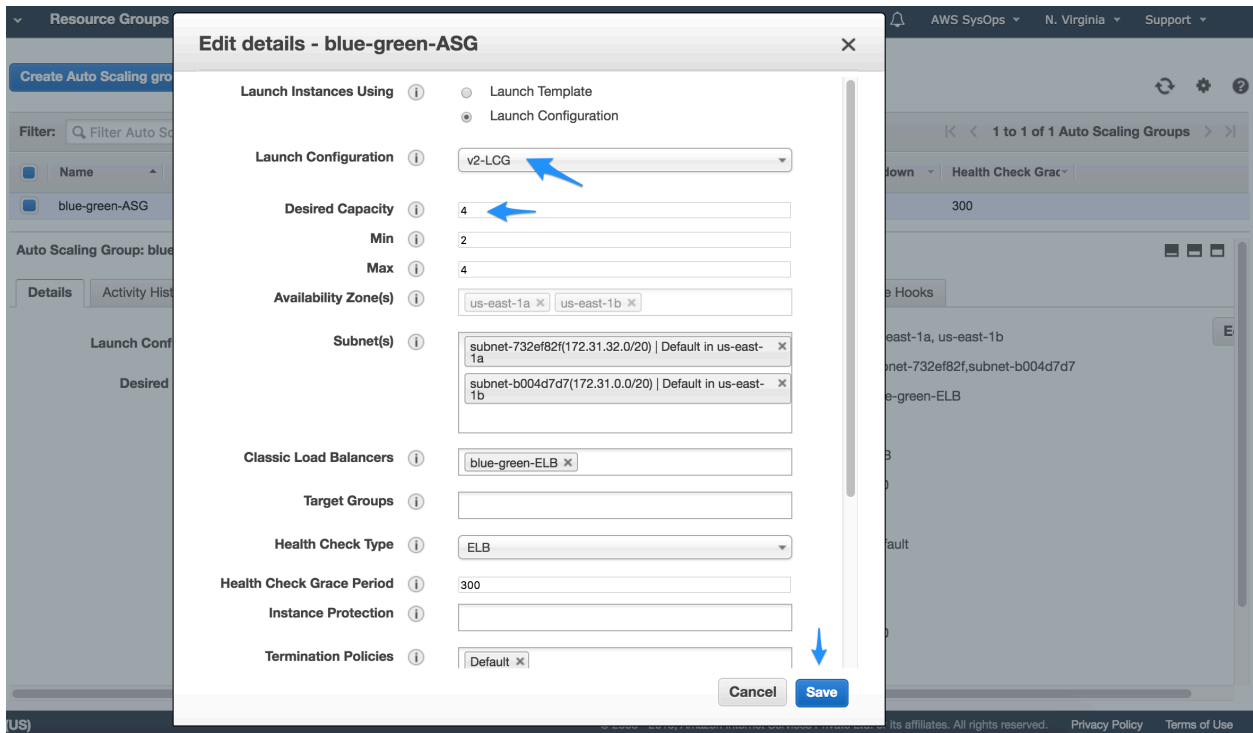
Availability Zone	Subnet ID	Subnet CIDR	Instance Count	Healthy?	Actions
us-east-1a	subnet-732ef82f	172.31.32.0/20	1	Yes	Remove from Load Balancer
us-east-1b	subnet-b004d7d7	172.31.0.0/20	1	Yes	Remove from Load Balancer
us-east-1c	subnet-d070a0fe	172.31.80.0/20	0	No (Availability Zone contains no healthy targets)	Remove from Load Balancer

blue-green-elb-765134130.us-east-1 X +

blue-green-elb-765134130.us-east-1.elb.amazonaws.com

V1

Next we are going to update the blue-green-ASG by attaching the v2-LCG to the auto scaling group and set the desired capacity for the blue-green-ASG to 4. This will result in launching 2 new Instances with the v2-LCG launch configuration.



Create Auto Scaling group Actions

Filter: Filter Auto Scaling groups... 1 to 1 of 1 Auto Scaling Groups

Name	Launch Configuration	Instances	Desired	Min	Max	Availability Zones	Default Cooldown	Health Check Grace Period
blue-green-ASG	v2-LCG	4	4	2	4	us-east-1a, us-east-1b	300	300

Auto Scaling Group: blue-green-ASG

Details Activity History Scaling Policies Instances Monitoring Notifications Tags Scheduled Actions Lifecycle Hooks

Actions

Filter: Any Health Status Any Lifecycle State Filter instances... 1 to 4 of 4 Instances

Instance ID	Lifecycle	Launch Configuration / Template	Availability Zone	Health Status	Protected from
i-0649f423bea5273ed	InService	v2-LCG	us-east-1a	Healthy	
i-0a5ee2cfd8b33aebd	InService	v2-LCG	us-east-1b	Healthy	
i-002b654c471cbdc3b	InService	v1-LCG	us-east-1b	Healthy	
i-09e746c76376dacf1	InService	v1-LCG	us-east-1a	Healthy	

Create Load Balancer Actions

Filter by tags and attributes or search by keyword

Name	DNS name	State	VPC ID	Availability Zones	Type
blue-green-ELB	blue-green-ELB-765134130.us-east-1.elb.amazonaws.com		vpc-2a011251	us-east-1a, us-east-1b, us-east-1...	classic

Load balancer: blue-green-ELB

Description Instances Health Check Listeners Monitoring Tags Migration

Connection Draining: Enabled, 300 seconds (Edit)

Edit Instances

Instance ID	Name	Availability Zone	Status	Actions
i-002b654c471cbdc3b	blue-green-ASG	us-east-1b	InService	Remove from Load Balancer
i-0a5ee2cd8b33aebd	blue-green-ASG	us-east-1b	InService	Remove from Load Balancer
i-09e746c76376dacf1	blue-green-ASG	us-east-1a	InService	Remove from Load Balancer
i-0649f423bea5273ed	blue-green-ASG	us-east-1a	InService	Remove from Load Balancer

Edit Availability Zones

Availability Zone	Subnet ID	Subnet CIDR	Instance Count	Healthy?	Actions
us-east-1a	subnet-732ef82f	172.31.32.0/20	2	Yes	Remove from Load Balancer
us-east-1b	subnet-b004d7d7	172.31.0.0/20	2	Yes	Remove from Load Balancer
us-east-1c	subnet-d070a0fe	172.31.80.0/20	0	No (Availability Zone contains no healthy targets)	Remove from Load Balancer

```
INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V2</h1>
INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V1</h1>
INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V1</h1>
INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V2</h1>
INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V2</h1>
INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V1</h1>
INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V1</h1>
INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V2</h1>
INBL2-42RG3QD:~ mahtab.alam$
```

Currently we have 2 Instances from the v1-LCG and 2 Instances from v2-LCG launch configuration registered under load balancer as InService and are serving traffic.

Now lets put the 2 Instances from v1-LCG into Standby state, this will decrease the autoscaling group's desired capacity to 2 automatically and also remove those 2 Instances from v1-LCG from the load balancer.

Create Auto Scaling group Actions

Filter: Filter Auto Scaling groups...

Name	Launch Configuration / Template	Instances	Desired
blue-green-ASG	v2-LCG	4	4

Auto Scaling Group: blue-green-ASG

Details Activity History Scaling Policies Instances Monitoring

Actions

Set to Standby

Proceeding with this action will:

- Remove these instances from the Elastic Load Balancers associated with Auto Scaling group blue-green-ASG
- Increases the load on other instances in Auto Scaling group blue-green-ASG as no traffic will be routed to these instances from the load balancer

☐ Add new instances to the Auto Scaling group to balance the load

Are you sure you want to set these instances to Standby?

- i-002b654c471cbdc3b
- i-09e746c76376dacf1

Cancel Set to Standby

Filter: Any Health Status Any Lifecycle State Filter instances...

Instance ID	Lifecycle	Launch Configuration / Template	Availability Zone	Health Status	Protected from
i-002b654c471cbdc3b	InService	v1-LCG	us-east-1b	Healthy	
i-09e746c76376dacf1	InService	v1-LCG	us-east-1a	Healthy	
i-0649f423bea5273ed	InService	v2-LCG	us-east-1a	Healthy	
i-0a5ee2cfd8b33aebd	InService	v2-LCG	us-east-1b	Healthy	

Create Auto Scaling group Actions

Note that instances from v1-LCG are moved to Standby state and as a result of that the desired capacity for the auto scaling group is automatically decreased by 2

Filter: Filter Auto Scaling groups... 1 to 1 of 1 Auto Scaling Groups

Name	Launch Configuration / Template	Instances	Desired	Min	Max	Availability Zones	Default Cooldown	Health Check Grace
blue-green-ASG	v2-LCG	4	2	2	4	us-east-1a, us-east-1b	300	300

Auto Scaling Group: blue-green-ASG

Details Activity History Scaling Policies Instances Monitoring Notifications Tags Scheduled Actions Lifecycle Hooks

Actions

Filter: Any Health Status Any Lifecycle State Filter instances... 1 to 4 of 4 Instances

Instance ID	Lifecycle	Launch Configuration / Template	Availability Zone	Health Status	Protected from
i-0649f423bea5273ed	InService	v2-LCG	us-east-1a	Healthy	
i-0a5ee2cfd8b33aebd	InService	v2-LCG	us-east-1b	Healthy	
i-002b654c471cbdc3b	Standby	v1-LCG	us-east-1b	Healthy	
i-09e746c76376dacf1	Standby	v1-LCG	us-east-1a	Healthy	

Create Load Balancer Actions

Filter by tags and attributes or search by keyword

1 to 1 of 1

Name	DNS name	State	VPC ID	Availability Zones	Type
blue-green-ELB	blue-green-ELB-765134130.us-east-1.elb.amazonaws.com		vpc-2a011251	us-east-1a, us-east-1b, us-east-1...	classic

Load balancer: blue-green-ELB

Description Instances Health Check Listeners Monitoring Tags Migration

Connection Draining: Enabled, 300 seconds (Edit)

Edit Instances

Instance ID	Name	Availability Zone	Status	Actions
i-0a5ee2cfd8b33aebd	blue-green-ASG	us-east-1b	InService	Remove from Load Balancer
i-0649f423bea5273ed	blue-green-ASG	us-east-1a	InService	Remove from Load Balancer

Edit Availability Zones

Availability Zone	Subnet ID	Subnet CIDR	Instance Count	Healthy?	Actions
us-east-1a	subnet-732ef82f	172.31.32.0/20	1	Yes	Remove from Load Balancer
us-east-1b	subnet-b004d7d7	172.31.0.0/20	1	Yes	Remove from Load Balancer

```
INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V2</h1>
INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V2</h1>
INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V2</h1>
INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V2</h1>
INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V2</h1>
INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V2</h1>
INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V2</h1>
INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V2</h1>
INBL2-42RG3QD:~ mahtab.alam$
```

Now If we want to rollback the deployment we can update the blue-green-ASG to use v1-LCG and then put the Standby Instances back to InService and lastly detach the Instances from v2-LCG. So lets rollback

Edit details - blue-green-ASG

Launch Instances Using *i*

- ☐ Launch Template
- ☒ Launch Configuration

Launch Configuration *i* v1-LCG

Desired Capacity *i* 2

Min *i* 2

Max *i* 4

Availability Zone(s) *i* us-east-1a x us-east-1b x

Subnet(s) *i*

- subnet-732ef82f(172.31.32.0/20) | Default in us-east-1a x
- subnet-b004d7d7(172.31.0.0/20) | Default in us-east-1b x

Classic Load Balancers *i* blue-green-ELB x

Target Groups *i*

Health Check Type *i* ELB

Health Check Grace Period *i* 300

Instance Protection *i*

Termination Policies *i* Default x

Cancel Save

Set to InService

Proceeding with this action will:

- Remove these instances from the Standby state
- Add these instances to the Elastic Load Balancers associated with Auto Scaling group blue-green-ASG

Are you sure you want to set these instances to InService?

- i-002b654c471cbdc3b
- i-09e746c76376dacf1

Cancel Set to InService

Instance ID	State	Launch Configuration	Availability Zones	Health Status
i-0649f423bea5273ed	InService	v2-LCG	us-east-1a	Healthy
i-0a5ee2cfd8b33aebd	InService	v2-LCG	us-east-1b	Healthy
i-002b654c471cbdc3b	Standby	v1-LCG	us-east-1b	Healthy
i-09e746c76376dacf1	Standby	v1-LCG	us-east-1a	Healthy

Create Auto Scaling group **Actions** ↻ ⚙️ ?

Filter: 1 to 1 of 1 Auto Scaling Groups

<input type="checkbox"/>	Name	Launch Configuration /	Instances	Desired	Min	Max	Availability Zones	Default Cooldown	Health Check Grace
<input checked="" type="checkbox"/>	blue-green-ASG	v1-LCG	4	4	2	4	us-east-1a, us-east-1b	300	300

Note that as we put the Standby Instances back to InService, desired capacity was automatically increased

Auto Scaling Group: blue-green-ASG ⌵ ⌶ ⌷

Details **Activity History** **Scaling Policies** **Instances** **Monitoring** **Notifications** **Tags** **Scheduled Actions** **Lifecycle Hooks**

Actions ↻

Filter: **Any Health Status** **Any Lifecycle State** 1 to 4 of 4 Instances

<input type="checkbox"/>	Instance ID	Lifecycle	Launch Configuration / Template	Availability Zone	Health Status	Protected from
<input type="checkbox"/>	i-0649f423bea5273ed	InService	v2-LCG	us-east-1a	Healthy	
<input type="checkbox"/>	i-0a5ee2cfd8b33aebd	InService	v2-LCG	us-east-1b	Healthy	
<input type="checkbox"/>	i-002b654c471cbdc3b	InService	v1-LCG	us-east-1b	Healthy	
<input type="checkbox"/>	i-09e746c76376dacf1	InService	v1-LCG	us-east-1a	Healthy	

Next we are going to detach the Instances with the v2-LCG launch configuration, detaching the Instances from the auto scaling group will automatically decrement the desired capacity of the auto scaling group.

Create Auto Scaling group **Actions** ↻ ⚙️ ?

Filter: 1 to 1 of 1 Auto Scaling Groups

<input type="checkbox"/>	Name	Launch Configuration /	Instances	Desired	Min	Max	Availability Zones	Default Cooldown	Health Check Grace
<input checked="" type="checkbox"/>	blue-green-ASG	v1-LCG	4	4	2	4	us-east-1a, us-east-1b	300	300

Auto Scaling Group: blue-green-ASG ⌵ ⌶ ⌷

Details **Activity History** **Scaling Policies** **Instances** **Monitoring**

Actions ↻

Filter: **Any Health Status** **Any Lifecycle State** 1 to 4 of 4 Instances

<input type="checkbox"/>	Instance ID	Lifecycle	Launch Configuration / Template	Availability Zone	Health Status	Protected from
<input type="checkbox"/>	i-002b654c471cbdc3b	InService	v1-LCG	us-east-1b	Healthy	
<input type="checkbox"/>	i-09e746c76376dacf1	InService	v1-LCG	us-east-1a	Healthy	
<input checked="" type="checkbox"/>	i-0649f423bea5273ed	InService	v2-LCG	us-east-1a	Healthy	
<input checked="" type="checkbox"/>	i-0a5ee2cfd8b33aebd	InService	v2-LCG	us-east-1b	Healthy	

Detach Instances ⌵

Detaching these instances cannot be undone. Proceeding with this action will:

- Remove these instances from the Auto Scaling group blue-green-ASG and the associated ELBs
- Replace these instances with a new running instance within the ASG blue-green-ASG and register with the associated ELBs

☐ Add new instances to the Auto Scaling group to balance the load ⓘ

Are you sure you want to detach these instances?

- i-0649f423bea5273ed
- i-0a5ee2cfd8b33aebd

Cancel Detach Instances

Create Auto Scaling group

Actions

Filter:

1 to 1 of 1 Auto Scaling Groups

<input type="checkbox"/>	Name	Launch Configuration /	Instances	Desired	Min	Max	Availability Zones	Default Cooldown	Health Check Grac
<input checked="" type="checkbox"/>	blue-green-ASG	v1-LCG	2	2	2	4	us-east-1a, us-east-1b	300	300

Auto Scaling Group: blue-green-ASG

Details

Activity History

Scaling Policies

Instances

Monitoring

Notifications

Tags

Scheduled Actions

Lifecycle Hooks

Actions

Filter: Any Health Status Any Lifecycle State

1 to 2 of 2 Instances

<input type="checkbox"/>	Instance ID	Lifecycle	Launch Configuration / Template	Availability Zone	Health Status	Protected from
<input type="checkbox"/>	i-002b654c471cbdc3b	InService	v1-LCG	us-east-1b	Healthy	
<input type="checkbox"/>	i-09e746c76376dacf1	InService	v1-LCG	us-east-1a	Healthy	

Create Load Balancer

Actions

Filter by tags and attributes or search by keyword

1 to 1 of 1

<input type="checkbox"/>	Name	DNS name	State	VPC ID	Availability Zones	Type
<input checked="" type="checkbox"/>	blue-green-ELB	blue-green-ELB-765134130.us-east-1.elb.amazonaws.com		vpc-2a011251	us-east-1a, us-east-1b, us-east-1...	classic

Load balancer: blue-green-ELB

Description

Instances

Health Check

Listeners

Monitoring

Tags

Migration

Connection Draining: Enabled, 300 seconds (Edit)

Edit Instances

Instance ID	Name	Availability Zone	Status	Actions
i-002b654c471cbdc3b	blue-green-ASG	us-east-1b	InService ⓘ	Remove from Load Balancer
i-09e746c76376dacf1	blue-green-ASG	us-east-1a	InService ⓘ	Remove from Load Balancer

Edit Availability Zones

Availability Zone	Subnet ID	Subnet CIDR	Instance Count	Healthy?	Actions
us-east-1a	subnet-732ef82f	172.31.32.0/20	1	Yes	Remove from Load Balancer
us-east-1b	subnet-b004d7d7	172.31.0.0/20	1	Yes	Remove from Load Balancer
us-east-1c	subnet-d070a0fe	172.31.80.0/20	0	No (Availability Zone contains no healthy targets)	Remove from Load Balancer

```
[INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V1</h1>  ←
[INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V1</h1>  ←
[INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V1</h1>  ←
[INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V1</h1>  ←
[INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
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[INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
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<h1 align='center'>V1</h1>  ←
[INBL2-42RG3QD:~ mahtab.alam$ curl blue-green-ELB-765134130.us-east-1.elb.amazonaws.com
<h1 align='center'>V1</h1>  ←
[INBL2-42RG3QD:~ mahtab.alam$ █
```