

Console Home | Console Home    ec2role | IAM | Global    Yadnesh101/blue-screen

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/roles/details/ec2role?section=permissions

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IAM > Roles > ec2role

**ec2role** Info

Allows EC2 instances to call AWS services on your behalf.

**Summary**

Creation date: November 26, 2024, 12:27 (UTC+05:30)

Last activity: -

ARN: arn:aws:iam::047719614436:role/ec2role

Maximum session duration: 1 hour

Instance profile ARN: arn:aws:iam::047719614436:instance-profile/ec2role

**Permissions** Trust relationships Tags Last Accessed Revoke sessions

**Permissions policies (6)** Info

You can attach up to 10 managed policies.

Filter by Type: All types

Policy name	Type	Attached entities
AdministratorAccess	AWS managed - job function	3
AmazonS3FullAccess	AWS managed	4
AutoScalingFullAccess	AWS managed	1
AWSCodeDeployFullAccess	AWS managed	1
AWSCodePipeline_FullAccess	AWS managed	1
ElasticLoadBalancingFullAccess	AWS managed	1

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IAM > Roles > codedeploy

### codedeploy Info

Allows CodeDeploy to call AWS services such as Auto Scaling on your behalf.

**Summary**

**Creation date**  
November 26, 2024, 12:29 (UTC+05:30)

**Last activity**  
Yesterday

**ARN**  
[arn:aws:iam::047719614436:role/codedeploy](#)

**Maximum session duration**  
1 hour

**Permissions** **Trust relationships** **Tags** **Last Accessed** **Revoke sessions**

**Permissions policies (3) Info**

You can attach up to 10 managed policies.

**Filter by Type**

Policy name	Type	Attached entities
<a href="#">AdministratorAccess</a>	AWS managed - job function	3
<a href="#">AmazonS3FullAccess</a>	AWS managed	4
<a href="#">AWSCodeDeployRole</a>	AWS managed	2

**Permissions boundary (not set)**

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us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchTemplates:

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Elastic Block Store Volumes Snapshots Lifecycle Manager

Network & Security Security Groups

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Compute

# EC2 launch templates

## Streamline, simplify and standardize instance launches

Use launch templates to automate instance launches, simplify permission policies, and enforce best practices across your organization. Save launch parameters in a template that can be used for on-demand launches and with managed services, including EC2 Auto Scaling and EC2 Fleet. Easily update your launch parameters by creating a new launch template version.

New launch template

Create launch template

### Benefits and features

**Streamline provisioning**  
Minimize steps to provision instances. With EC2 Auto Scaling, updates to a

**Simplify permissions**  
Create shorter, easier to manage IAM policies. [Learn more](#)

**Documentation**

[Documentation](#) [API reference](#)

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us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateTemplate:

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EC2 > Launch templates > Create launch template

## Create launch template

Creating a launch template allows you to create a saved instance configuration that can be reused, shared and launched at a later time. Templates can have multiple versions.

### Launch template name and description

Launch template name - required

myLC

Must be unique to this account. Max 128 chars. No spaces or special characters like '&', '\*', '@'.

Template version description

A prod webserver for MyApp

Max 255 chars

Auto Scaling guidance | Info

Select this if you intend to use this template with EC2 Auto Scaling

Provide guidance to help me set up a template that I can use with EC2 Auto Scaling

▶ Template tags

▶ Source template

### Launch template contents

Specify the details of your launch template below. Leaving a field blank will result in the field not being included in the launch template.

#### Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

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N. Virginia ▾ AlexDempt @ yadnesh01 ▾

### Summary

**Software Image (AMI)**  
Amazon Linux 2023 AMI 2023.6.2... [read more](#)  
ami-0453ec754f44f9a4a

**Virtual server type (instance type)**  
t2.micro

**Firewall (security group)**  
launch-wizard-12

**Storage (volumes)**  
1 volume(s) - 8 GiB

**Free tier:** In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel **Create launch template**

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EC2 > Launch templates > Create launch template

Specify the details of your launch template below. Leaving a field blank will result in the field not being included in the launch template.

▼ Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below.

Search our full catalog including 1000s of application and OS images

Recents Quick Start

Don't include in launch template Amazon Linux macOS Ubuntu Windows Red Hat SUSE Linux Debian

aws Mac ubuntu Microsoft Red Hat SUSE debian

Browse more AMIs Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI ami-0453ec754f44f9a4a (64-bit (x86), uefi-preferred) / ami-0ed83e7a78a23014e (64-bit (Arm), uefi) Free tier eligible Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Amazon Linux 2023 is a modern, general purpose Linux-based OS that comes with 5 years of long term support. It is optimized for AWS and designed to provide a secure, stable and high-performance execution environment to develop and run your cloud applications.

Amazon Linux 2023 AMI 2023.6.20241121.0 x86\_64 HVM kernel-6.1

Architecture: 64-bit (x86) Boot mode: uefi-preferred

AMI ID: ami-0453ec754f44f9a4a Username: ec2-user Verified provider

▼ Summary

Software Image (AMI) Amazon Linux 2023 AMI 2023.6.2... [read more](#) ami-0453ec754f44f9a4a

Virtual server type (instance type) t2.micro

Firewall (security group) launch-wizard-12

Storage (volumes) 1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Create launch template

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**Instance type** [Info](#) | [Get advice](#)

**Instance type**

t2.micro Free tier eligible

Family: t2 1 vCPU 1 GiB Memory Current generation: true On-Demand Windows base pricing: 0.0162 USD per Hour  
On-Demand Ubuntu Pro base pricing: 0.0134 USD per Hour On-Demand SUSE base pricing: 0.0116 USD per Hour  
On-Demand RHEL base pricing: 0.026 USD per Hour On-Demand Linux base pricing: 0.0116 USD per Hour

All generations [Compare instance types](#)

**Additional costs apply for AMIs with pre-installed software**

**Key pair (login)** [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

**Key pair name**

project\_keypair [Create new key pair](#)

**Network settings** [Info](#)

**Subnet** [Info](#)

Don't include in launch template [Create new subnet](#)

When you specify a subnet, a network interface is automatically added to your template.

**Firewall (security groups)** [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Select existing security group  Create security group

**Security groups** [Info](#)

Select security groups [Compare security group rules](#)

launch-wizard-12 sg-0469e968176076c8d [X](#)

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**Summary**

**Software Image (AMI)**  
Amazon Linux 2023 AMI 2023.6.2... [read more](#)  
ami-0453ec754f44f9a4a

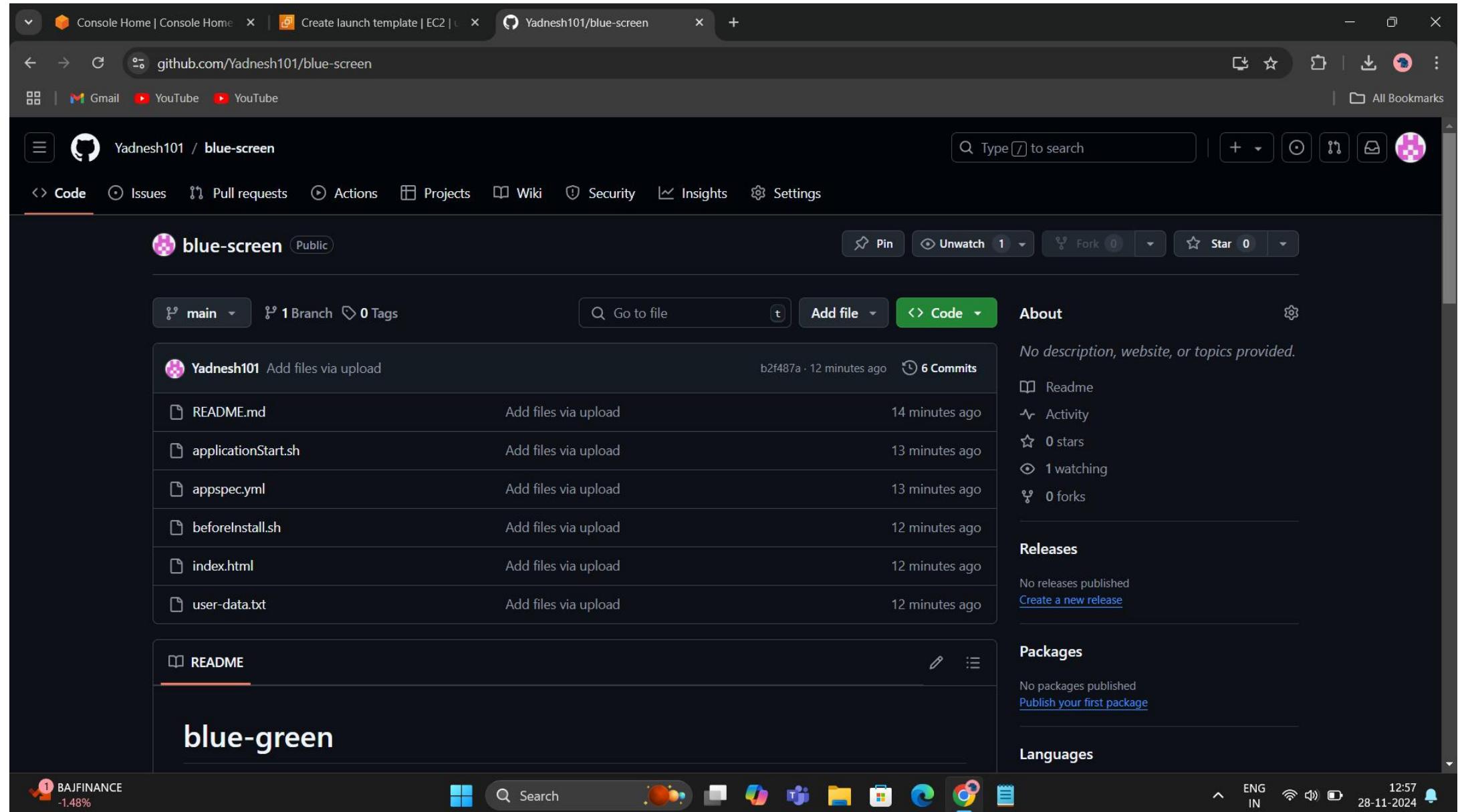
**Virtual server type (instance type)**  
t2.micro

**Firewall (security group)**  
launch-wizard-12

**Storage (volumes)**  
1 volume(s) - 8 GiB

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[Cancel](#) [Create launch template](#)



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github.com/Yadnesh101/blue-screen/blob/main/README.md

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Files

main

Go to file

README.md applicationStart.sh appspec.yml beforeInstall.sh index.html user-data.txt

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## blue-green

### PFB the User-Data

```
#!/bin/bash -xe
yum update -y
```

### Apache install and index.html file creation

```
yum install httpd -y
echo 'Hello' >> /var/www/html/index.html
systemctl restart httpd
```

### Code Deploy Agent Bootstrap Script##

```
exec > >(tee /var/log/user-data.log|logger -t user-data -s 2>/dev/console) 2>&1 AUTOUPDATE=false
function installdep(){
if [ ${PLAT} = "ubuntu" ]; then
    apt-get -y update

```

### Satisfying even ubuntu older versions.

```
apt-get -y install jq awscli ruby2.0 || apt-get -y install jq awscli ruby
elif [ ${PLAT} = "amz" ]; then
    yum -y update
    yum install -y aws-cli jq
fi
function platformize(){
#Linux OS detection# if hash lsb_release; then echo "Ubuntu server OS detected" export PLAT="ubuntu"
if hash yum; then echo "Amazon Linux detected" export PLAT="amz"
else echo "Unsupported release" exit 1
fi
function execute(){
if [ ${PLAT} = "ubuntu" ]; then
    cd /tmp; wget https://aws-codedeploy-$REGION.s3.amazonaws.com/latest/install
    chmod +x ./install
    ./install auto; then echo "Instalation completed" fi
    ! $AUTOUPDATE; then echo "Disabling Auto Update" sed -i '/@reboot/d'
fi
}
}
execute
```

SENSEX -1.16%

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EC2 > Launch templates > Create launch template

Metadata response hop limit Info

2

Allow tags in metadata Info

Don't include in launch template

User data - optional Info

Upload a file with your user data or enter it in the field.

Choose file

```
#!/bin/bash -xe
yum update -y
##Apache install and index.html file creation
yum install httpd -y
echo 'Hello' >> /var/www/html/index.html
systemctl restart httpd
##Code Deploy Agent Bootstrap Script##
exec >(tee /var/log/user-data.log|logger -t user-data -s 2>/dev/console) 2>&1 AUTOUPDATE=false
function installdep(){
if [ ${PLAT} = "ubuntu" ]; then
apt-get -y update
#Satisfying even ubuntu older versions.
apt-get -v install io.awscli ruby2.0 || apt-get -v install ia awscli ruby
```

▼ Summary

Software Image (AMI)

Amazon Linux 2023 AMI 2023.6.2...[read more](#)  
ami-0453ec754f44f9a4a

Virtual server type (instance type)

t2.micro

Firewall (security group)

launch-wizard-12

Storage (volumes)

1 volume(s) - 8 GiB

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- Step 1
- Choose launch template**
- Step 2 Choose instance launch options
  - Step 3 - optional Integrate with other services
  - Step 4 - optional Configure group size and scaling
  - Step 5 - optional Add notifications
  - Step 6 - optional Add tags
  - Step 7 Review

## Choose launch template Info

Specify a launch template that contains settings common to all EC2 instances that are launched by this Auto Scaling group.

### Name

#### Auto Scaling group name

Enter a name to identify the group.

Must be unique to this account in the current Region and no more than 255 characters.

### Launch template Info

i For accounts created after May 31, 2023, the EC2 console only supports creating Auto Scaling groups with launch templates. Creating Auto Scaling groups with launch configurations is not recommended but still available via the CLI and API until December 31, 2023.

#### Launch template

Choose a launch template that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups.

Select a launch template



Create a launch template +

Cancel

Next

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EC2 > Auto Scaling groups > Create Auto Scaling group

Step 1 Choose launch template Step 2 Choose instance launch options Step 3 - optional Integrate with other services Step 4 - optional Configure group size and scaling Step 5 - optional Add notifications Step 6 - optional Add tags Step 7 Review

**Choose launch template** Info

Specify a launch template that contains settings common to all EC2 instances that are launched by this Auto Scaling group.

**Name**

**Auto Scaling group name**  
Enter a name to identify the group.  
 Must be unique to this account in the current Region and no more than 255 characters.

**Launch template** Info

For accounts created after May 31, 2023, the EC2 console only supports creating Auto Scaling groups with launch templates. Creating Auto Scaling groups with launch configurations is not recommended but still available via the CLI and API until December 31, 2023.

**Launch template**  
Choose a launch template that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups.  
 ▼ C

**Create a launch template** Info

**Version**

▼ C

**Create a launch template version** Info

Description	Launch template	Instance type
-	myLC <small>Info</small> lt-0e73456e5967391d5	t2.micro
AMI ID	Security groups	Request Spot Instances
ami-0453ec754f44f9a4a	-	No
Key pair name	Security group IDs	
project_keypair	sg-0469e968176076c8d <small>Info</small>	
<b>Additional details</b>		
Storage (volumes)	Date created	
-	Thu Nov 28 2024 13:04:28 GMT+0530 (India)	

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EC2 > Auto Scaling groups > Create Auto Scaling group

Step 1 Choose launch template  
Step 2 Choose instance launch options  
Step 3 - optional Integrate with other services  
Step 4 - optional Configure group size and scaling  
Step 5 - optional Add notifications  
Step 6 - optional Add tags  
Step 7 Review

**Choose instance launch options** Info

Choose the VPC network environment that your instances are launched into, and customize the instance types and purchase options.

**Instance type requirements** Info

You can keep the same instance attributes or instance type from your launch template, or you can choose to override the launch template by specifying different instance attributes or manually adding instance types.

**Launch template** myLC Override launch template  
lt-0e73456e5967391d5

**Version** Default

**Description** -

**Instance type** t2.micro

**Network** Info

For most applications, you can use multiple Availability Zones and let EC2 Auto Scaling balance your instances across the zones. The default VPC and default subnets are suitable for getting started quickly.

**VPC**  
Choose the VPC that defines the virtual network for your Auto Scaling group.  
vpc-0249edb10cd61eb69  
172.31.0.0/16 Default C

Create a VPC Info

**Availability Zones and subnets**  
Define which Availability Zones and subnets your Auto Scaling group can use in the chosen VPC.  
Select Availability Zones and subnets C

us-east-1a | subnet-05c1ae3ee722cd3e4 X  
172.31.32.0/20 Default

us-east-1a | subnet-090c1f589ea67d618 (RDS-Pvt-subnet-6) X  
172.31.98.128/25

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EC2 > Auto Scaling groups > Create Auto Scaling group

Step 6 - optional  
Add tags  
Step 7  
Review

t2.micro

**Network** Info

For most applications, you can use multiple Availability Zones and let EC2 Auto Scaling balance your instances across the zones. The default VPC and default subnets are suitable for getting started quickly.

**VPC**  
Choose the VPC that defines the virtual network for your Auto Scaling group.  
vpc-0249edb10cd61eb69  
172.31.0.0/16 Default C

Create a VPC ?

**Availability Zones and subnets**  
Define which Availability Zones and subnets your Auto Scaling group can use in the chosen VPC.  
Select Availability Zones and subnets C

us-east-1a | subnet-05c1ae3ee722cd3e4 X  
172.31.32.0/20 Default

us-east-1a | subnet-090c1f589ea67d618 (RDS-Pvt-subnet-6) X  
172.31.98.128/25

us-east-1b | subnet-013e76f72fcfa0d1a5 (RDS-Pvt-subnet-4) X  
172.31.97.128/25

Create a subnet ?

**Availability Zone distribution - new**  
Auto Scaling automatically balances instances across Availability Zones. If launch failures occur in a zone, select a strategy.

**Balanced best effort**  
If launches fail in one Availability Zone, Auto Scaling will attempt to launch in another healthy Availability Zone.

**Balanced only**  
If launches fail in one Availability Zone, Auto Scaling will continue to attempt to launch in the unhealthy Availability Zone to preserve balanced distribution.

Cancel Skip to review Previous Next

The screenshot shows the AWS EC2 Auto Scaling group creation wizard at Step 3 - optional: Integrate with other services. The main section is titled "Load balancing" with an "Info" link. It instructs the user to attach the Auto Scaling group to an existing load balancer or create a new one. Three options are shown:

- No load balancer: Traffic to your Auto Scaling group will not be fronted by a load balancer.
- Attach to an existing load balancer: Choose from your existing load balancers.
- Attach to a new load balancer: Quickly create a basic load balancer to attach to your Auto Scaling group.

Below this, the "Attach to a new load balancer" section is expanded. It includes fields for "Load balancer type" (Application Load Balancer selected), "Load balancer name" (MyALB), "Load balancer scheme" (Internet-facing selected), and "Network mapping" (VPC selected as `vpc-0249edb10cd61eb69`). The "Availability Zones and subnets" section indicates that a single subnet must be selected for each availability zone, with `us-east-1a` checked and a dropdown menu showing "Select a subnet".

On the left sidebar, the following optional steps are listed:

- Step 3 - optional: **Integrate with other services** (selected)
- Step 4 - optional: Configure group size and scaling
- Step 5 - optional: Add notifications
- Step 6 - optional: Add tags
- Step 7: Review

At the bottom, there are links for CloudShell, Feedback, and a footer with copyright information and navigation icons.

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EC2 > Auto Scaling groups > Create Auto Scaling group

**Network mapping**  
Your new load balancer will be created using the same VPC and Availability Zone selections as your Auto Scaling group. You can select different subnets and add subnets from additional Availability Zones.

**VPC**  
vpc-0249edb10cd61eb69 [Edit](#)

**Availability Zones and subnets**  
You must select a single subnet for each Availability Zone enabled. Only public subnets are available for selection to support DNS resolution.

<input checked="" type="checkbox"/> us-east-1a	subnet-05c1ae3ee722cd3e4
<input checked="" type="checkbox"/> us-east-1b	subnet-013e76f72fcfa0d1a5
<input type="checkbox"/> us-east-1c	Select a subnet
<input type="checkbox"/> us-east-1e	Select a subnet
<input type="checkbox"/> us-east-1f	Select a subnet
<input type="checkbox"/> us-east-1d	Select a subnet

**Listeners and routing**  
If you require secure listeners, or multiple listeners, you can configure them from the Load Balancing console [Edit](#) after your load balancer is created.

Protocol	Port	Default routing (forward to)
HTTP	80	Create a target group <a href="#">Edit</a>

New target group name  
An instance target group with default settings will be created.  
MyALB

**Tags - optional**  
Consider adding tags to your load balancer. Tags enable you to categorize your AWS resources so you can more easily manage them.

Add tag  
50 remaining

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EC2 > Auto Scaling groups > Create Auto Scaling group

Create new VPC Lattice service [\[x\]](#)

**Application Recovery Controller (ARC) zonal shift - [new](#) [Info](#)**  
During an Availability Zone impairment, target instance launches towards other healthy Availability Zones.

Enable zonal shift  
New instance launches will be retargeted towards healthy Availability Zones until the zonal shift is canceled.

**Health checks**  
Health checks increase availability by replacing unhealthy instances. When you use multiple health checks, all are evaluated, and if at least one fails, instance replacement occurs.

**EC2 health checks**  
[Always enabled](#)

**Additional health check types - optional** [\[Info\]](#)  
 Turn on Elastic Load Balancing health checks Recommended  
Elastic Load Balancing monitors whether instances are available to handle requests. When it reports an unhealthy instance, EC2 Auto Scaling can replace it on its next periodic check.

ⓘ EC2 Auto Scaling will start to detect and act on health checks performed by Elastic Load Balancing. To avoid unexpected terminations, first verify the settings of these health checks in the [Load Balancer console](#) [\[x\]](#)

Turn on VPC Lattice health checks  
VPC Lattice can monitor whether instances are available to handle requests. If it considers a target as failed a health check, EC2 Auto Scaling replaces it after its next periodic check.

Turn on Amazon EBS health checks  
EBS monitors whether an instance's root volume or attached volume stalls. When it reports an unhealthy volume, EC2 Auto Scaling can replace the instance on its next periodic health check.

**Health check grace period** [\[Info\]](#)  
This time period delays the first health check until your instances finish initializing. It doesn't prevent an instance from terminating when placed into a non-running state.  
300 seconds

Cancel [Skip to review](#) [Previous](#) **Next**

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EC2 > Auto Scaling groups > Create Auto Scaling group

Step 1 Choose launch template  
Step 2 Choose instance launch options  
Step 3 - optional Integrate with other services  
Step 4 - optional Configure group size and scaling  
**Configure group size and scaling** Step 5 - optional Add notifications  
Step 6 - optional Add tags  
Step 7 Review

### Configure group size and scaling - *optional* Info

Define your group's desired capacity and scaling limits. You can optionally add automatic scaling to adjust the size of your group.

#### Group size Info

Set the initial size of the Auto Scaling group. After creating the group, you can change its size to meet demand, either manually or by using automatic scaling.

**Desired capacity type**  
Choose the unit of measurement for the desired capacity value. vCPUs and Memory(GiB) are only supported for mixed instances groups configured with a set of instance attributes.

Units (number of instances)

#### Desired capacity

Specify your group size.

2

#### Scaling Info

You can resize your Auto Scaling group manually or automatically to meet changes in demand.

##### Scaling limits

Set limits on how much your desired capacity can be increased or decreased.

<b>Min desired capacity</b> 1 Equal or less than desired capacity	<b>Max desired capacity</b> 2 Equal or greater than desired capacity
---	--

##### Automatic scaling - *optional*

Choose whether to use a target tracking policy | Info

You can set up other metric-based scaling policies and scheduled scaling after creating your Auto Scaling group.

No scaling policies  
Your Auto Scaling group will remain at its initial size and will not dynamically resize to meet demand.

Target tracking scaling policy  
Choose a CloudWatch metric and target value and let the scaling policy adjust the desired capacity in proportion to the metric's value.

#### Instance maintenance policy Info

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LICI +1.90% x Search x x x x x x x x x x x x ENG IN x 13:13 28-11-2024 x

Console Home | Console Home x Create Auto Scaling group | EC2 x blue-screen/README.md at master · GitHub x +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateAutoScalingGroup:

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EC2 > Auto Scaling groups > Create Auto Scaling group

When launching before terminating others. For all other events, instances terminate and launch at the same time.

Launch more items to be ready before terminating others. This allows you to go above your desired capacity by a given percentage and may temporarily increase costs.

Same time. This allows you to go below your desired capacity by a given percentage and may temporarily reduce availability.

Auto Scaling goes when replacing instances.

**Additional capacity settings**

**Capacity Reservation preference** | Info Select whether you want Auto Scaling to launch instances into an existing Capacity Reservation or Capacity Reservation resource group.

**Default** Auto Scaling uses the Capacity Reservation preference from your launch template.

**None** Instances will not be launched into a Capacity Reservation.

**Capacity Reservations only** Instances will only be launched into a Capacity Reservation. If capacity isn't available, the instances fail to launch.

**Capacity Reservations first** Instances will attempt to launch into a Capacity Reservation first. If capacity isn't available, instances will run in On-Demand capacity.

**Additional settings**

**Instance scale-in protection** If protect from scale in is enabled, newly launched instances will be protected from scale in by default.  
 Enable instance scale-in protection

**Monitoring** | Info  
 Enable group metrics collection within CloudWatch

**Default instance warmup** | Info The amount of time that CloudWatch metrics for new instances do not contribute to the group's aggregated instance metrics, as their usage data is not reliable yet.  
 Enable default instance warmup

Cancel Skip to review Previous Next

Console Home | Console Home × Create Auto Scaling group | EC2 × blue-screen/README.md at master · GitHub × +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateAutoScalingGroup:

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aws Search [Alt+S]

EC2 > Auto Scaling groups > Create Auto Scaling group

- Step 1 Choose launch template
- Step 2 Choose instance launch options
- Step 3 - optional Integrate with other services
- Step 4 - optional Configure group size and scaling
- Step 5 - optional Add notifications
- Step 6 - optional Add tags
- Step 7 Review

### Add notifications - optional Info

Send notifications to SNS topics whenever Amazon EC2 Auto Scaling launches or terminates the EC2 instances in your Auto Scaling group.

[Add notification](#)

[Cancel](#) [Skip to review](#) [Previous](#) [Next](#)

Console Home | Console Home x Create Auto Scaling group | EC2 x blue-screen/README.md at master · GitHub x +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateAutoScalingGroup:

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EC2 > Auto Scaling groups > Create Auto Scaling group

Step 1 Choose launch template  
Step 2 Choose instance launch options  
Step 3 - optional Integrate with other services  
Step 4 - optional Configure group size and scaling  
Step 5 - optional Add notifications  
Step 6 - optional Add tags  
Step 7 Review

**Add tags - optional** Info

Add tags to help you search, filter, and track your Auto Scaling group across AWS. You can also choose to automatically add these tags to instances when they are launched.

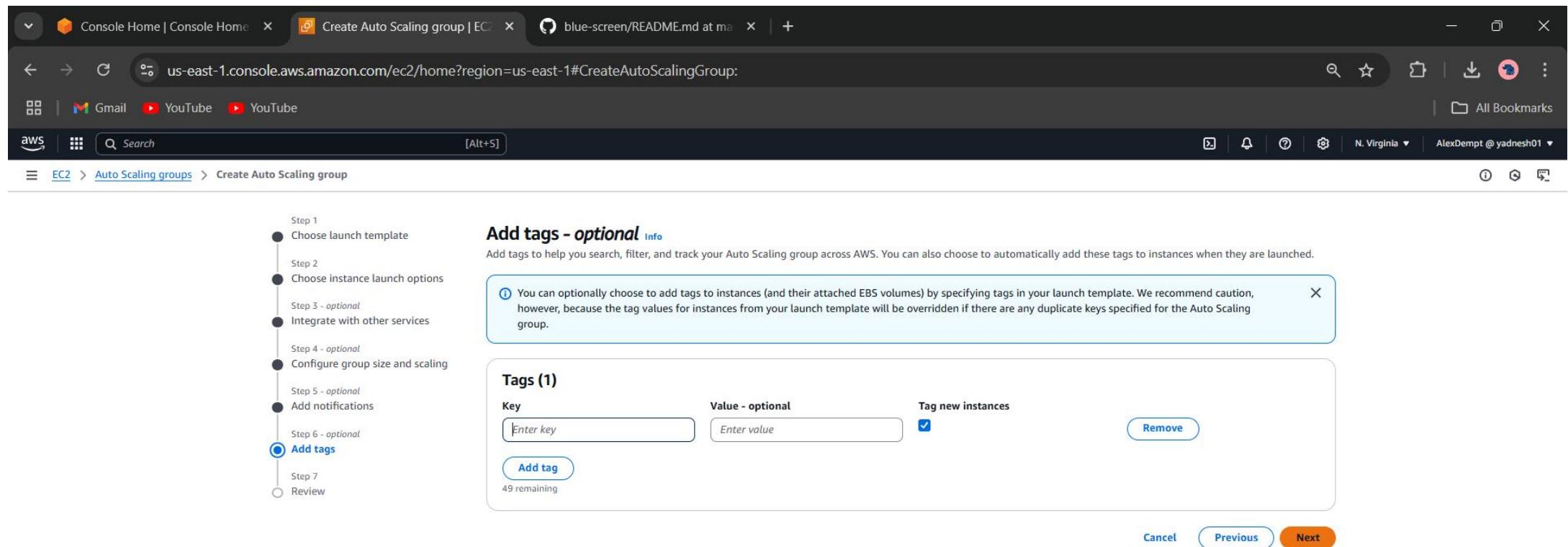
ⓘ You can optionally choose to add tags to instances (and their attached EBS volumes) by specifying tags in your launch template. We recommend caution, however, because the tag values for instances from your launch template will be overridden if there are any duplicate keys specified for the Auto Scaling group.

**Tags (1)**

Key	Value - optional	Tag new instances
<input type="text" value="Enter key"/>	<input type="text" value="Enter value"/>	<input checked="" type="checkbox"/>

**Add tag** 49 remaining Remove

Cancel Previous Next



Console Home | Console Home × Create Auto Scaling group | EC2 × blue-screen/README.md at master · GitHub

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateAutoScalingGroup:

Gmail YouTube YouTube

Search [Alt+S]

EC2 > Auto Scaling groups > Create Auto Scaling group

Step 1 Choose launch template

Step 2 Choose instance launch options

Step 3 - optional Integrate with other services

Step 4 - optional Configure group size and scaling

Step 5 - optional Add notifications

Step 6 - optional Add tags

Step 7 Review

**Review** Info

**Step 1: Choose launch template**

**Group details**

Auto Scaling group name MyASG

**Launch template**

Launch template	Version	Description
myLC	Default	lt-0e73456e5967391d5

**Step 2: Choose instance launch options**

**Network**

VPC vpc-0249edb10cd61eb69

**Availability Zones and subnets**

Availability Zone	Subnet	Subnet CIDR range
us-east-1a	subnet-05c1ae3ee722cd3e4	172.31.32.0/20
us-east-1b	subnet-013e76f72fc0d1a5	172.31.97.128/25
us-east-1a	subnet-090c1f589ea67d618	172.31.98.128/25

**Availability Zone distribution**  
Balanced best effort

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us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateAutoScalingGroup:

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EC2 > Auto Scaling groups > Create Auto Scaling group

Instance maintenance policy

Replacement behavior No policy	Min healthy percentage -	Max healthy percentage -
-----------------------------------	-----------------------------	-----------------------------

Additional settings

Instance scale-in protection Disabled	Monitoring Disabled	Default instance warmup Disabled
--	------------------------	-------------------------------------

Capacity Reservation preference

Preference Default	Capacity Reservation IDs -	Resource Groups -
-----------------------	-------------------------------	----------------------

Step 5: Add notifications Edit

Notifications

No notifications

Step 6: Add tags Edit

Tags (1)

Key	Value	Action
		Tag new instances
		Yes

Preview code Cancel Previous Create Auto Scaling group

Console Home | Console Home x Auto Scaling groups | EC2 | us-east-1 x blue-screen/README.md at master · GitHub x +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#AutoScalingGroups:

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aws Search [Alt+S]

EC2 > Auto Scaling groups

Auto Scaling groups (1) Info

Search your Auto Scaling groups

Launch configurations Launch templates Actions Create Auto Scaling group

Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	Availability Zones
<a href="#">MyASG</a>	<a href="#">myLC</a>   Version Default	0	Updating capacity...	2	1	2	us-east-1a, us-east-1b

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Console Home | Console Home × Homepage | S3 | us-east-1 × Instances | EC2 | us-east-1 × Auto Scaling groups | EC2 | us-east-1 × blue-screen/README.md at master · yadnesh01/blue-screen

us-east-1.console.aws.amazon.com/s3/get-started?region=us-east-1

Gmail YouTube YouTube

aws Search [Alt+S]

Storage

# Amazon S3

Store and retrieve any amount of data from anywhere

Amazon S3 is an object storage service that offers industry-leading scalability, data availability, security, and performance.

## Create a bucket

Every object in S3 is stored in a bucket. To upload files and folders to S3, you'll need to create a bucket where the objects will be stored.

[Create bucket](#)

## How it works



Copy link

## Pricing

With S3, there are no minimum fees. You only pay for what you use. Prices are based on the location of your S3 bucket.

Estimate your monthly bill using the [AWS Simple Monthly Calculator](#)

[View pricing details](#)

## Resources

User guide

CloudShell Feedback

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Console Home | Console Home × Create S3 bucket | S3 | us-east-1 × Instances | EC2 | us-east-1 × Auto Scaling groups | EC2 | us-east-1 × blue-screen/README.md at master · GitHub

us-east-1.console.aws.amazon.com/s3/bucket/create?region=us-east-1&bucketType=general

Gmail YouTube YouTube All Bookmarks

aws Search [Alt+S]

Amazon S3 > Buckets > Create bucket

## Create bucket Info

Buckets are containers for data stored in S3.

### General configuration

**AWS Region**  
US East (N. Virginia) us-east-1

**Bucket type** Info

General purpose  
Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.

Directory  
Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

**Bucket name** Info  
willison-codepipeline-newone

Bucket name must be unique within the global namespace and follow the bucket naming rules. [See rules for bucket naming](#)

**Copy settings from existing bucket - optional**  
Only the bucket settings in the following configuration are copied.

[Choose bucket](#)

Format: s3://bucket/prefix

### Object Ownership Info

Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

ACLs disabled (recommended)  
Objects in this bucket are owned by the AWS account that created the bucket. This is the recommended setting.

ACLs enabled  
Objects in this bucket are owned by the AWS account that uploaded the object.

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us-east-1.console.aws.amazon.com/s3/bucket/create?region=us-east-1&bucketType=general

Gmail YouTube YouTube

All Bookmarks

aws Search [Alt+S]

Amazon S3 > Buckets > Create bucket

**Block Public Access settings for this bucket**

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

**Block all public access**  
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

- Block public access to buckets and objects granted through new access control lists (ACLs)**  
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.
- Block public access to buckets and objects granted through any access control lists (ACLs)**  
S3 will ignore all ACLs that grant public access to buckets and objects.
- Block public access to buckets and objects granted through new public bucket or access point policies**  
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
- Block public and cross-account access to buckets and objects through any public bucket or access point policies**  
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

**Bucket Versioning**

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

**Bucket Versioning**

Disable  
 Enable

**Tags - optional (0)**

You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

No tags associated with this bucket.

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Console Home | Console Home × Create S3 bucket | S3 | us-east-1 × Instances | EC2 | us-east-1 × Auto Scaling groups | EC2 | us-east-1 × blue-screen/README.md at master · GitHub × +

us-east-1.console.aws.amazon.com/s3/bucket/create?region=us-east-1&bucketType=general

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Search [Alt+S]

Amazon S3 > Buckets > Create bucket

**Tags - optional (0)**

You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

No tags associated with this bucket.

Add tag

**Default encryption** [Info](#)

Server-side encryption is automatically applied to new objects stored in this bucket.

Encryption type [Info](#)

Server-side encryption with Amazon S3 managed keys (SSE-S3)  
 Server-side encryption with AWS Key Management Service keys (SSE-KMS)  
 Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)

Secure your objects with two separate layers of encryption. For details on pricing, see [DSSE-KMS pricing](#) on the Storage tab of the [Amazon S3 pricing page](#).

**Bucket Key**

Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. [Learn more](#)

Disable  
 Enable

▶ Advanced settings

After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.

Cancel **Create bucket**

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Screenshot of the AWS S3 console showing the creation of a new bucket.

The browser tabs show the AWS console home, S3 buckets, EC2 instances, Auto Scaling groups, and a README.md file.

The URL in the address bar is `us-east-1.console.aws.amazon.com/s3/buckets?region=us-east-1&bucketType=general`.

A green success message box displays:

- Successfully created bucket "willison-codepipeline-newone"
- To upload files and folders, or to configure additional bucket settings, choose [View details](#).

An account snapshot section shows:

- Account snapshot - updated every 24 hours (All AWS Regions)
- Storage lens provides visibility into storage usage and activity trends. [Learn more](#)
- [View Storage Lens dashboard](#)

The General purpose buckets tab is selected, showing one bucket named "willison-codepipeline-newone".

Name	AWS Region	IAM Access Analyzer	Creation date
willison-codepipeline-newone	US East (N. Virginia) us-east-1	<a href="#">View analyzer for us-east-1</a>	November 28, 2024, 13:20:29 (UTC+05:30)

Actions available for the bucket include: Copy ARN, Empty, Delete, and Create bucket.

The bottom navigation bar includes CloudShell, Feedback, a search bar, and various AWS service icons (File Explorer, Microsoft Word, Microsoft Excel, Microsoft Powerpoint, Microsoft OneDrive, Microsoft Teams, Microsoft Edge, Google Sheets). It also shows system status (29°C, Smoke), language (ENG IN), connectivity (Wi-Fi, cellular), and a timestamp (28-11-2024 13:20).

S3 buckets | S3 | us-east-1 | CodeDeploy | us-east-1 | Instances | EC2 | us-east-1 | Auto Scaling groups | EC2 | blue-screen/README.md

us-east-1.console.aws.amazon.com/codesuite/codedeploy/start?region=us-east-1

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Developer Tools Services Search [Alt+S]

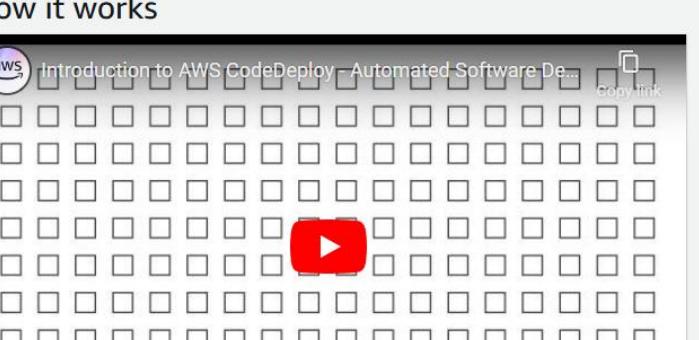
Developer Tools

# AWS CodeDeploy

## Automate code deployments to maintain application uptime

AWS CodeDeploy is a fully managed deployment service that automates software deployments to compute services such as Amazon EC2, AWS Lambda, and your on-premises servers. AWS CodeDeploy makes it easier for you to rapidly release new features, helps you avoid downtime during application deployment, and handles the complexity of updating your applications.

### How it works



Create AWS CodeDeploy deployment

Get started with AWS CodeDeploy by creating your first deployment application.

Create application

### Pricing (US)

For CodeDeploy on EC2/Lambda	Free
For CodeDeploy On-Premises	\$0.02 per instance update

Learn more

### Getting started

What is AWS CodeDeploy?

Getting started with AWS CodeDeploy?

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Console Home | Console H X | S3 buckets | S3 | us-east-1 X | Create application | CodeDeploy X | Instances | EC2 | us-east-1 X | Auto Scaling groups | EC2 X | blue-screen/README.md X | +

us-east-1.console.aws.amazon.com/codesuite/codedeploy/application/new?region=us-east-1

Gmail YouTube YouTube All Bookmarks

Services Search [Alt+S]

Developer Tools > CodeDeploy > Applications > Create application

## Create application

**Application configuration**

Application name  
Enter an application name  
 100 character limit

Compute platform  
Choose a compute platform

Tags

Cancel

S3 buckets | S3 | us-east-1 | codedeploy | CodeDeploy | Instances | EC2 | us-east-1 | Auto Scaling groups | EC2 | blue-screen/README.md

us-east-1.console.aws.amazon.com/codesuite/codedeploy/applications/codedeploy?region=us-east-1

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AWS Services Search [Alt+S]

Developer Tools CodeDeploy

Application created In order to create a new deployment, you must first create a deployment group.

Create a notification rule for this application

Developer Tools > CodeDeploy > Applications > codedeploy

codedeploy

Notify Delete application

Application details

Name	Compute platform
codedeploy	EC2/On-premises

Deployments Deployment groups Revisions

Deployment groups

Name	Status	Last attempted deployment	Last successful deployment	Trigger count
No deployment groups				

View details Edit Create deployment group

Before you can deploy your application using CodeDeploy, you must create a deployment group.

Create deployment group

https://us-east-1.console.aws.amazon.com/codesuite/codedeploy/applications/codedeploy/deployment-groups/new?region=us-east-1

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S3 buckets | S3 | us-east-1 | Create deployment group | Instances | EC2 | us-east-1 | Auto Scaling groups | EC2 | blue-screen/README.md

us-east-1.console.aws.amazon.com/codesuite/codedeploy/applications/codedeploy/deployment-groups/new?region=us-east-1

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Services Search [Alt+S]

Developer Tools > CodeDeploy > Applications > codedeploy > Create deployment group

## Create deployment group

**Application**

Application  
codeddeploy  
Compute type  
EC2/On-premises

**Deployment group name**

Enter a deployment group name  
codedeploygrp  
100 character limit

**Service role**

Enter a service role  
Enter a service role with CodeDeploy permissions that grants AWS CodeDeploy access to your target instances.  
arn:aws:iam::047719614436:role/codedeploy

**Deployment type**

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S3 buckets | S3 | us-east-1 | Create deployment group | Instances | EC2 | us-east-1 | Auto Scaling groups | EC2 | blue-screen/README.md

us-east-1.console.aws.amazon.com/codesuite/codedeploy/applications/codedeploy/deployment-groups/new?region=us-east-1

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Services Search [Alt+S]

**Deployment type**

Choose how to deploy your application

In-place  
Updates the instances in the deployment group with the latest application revisions. During a deployment, each instance will be briefly taken offline for its update.

Blue/green  
Replaces the instances in the deployment group with new instances and deploys the latest application revision to them. After instances in the replacement environment are registered with a load balancer, instances from the original environment are deregistered and can be terminated.

**Environment configuration**

Specify the Amazon EC2 Auto Scaling groups or Amazon EC2 instances where the current application revision is deployed.

Automatically copy Amazon EC2 Auto Scaling group  
Provision an Amazon EC2 Auto Scaling group and deploy the new application revision to it. AWS CodeDeploy will create the Auto Scaling group by copying the one you specify here.

Manually provision instances  
I will specify here the instances where the current application revision is running. I will specify the instances for the replacement environment when I create a deployment.

Choose the Amazon EC2 Auto Scaling group where the current application revision is deployed.

MyASG

Termination hook

**Deployment settings**

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S3 buckets | S3 | us-east-1 | Create deployment group | Instances | EC2 | us-east-1 | Auto Scaling groups | EC2 | blue-screen/README.md

us-east-1.console.aws.amazon.com/codesuite/codedeploy/applications/codedeploy/deployment-groups/new?region=us-east-1

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**Deployment settings**

Traffic rerouting

Reroute traffic immediately

I will choose whether to reroute traffic

Days Hours Minutes

0 0 5

Choose whether instances in the original environment are terminated after the deployment succeeds, and how long to wait before termination.

Terminate the original instances in the deployment group

Keep the original instances in the deployment group running

Days Hours Minutes

0 0 5

**Deployment configuration**

Choose from a list of default and custom deployment configurations. A deployment configuration is a set of rules that determines how fast an application is deployed and the success or failure conditions for a deployment.

CodeDeployDefault.AllAtOnce or [Create deployment configuration](#)

**Load balancer**

Select a load balancer to manage incoming traffic during the deployment process. The load balancer blocks traffic from each instance while it's being deployed to and allows traffic to it again after the deployment succeeds.

Enable load balancing

Load balancer type

Application Load Balancer or Network Load Balancer

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S3 buckets | S3 | us-east-1 | Create deployment group | Instances | EC2 | us-east-1 | Auto Scaling groups | EC2 | blue-screen/README.md

us-east-1.console.aws.amazon.com/codesuite/codedeploy/applications/codedeploy/deployment-groups/new?region=us-east-1

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Terminate the original instances in the deployment group

Keep the original instances in the deployment group running

Days Hours Minutes

0 0 5

Deployment configuration

Choose from a list of default and custom deployment configurations. A deployment configuration is a set of rules that determines how fast an application is deployed and the success or failure conditions for a deployment.

CodeDeployDefault.AllAtOnce or [Create deployment configuration](#)

**Load balancer**

Select a load balancer to manage incoming traffic during the deployment process. The load balancer blocks traffic from each instance while it's being deployed to and allows traffic to it again after the deployment succeeds.

Enable load balancing

Load balancer type

Application Load Balancer or Network Load Balancer

Choose target groups

MyTG

Classic Load Balancer

Advanced - optional

Cancel [Create deployment group](#)

S3 buckets | S3 | us-east-1 | codedeploygrp | CodeDeploy | Instances | EC2 | us-east-1 | Auto Scaling groups | EC2 | blue-screen/README.md

us-east-1.console.aws.amazon.com/codesuite/codedeploy/applications/codedeploy/deployment-groups/codedeploygrp?region=us-east-1&tags-meta=eyJmIjp7fSwicyl6e30slm4iOj... | +

Gmail YouTube YouTube All Bookmarks

AWS Services Search [Alt+S]

Developer Tools CodeDeploy

Success Deployment group created

Developer Tools > CodeDeploy > Applications > codedeploy > codedeploygrp

codedeploygrp

Edit Delete Create deployment

Deployment group details

Deployment group name	Application name	Compute platform
codedeploygrp	codedeploy	EC2/On-premises
Deployment type	Service role ARN	Deployment configuration
Blue/green	arn:aws:iam::047719614436:role/codedeploy	CodeDeployDefault.AllAtOnce
Rollback enabled	Agent update scheduler	
False	<a href="#">Learn to schedule update in AWS Systems Manager</a>	

Environment configuration: Amazon EC2 Auto Scaling groups

Name
MyASG
Termination hook
Disabled

Triggers

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Console Home | Console Home | codedeploygrp | CodeDeploy | CodePipeline | us-east-1 | Instances | EC2 | us-east-1 | blue-screen/README.md at master | +

us-east-1.console.aws.amazon.com/codesuite/codepipeline/start?region=us-east-1

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Developer Tools CodePipeline

- Source • CodeCommit
- Artifacts • CodeArtifact
- Build • CodeBuild
- Deploy • CodeDeploy
- Pipeline • CodePipeline
  - Getting started**
  - Pipelines
  - Settings

Go to resource Feedback

# AWS CodePipeline

## Visualize and automate the different stages of your software release process

AWS CodePipeline is a continuous integration and continuous delivery service for fast and reliable application and infrastructure updates. CodePipeline builds, tests, and deploys your code every time there is a code change, based on the release process models you define..

### How it works

The diagram shows a flow from a computer monitor icon labeled "Introduction to AWS CodePipeline - Continuous Deliver..." through several stages represented by mobile phone and tablet icons, ending with a "Copy link" button. Three yellow stars are overlaid on the mobile devices, indicating key steps or milestones in the pipeline.

### Create AWS CodePipeline pipeline

Get started with AWS CodePipeline by creating your first continuous delivery and continuous integration pipeline.

**Create pipeline**

### Pricing (US)

For V2-type pipelines

Each action execution**	\$0.002/minute*
-------------------------	-----------------

\*100 free action execution minutes per month.  
\*\*Learn more

### Getting started

What is AWS CodePipeline?  
Getting started with AWS CodePipeline?

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Console Home | Console Home | codedeploygrp | CodeDeploy | Create new pipeline | CodePipeline | Instances | EC2 | us-east-1 | blue-screen/README.md at master | +

us-east-1.console.aws.amazon.com/codesuite/codepipeline/pipeline/new?region=us-east-1

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Services Search [Alt+S]

Developer Tools > CodePipeline > Pipelines > Create new pipeline

Step 1 Choose creation option Step 1 of 6

Step 2 Choose pipeline settings

Step 3 Add source stage

Step 4 Add build stage

Step 5 Add deploy stage

Step 6 Review

## Choose creation option Info

Creation options

Choose one of the following options to create your pipeline.

Create pipeline from template  
Create a pipeline from a pre-built template for common scenarios.

Build custom pipeline  
Build a pipeline from scratch to meet your specific needs.

Cancel Next

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us-east-1.console.aws.amazon.com/codesuite/codepipeline/pipeline/new?region=us-east-1

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Developer Tools > CodePipeline > Pipelines > Create new pipeline

Step 1 Choose creation option

Step 2 of 6

Choose pipeline settings Info

Pipeline name  
Enter the pipeline name. You cannot edit the pipeline name after it is created.

Pipeline type  
(i) You can no longer create V1 pipelines through the console. We recommend you use the V2 pipeline type with improved release safety, pipeline triggers, parameterized pipelines, and a new billing model.

Execution mode  
Choose the execution mode for your pipeline. This determines how the pipeline is run.

Superseded  
A more recent execution can overtake an older one. This is the default.

Queued (Pipeline type V2 required)  
Executions are processed one by one in the order that they are queued.

Parallel (Pipeline type V2 required)  
Executions don't wait for other runs to complete before starting or finishing.

Service role

New service role  
Create a service role in your account

Existing service role  
Choose an existing service role from your account

Role name

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**Variables**

You can add variables at the pipeline level. You can choose to assign the value when you start the pipeline. Choosing this option requires pipeline type V2. [Learn more](#)

No variables defined at the pipeline level in this pipeline.

Add variable

You can add up to 50 variables.

**Advanced settings**

**Artifact store**

Default location  
Create a default S3 bucket in your account.

Custom location  
Choose an existing S3 location from your account in the same region and account as your pipeline

**Bucket**

willison-codepipeline-newone

**Encryption key**

Default AWS Managed Key  
Use the AWS managed customer master key for CodePipeline in your account to encrypt the data in the artifact store.

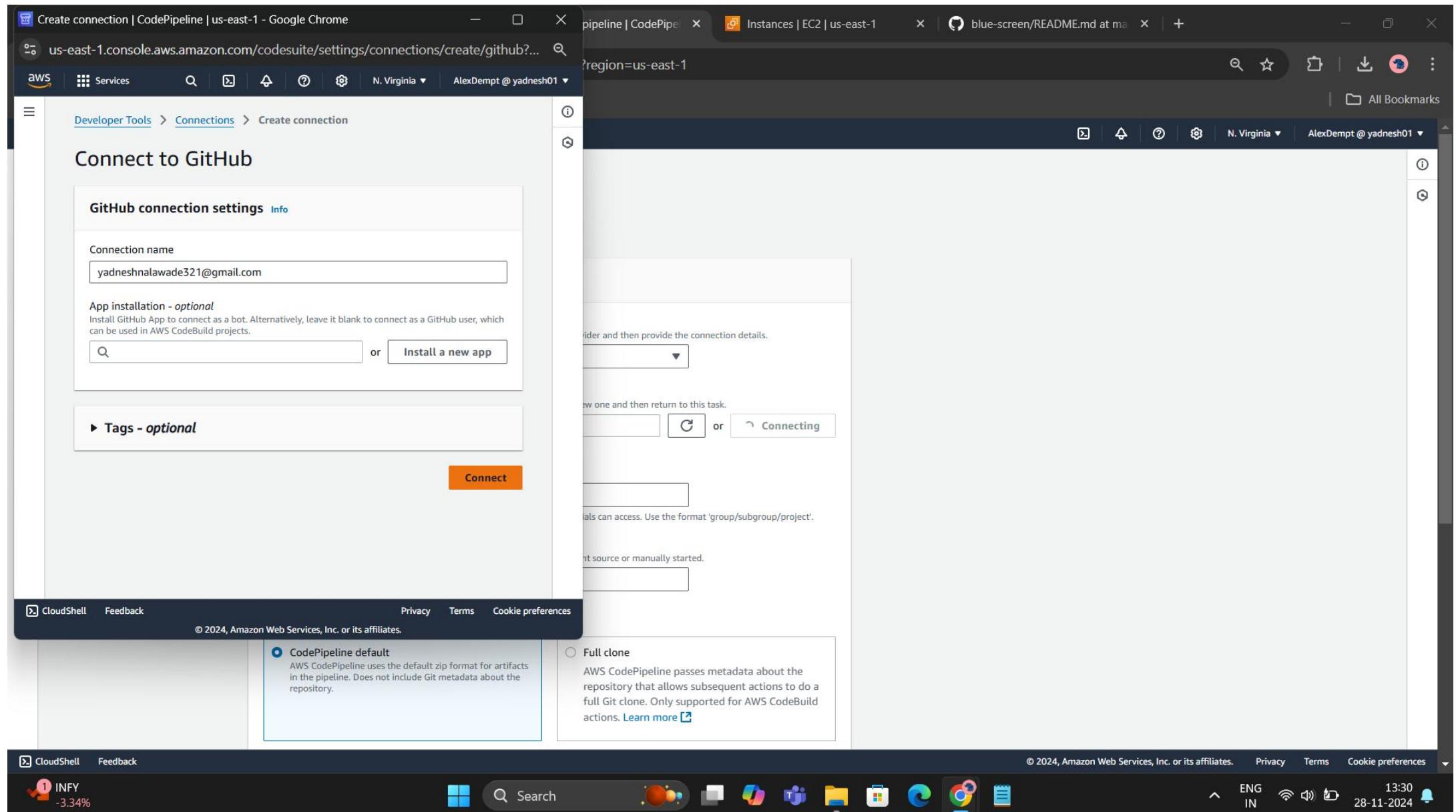
Customer Managed Key  
To encrypt the data in the artifact store under an AWS KMS customer managed key, specify the key ID, key ARN, or alias ARN.

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aws Services Search [Alt+S]

Developer Tools > CodePipeline > Pipelines > Create new pipeline

Step 1 Choose creation option Step 3 of 6

Step 2 Choose pipeline settings

Step 3 Add source stage

Step 4 Add build stage

Step 5 Add deploy stage

Step 6 Review

## Add source stage Info

### Source

Source provider This is where you stored your input artifacts for your pipeline. Choose the provider and then provide the connection details.

GitHub (via OAuth app)

Grant AWS CodePipeline access to your GitHub repository. This allows AWS CodePipeline to upload commits from GitHub to your pipeline.

Connected

You have successfully authenticated your account.

The GitHub (via OAuth app) action is not recommended

The selected action uses OAuth apps to access your GitHub repository. This is no longer the recommended method. Instead, choose the GitHub (via GitHub App) action to access your repository by creating a connection. Connections use GitHub Apps to manage authentication and can be shared with other resources. [Learn more](#)

Repository Yadvnesh101/blue-screen

Branch main

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us-east-1.console.aws.amazon.com/codesuite/codepipeline/pipeline/new?region=us-east-1

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Step 5 Add deploy stage Step 6 Review

Grant AWS CodePipeline access to your GitHub repository. This allows AWS CodePipeline to upload commits from GitHub to your pipeline.

Connected

You have successfully authenticated your account.

The GitHub (via OAuth app) action is not recommended

The selected action uses OAuth apps to access your GitHub repository. This is no longer the recommended method. Instead, choose the GitHub (via GitHub App) action to access your repository by creating a connection. Connections use GitHub Apps to manage authentication and can be shared with other resources. [Learn more](#)

Repository

Yadnesh101/blue-screen

Branch

main

Change detection options

Choose a detection mode to automatically start your pipeline when a change occurs in the source code.

GitHub webhooks (recommended)  
Use webhooks in GitHub to automatically start my pipeline when a change occurs

AWS CodePipeline  
Use AWS CodePipeline to check periodically for changes

Enable automatic retry on stage failure

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Developer Tools > CodePipeline > Pipelines > Create new pipeline

Step 1 Choose creation option

Step 2 Choose pipeline settings

Step 3 Add source stage

Step 4 Add build stage

Step 5 Add deploy stage

Step 6 Review

## Add build stage Info

Step 4 of 6

**Build - optional**

Build provider

Choose the tool you want to use to run build commands and specify artifacts for your build action.

Commands  Other build providers

**Commands**

Specify the shell commands to run with your compute action in CodePipeline. You do not need to create any resources in AWS CodeBuild. Note: Using compute time for this action will incur separate charges in AWS CodeBuild.

```
ls  
echo "Hello World"
```

**Input artifacts**

Choose an input artifact for this action. [Learn more](#)

SourceArtifact

Defined by: Source

No more than 100 characters

Enable automatic retry on stage failure

Cancel Previous Skip build stage Next

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Step 2 Choose pipeline settings Step 3 Add source stage Step 4 Add build stage Step 5 Add deploy stage Step 6 Review

**You cannot skip this stage**  
Pipelines must have at least two stages. Your second stage must be either a build or deployment stage. Choose a provider for either the build stage or deployment stage.

**Deploy**

**Deploy provider**  
Choose how you deploy to instances. Choose the provider, and then provide the configuration details for that provider.

AWS CodeDeploy

**Region**  
US East (N. Virginia)

**Input artifacts**  
Choose an input artifact for this action. Learn more [?](#)

SourceArtifact [X](#)  
Defined by: Source  
No more than 100 characters

**Application name**  
Choose an application that you have already created in the AWS CodeDeploy console. Or create an application in the AWS CodeDeploy console and then return to this task.

codedeploy

**Deployment group**  
Choose a deployment group that you have already created in the AWS CodeDeploy console. Or create a deployment group in the AWS CodeDeploy console and then return to this task.

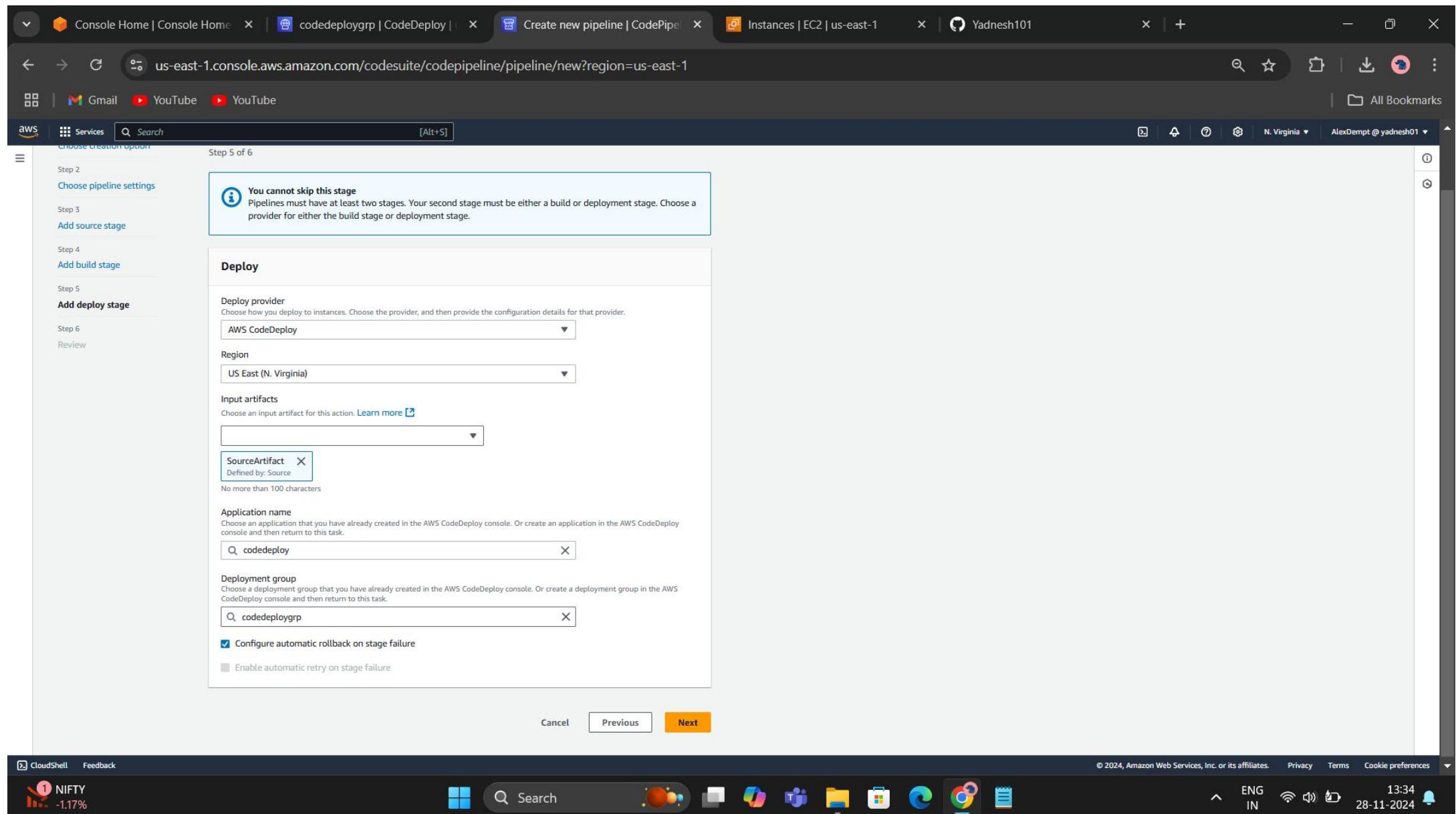
codedeploygrp

Configure automatic rollback on stage failure  
 Enable automatic retry on stage failure

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us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

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s3

EC2 > Load balancers

Instances (8) Info

Last updated less than a minute ago

Find Instance by attribute or tag (case-sensitive)

All states ▾

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
<input type="checkbox"/>		i-0d970aec87d4c166	<span>Running</span>	t2.micro	<span>Initializing</span>	<span>View alarms +</span>	us-east-1b	-	-	-
<input type="checkbox"/>		i-0f2c91c391c5a760d	<span>Running</span>	t2.micro	<span>2/2 checks passed</span>	<span>View alarms +</span>	us-east-1b	-	-	-
<input type="checkbox"/>		i-003ada905770b30a2	<span>Terminated</span>	t2.micro	-	<span>View alarms +</span>	us-east-1b	-	-	-
<input type="checkbox"/>		i-0b0058cfca036894	<span>Running</span>	t2.micro	<span>2/2 checks passed</span>	<span>View alarms +</span>	us-east-1b	-	-	-
<input type="checkbox"/>		i-098787604b5a12656	<span>Terminated</span>	t2.micro	-	<span>View alarms +</span>	us-east-1b	-	-	-
<input type="checkbox"/>		i-09a4072fada5d0271	<span>Terminated</span>	t2.micro	-	<span>View alarms +</span>	us-east-1b	-	-	-
<input type="checkbox"/>		i-0e6beb93c89cfca14	<span>Running</span>	t2.micro	<span>2/2 checks passed</span>	<span>View alarms +</span>	us-east-1a	ec2-35-175-192-121.co...	35.175.192.121	-
<input type="checkbox"/>		i-06a73ad6a9ad066e6	<span>Running</span>	t2.micro	<span>Initializing</span>	<span>View alarms +</span>	us-east-1a	ec2-34-207-229-111.co...	34.207.229.111	-

Select an instance

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Console Home | codedeploygrp | codepipeline | Instances | EC2 | EC2 Instance Cor | Yadnesh101 | 35.175.192.121 | myalb-17348558 | + | - | X

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:instanceState=running

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EC2 > Elastic IP addresses > Allocate Elastic IP address

Last updated less than a minute ago Connect Instance state Actions Launch instances

Instances (5) Info

Find Instance by attribute or tag (case-sensitive)

All states

Instance state = running Clear filters

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
<input type="checkbox"/>	i-0d970aec8d7d4c166	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1b	-	-	-	-
<input type="checkbox"/>	i-07e98baa5c3711801	Running	t2.micro	Initializing	View alarms +	us-east-1b	-	-	-	-
<input type="checkbox"/>	i-068bec0d1ba1b61aa	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1b	-	-	-	-
<input type="checkbox"/>	i-0e6beb93c89fcf414	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a	ec2-35-175-192-121.co...	35.175.192.121	-	-
<input type="checkbox"/>	i-06a73ad6a9ad066e6	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a	ec2-34-207-229-111.co...	34.207.229.111	-	-

Instances

- Instances
- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances
- Dedicated Hosts
- Capacity Reservations

Images

- AMIs
- AMI Catalog

Elastic Block Store

- Volumes
- Snapshots
- Lifecycle Manager

Network & Security

- Security Groups
- Elastic IPs
- Placement Groups
- Key Pairs
- Network Interfaces

Select an instance

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Hello.. This is version 3 After permission

Developer Tools X

**CodeDeploy**

- ▶ Source • CodeCommit
- ▶ Artifacts • CodeArtifact
- ▶ Build • CodeBuild
- ▼ Deploy • CodeDeploy
  - Getting started
  - Deployments
  - Deployment**
  - Applications
  - Deployment configurations
  - On-premises instances
- ▶ Pipeline • CodePipeline
- ▶ Settings

Q Go to resource Feedback

i **Success**  
Traffic rerouting started

Developer Tools > CodeDeploy > Deployments > d-AQPBT0GRB

## d-AQPBT0GRB

Terminate

**Deployment status**

Step 1	Provisioning replacement instances	100%
2 of 2 replacement instances provisioned		<span style="color: green;">✔ Succeeded</span>
Step 2	Installing application on replacement instances	100%
2 of 2 instances updated		<span style="color: green;">✔ Succeeded</span>
Step 3	Rerouting traffic to replacement instances	100%
<span style="color: green;">✔ Succeeded</span>		
Step 4	Terminating original instances	0%
<span style="color: orange;">⌚ In progress</span>		

**Traffic shifting progress**

Monitor the process of rerouting traffic behind your load balancers from one set of instances to another. [Learn more](#)

Original	Replacement
0	2

**Deployment results info**

0 of 2 original instances	2 of 2 replacement instances
---------------------------	------------------------------