

The screenshot shows the AWS Elastic Beanstalk 'Create environment' wizard. The left sidebar lists steps: Step 1 (Configure environment, selected), Step 2 (Configure service access), Step 3 - optional (Set up networking, database, and tags), Step 4 - optional (Configure instance traffic and scaling), Step 5 - optional (Configure updates, monitoring, and logging), Step 6 (Review). The main content area is titled 'Configure environment'.

Environment tier Info

Amazon Elastic Beanstalk has two types of environment tiers to support different types of web applications.

Web server environment
Run a website, web application, or web API that serves HTTP requests. [Learn more](#)

Worker environment
Run a worker application that processes long-running workloads on demand or performs tasks on a schedule. [Learn more](#)

Application information Info

Application name

Maximum length of 100 characters.

Environment information Info

Choose the name, subdomain and description for your environment. These cannot be changed later.

Environment name

Must be from 4 to 40 characters in length. The name can contain only letters, numbers, and hyphens. It can't start or end with a hyphen. This name must be unique within a region in order to avoid conflicts with other environments.

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Go to Elastic BeansStalk

Click on Create Environment

The screenshot shows the AWS Elastic Beanstalk 'Create environment' wizard. The left sidebar lists steps: Step 1 (Configure environment, selected), Step 2 (Configure service access), Step 3 - optional (Set up networking, database, and tags), Step 4 - optional (Configure instance traffic and scaling), Step 5 - optional (Configure updates, monitoring, and logging), Step 6 (Review). The main content area is titled 'Configure environment'.

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Choose the name, subdomain and description for your environment. These cannot be changed later.

Environment name

Must be from 4 to 40 characters in length. The name can contain only letters, numbers, and hyphens. It can't start or end with a hyphen. This name must be unique within a region in your account.

Domain

 .us-east-1.elasticbeanstalk.com

► Environment description

Platform Info

Platform	Platform branch	Platform version
Node.js	Node.js 22 running on 64bit Amazon Linux 2023	6.7.1 (Recommended)

Application code Info

- Sample application
- Existing version
Application versions that you have uploaded.
- Upload your code
Upload a source bundle from your computer or copy one from Amazon S3.

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Select Node.JS 22 and sample application

Choose the name, subdomain and description for your environment. These cannot be changed later.

Environment name

Must be from 4 to 40 characters in length. The name can contain only letters, numbers, and hyphens. It can't start or end with a hyphen. This name must be unique within a region in your account.

Domain

 .us-east-1.elasticbeanstalk.com

► Environment description

Platform Info

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Application code Info

- Sample application
- Existing version
Application versions that you have uploaded.
- Upload your code
Upload a source bundle from your computer or copy one from Amazon S3.

Presets Info

Start from a preset that matches your use case or choose custom configuration to unset recommended values and use the service's default values.

Configuration presets

- Single instance (free tier eligible)
- Single instance (using spot instance)
- High availability
- High availability (using spot and on-demand instances)
- Custom configuration

Cancel **Next**

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Click on Next.
Create Service role

The screenshot shows the 'Configure service access' step of the 'Create environment' wizard. On the left, a sidebar lists steps: Step 1 (Configure environment), Step 2 (Configure service access, which is selected and highlighted in blue), Step 3 - optional (Set up networking, database, and tags), Step 4 - optional (Configure instance traffic and scaling), Step 5 - optional (Configure updates, monitoring, and logging), Step 6 (Review). The main content area is titled 'Configure service access' with a 'Info' link. It contains three sections: 'Service role', 'EC2 instance profile', and 'EC2 key pair - optional'. Each section has a dropdown menu labeled 'Choose a [service/instance/key pair] role/profile/pair' with a 'Create role' button next to it. At the bottom right are buttons for 'Cancel', 'Skip to review', 'Previous', and 'Next' (which is highlighted in orange).

Click on create role for service role
Keep as it is

The screenshot shows the 'Trusted entity type' step of the 'Create role' wizard. On the left, a sidebar lists steps: Step 2 (Add permissions, which is selected and highlighted in blue), Step 3 (Name, review, and create). The main content area is titled 'Trusted entity type' and contains five options: 'AWS service' (selected and highlighted in blue), 'AWS account', 'Web identity', 'SAML 2.0 federation', and 'Custom trust policy'. Below this is a 'Use case' section with a dropdown menu set to 'Elastic Beanstalk'. A note says 'Allow an AWS service like EC2, Lambda, or others to perform actions in this account.' At the bottom is a 'Service or use case' dropdown menu also set to 'Elastic Beanstalk'. The bottom right includes standard AWS navigation links: CloudShell, Feedback, Console Mobile App, Privacy, Terms, and Cookie preferences.

Click on next

The screenshot shows the 'Add permissions' step of the IAM role creation wizard. On the left, a sidebar lists three steps: 'Select trusted entity', 'Add permissions' (which is selected), and 'Name, review, and create'. The main area is titled 'Permissions policies (2) Info' and contains a table showing two AWS managed policies: 'AWSElasticBeanstalkEnhancedHealth' and 'AWSElasticBeanstalkManagedUpdatesCustomerRolePolicy'. Below this is a section titled 'Set permissions boundary - optional'. At the bottom right are 'Cancel', 'Previous', and 'Next' buttons.

The screenshot shows the 'Name, review, and create' step of the IAM role creation wizard. The sidebar shows 'Step 1: Select trusted entity', 'Step 2: Add permissions', and 'Step 3: Name, review, and create' (selected). The main area is titled 'Role details' and includes fields for 'Role name' (set to 'aws-elasticbeanstalk-service-role') and 'Description' (set to 'Allows access to other AWS service resources that are required to create and manage environments'). Below these is a note about character limits. At the bottom right are 'Edit' and 'Next' buttons.

Click on create Role

us-east-1.console.aws.amazon.com/iam/home?#/roles/create?selectedUseCase=EBEnvironment&selectedService=Elastic+Beanstalk&roleName=aws-elasticbeanstal... Account ID: 0070-2739-1193

Step 2: Add permissions

Permissions policy summary

Policy name	Type	Attached as
AWS:ElasticBeanstalkEnhancedHealth	AWS managed	Permissions policy
AWS:ElasticBeanstalkManagedUpdatesCustomerRolePolicy	AWS managed	Permissions policy

Step 3: Add tags

Add tags - optional Info

Tags are key-value pairs that you can add to AWS resources to help identify, organize, or search for resources.

No tags associated with the resource.

Add new tag

You can add up to 50 more tags.

Create role

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Refresh and attach role

us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/create-environment Account ID: 0070-2739-1193

Elastic Beanstalk > Create environment

Step 1 Configure environment
Step 2 Configure service access Configure service access Info
Step 3 - optional Set up networking, database, and tags
Step 4 - optional Configure instance traffic and scaling
Step 5 - optional Configure updates, monitoring, and logging
Step 6 Review

Configure service access Info

Service access
 IAM roles, assumed by Elastic Beanstalk as a service role, and EC2 instance profiles allow Elastic Beanstalk to create and manage your environment. Both the IAM role and instance profile must be attached to IAM managed policies that contain the required permissions. [Learn more](#)

Service role
 Choose an IAM role for Elastic Beanstalk to assume as a service role. The IAM role must have the required IAM managed policies.

aws-elasticbeanstalk-service-role Select Create role

EC2 key pair - optional
 Select an EC2 key pair to securely log in to your EC2 instances. [Learn more](#)

Choose a key pair Select

Next

Click on create role for ec2 instance

us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/create-environment

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Elastic Beanstalk > Create environment

Step 1 Configure environment

Step 2 **Configure service access**

Step 3 - optional

Step 4 - optional

Step 5 - optional

Step 6 Review

Configure service access Info

Service access
IAM roles, assumed by Elastic Beanstalk as a service role, and EC2 instance profiles allow Elastic Beanstalk to create and manage your environment. Both the IAM role and instance profile must be attached to IAM managed policies that contain the required permissions. [Learn more](#)

Service role
Choose an IAM role for Elastic Beanstalk to assume as a service role. The IAM role must have the required IAM managed policies.

aws-elasticbeanstalk-service-role Create role

EC2 instance profile
Choose an IAM instance profile with managed policies that allow your EC2 instances to perform required operations.

Choose a instance profile Create role

EC2 key pair - optional
Select an EC2 key pair to securely log in to your EC2 instances. [Learn more](#)

Choose a key pair Create role

Cancel Skip to review Previous Next

<https://us-east-1.console.aws.amazon.com/iam/home?#roles/create?selectedUseCase=EBInstanceProfile&selectedService=Elastic+Beanstalk&roleName=aws-elasticbeanstalk-ec2-role> Inc. or its affiliates. Privacy Terms Cookie preferences

Leave Defaults

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IAM > Roles > Create role

Step 1 **Select trusted entity**

Step 2 Add permissions

Step 3 Name, review, and create

Select trusted entity Info

Trusted entity type

AWS service Allow AWS services like EC2, Lambda, or others to perform actions in this account.

AWS account Allow entities in other AWS accounts belonging to you or a 3rd party to perform actions in this account.

Web identity Allows users federated by the specified external web identity provider to assume this role to perform actions in this account.

SAML 2.0 federation Allow users federated with SAML 2.0 from a corporate directory to perform actions in this account.

Custom trust policy Create a custom trust policy to enable others to perform actions in this account.

Use case
Allow an AWS service like EC2, Lambda, or others to perform actions in this account.

Service or use case
 Elastic Beanstalk

Choose a use case for the specified service.
Use case

Elastic Beanstalk - Compute Allows your environment's EC2 instances to perform operations required for your application.

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The screenshot shows the 'Add permissions' step of the IAM role creation wizard. The left sidebar indicates three steps: 'Select trusted entity', 'Add permissions' (which is selected), and 'Name, review, and create'. The main area displays a table of three AWS managed policies: 'AWSElasticBeanstalkMulticontainerDocker', 'AWSElasticBeanstalkWebTier', and 'AWSElasticBeanstalkWorkerTier'. A note below the table says 'The type of role that you selected requires the following policy.' Below the table is a section titled 'Set permissions boundary - optional'. At the bottom right are 'Cancel', 'Previous', and 'Next' buttons.

All Default Click on create Role

The screenshot shows the 'Step 2: Add permissions' section of the IAM role creation wizard. It includes a 'Permissions policy summary' table with three entries: 'AWSElasticBeanstalkMulticontainerDocker', 'AWSElasticBeanstalkWebTier', and 'AWSElasticBeanstalkWorkerTier', all listed as 'Permissions policy'. Below this is a 'Step 3: Add tags' section with a note about adding key-value pairs for identification. At the bottom right are 'Edit', 'Cancel', 'Previous', and 'Create role' buttons.

Refresh and attach role and also key pair

Step 1
Configure environment

Step 2
Configure service access

Step 3 - optional
Set up networking, database, and tags

Step 4 - optional
Configure instance traffic and scaling

Step 5 - optional
Configure updates, monitoring, and logging

Step 6
Review

Configure service access

Service access
IAM roles, assumed by Elastic Beanstalk as a service role, and EC2 instance profiles allow Elastic Beanstalk to create and manage your environment. Both the IAM role and instance profile must be attached to IAM managed policies that contain the required permissions. [Learn more](#)

Service role
Choose an IAM role for Elastic Beanstalk to assume as a service role. The IAM role must have the required IAM managed policies.

[Create role](#)

EC2 instance profile
Choose an IAM instance profile with managed policies that allow your EC2 instances to perform required operations.

[Create role](#)

EC2 key pair - optional
Select an EC2 key pair to securely log in to your EC2 instances. [Learn more](#)

[Create key pair](#)

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

Click on Next

Step 2
Configure service access

Step 3 - optional
Set up networking, database, and tags

Step 4 - optional
Configure instance traffic and scaling

Step 5 - optional
Configure updates, monitoring, and logging

Step 6
Review

Instance settings
Choose a subnet in each AZ for the instances that run your application. To avoid exposing your instances to the Internet, run your instances in private subnets and load balancer in public subnets. To run your load balancer and instances in the same public subnets, assign public IP addresses to the instances. [Learn more](#)

VPC
Launch your environment in a custom VPC instead of the default VPC. You can create a VPC and subnets in the VPC management console. [Learn more](#)

[Create VPC](#)

Public IP address
Assign a public IP address to the Amazon EC2 instances in your environment.

Enable

Instance subnets

<input type="text" value="Filter instance subnets"/>	Availability Zone	Subnet	CIDR	Name
<input checked="" type="checkbox"/>	us-east-1e	subnet-02dc6120e91d941fc	172.31.48.0/20	
<input checked="" type="checkbox"/>	us-east-1d	subnet-04a5e715af0fdb6d5	172.31.32.0/20	
<input type="checkbox"/>	us-east-1c	subnet-06c594c1bcbf4b606	172.31.16.0/20	
<input type="checkbox"/>	us-east-1f	subnet-0bf89293d9c9e1cc8	172.31.64.0/20	
<input type="checkbox"/>	us-east-1a	subnet-0c6a9d8fd44a37041	172.31.0.0/20	
<input type="checkbox"/>	us-east-1b	subnet-0ce9ab5677af3b06e	172.31.80.0/20	

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Choose default VPC and default Subnet
Click on Next. Leave Default and Skip to Review

us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/create-environment

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aws Search [Option+S] Ask Amazon Q United States (N. Virginia) Account ID: 0070-2739-1193 Gopi

Elastic Beanstalk > Create environment

Single instance

Fleet composition
Spot Instances are launched at the lowest available price. [Learn more](#)

On-Demand instance

Spot instance

Architecture
The processor architecture determines the instance types that are made available. You can't change this selection after you create the environment. [Learn more](#)

x86_64
This architecture uses x86 processors and is compatible with most third-party tools and libraries.

arm64
This architecture uses AWS Graviton processors. You might have to recompile some third-party tools and libraries.

Instance types
Add instance types for your environment with your preferred launch order. The order preference only applies to On-Demand Instances and Spot Instances that use the capacity optimized prioritized allocation strategy. We recommend you include at least two instance types. [Learn more](#)

1. t2.small

Add instance type

AMI ID
Elastic Beanstalk selects a default Amazon Machine Image (AMI) for your environment based on the Region, platform version, and processor architecture that you choose. [Learn more](#)

ami-0c1143279a5481f9c

Cancel Skip to review Previous Next

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Click on Create

us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/create-environment

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aws Search [Option+S] Ask Amazon Q United States (N. Virginia) Account ID: 0070-2739-1193 Gopi

Elastic Beanstalk > Create environment

Command timeout	Deployment policy	Health threshold
600	AllAtOnce	Ok
Ignore health check	Instance replacement	
false	false	
Platform software		
Lifecycle	Log streaming	Proxy server
false	Disabled	nginx
Logs retention	Rotate logs	Update level
7	Disabled	minor
X-Ray enabled		
Disabled		
Environment properties		
Source	Key	Value
No environment properties There are no environment properties defined		

Cancel Previous Create

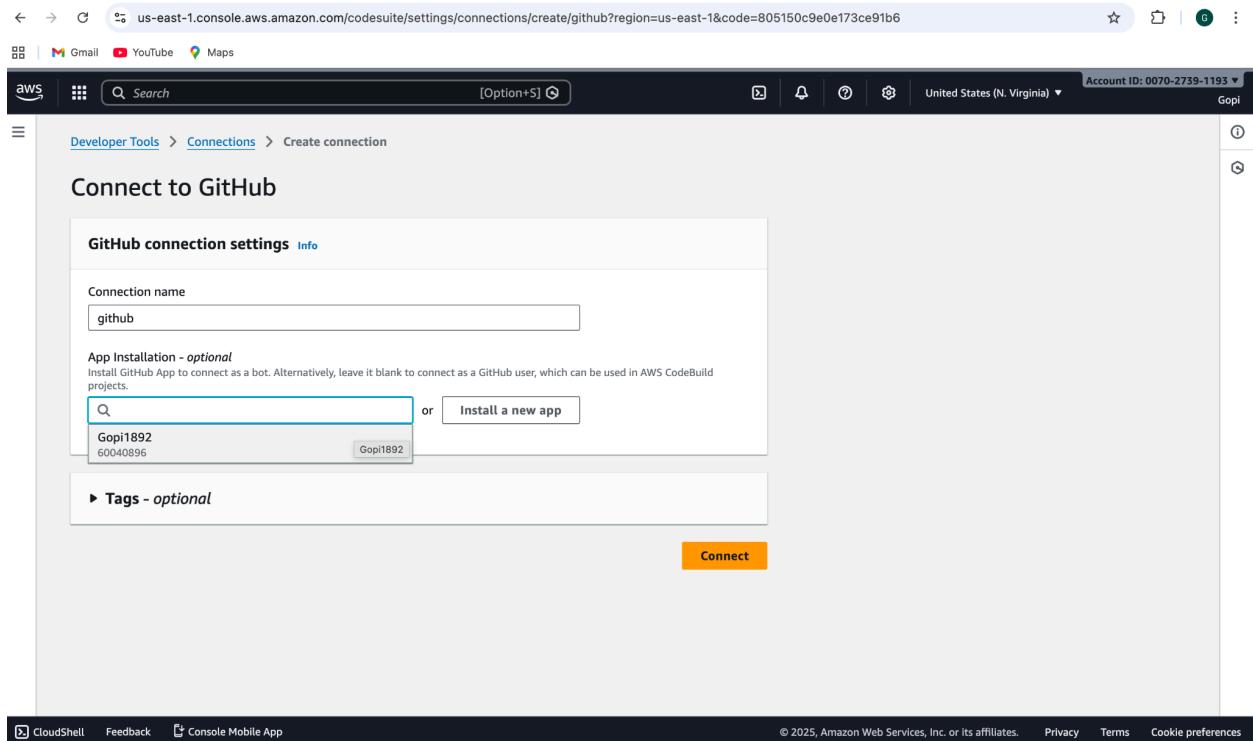
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The screenshot shows the AWS CodePipeline Settings - Connections page. On the left, there's a sidebar titled "Developer Tools Settings" with sections for Source, Artifacts, Build, Deploy, Pipeline, and Settings. Under Settings, there are "Notification rules" and "Connections". Below these are links to "Go to resource" and "Feedback". The main content area has a header "Developer Tools > Connections" with tabs for "Connections" (selected) and "Hosts". A sub-header "Connections Info" includes buttons for "View details", "Update pending connection", "Delete", and "Create connection". A search bar is present above a table. The table has columns for Connection name, Provider, Status, and ARN. A message "No results" indicates there are no results to display. At the bottom of the page, there are links to CloudShell, Feedback, and Console Mobile App, along with copyright information and links to Privacy, Terms, and Cookie preferences.

Go to CodePipeline — Settings — Connection – Create Connection

The screenshot shows the "Create a connection" wizard for GitHub. The top navigation bar shows the URL "us-east-1.console.aws.amazon.com/codesuite/settings/connections/create?origin=settings®ion=us-east-1". The main title is "Create a connection" with an "Info" link. The first section is "Select a provider" with radio buttons for Bitbucket, GitHub (which is selected), GitHub Enterprise Server, GitLab, GitLab self-managed, and Azure DevOps. The second section is "Create GitHub App connection" with an "Info" link. It contains fields for "Connection name" (set to "github") and "Tags - optional". A "Connect to GitHub" button is at the bottom right. The footer includes links to CloudShell, Feedback, and Console Mobile App, along with copyright information and links to Privacy, Terms, and Cookie preferences.

Click on connect to github



Select your account

Click on Connect

The screenshot shows the AWS Code Connection settings for GitHub. At the top, there is a green banner stating "Connection github created successfully". Below it, the navigation bar includes "Developer Tools" > "Connections" > "af64e074-ad00-434a-ab5f-a6f59f72dd03". The main section is titled "github" and contains "Connection settings". It lists the connection details: Name (github), Provider (GitHub), Status (Available), and Arn (arn:aws:codeconnections:us-east-1:007027391193:connection/af64e074-ad00-434a-ab5f-a6f59f72dd03). Below this, there is a "Use this connection" section with three options: "Set up GitHub Actions self-hosted runners" (Used by AWS CodeBuild), "Start builds from your repositories" (Used by AWS CodeBuild), and "Trigger a release" (Used by AWS CodePipeline). The bottom of the page includes standard AWS footer links like CloudShell, Feedback, and Console Mobile App.

Go to Github and create a repo with following file
https://github.com/Gopi1892/Elastic_Beanstalk_Applicatio
n

Go to Elastic Beanstalk
Check environment

The screenshot shows the AWS Elastic Beanstalk environments list. The left sidebar has "Elastic Beanstalk" selected under "Environments". The main area displays "Environments (2) Info" with a table showing two environments: "Devops-env" (Status: OK, Application: devops, Platform: Node.js 2..., Domain: Devops-env.eba-gsujmmax.us..., Tier: WebServer).

Its working. Click on environment
Click on Domain

us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1#/environment/dashboard?environmentId=e-dzd6yh7pj

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Elastic Beanstalk > Environments > Devops-env

Devops-env Info

Environment overview

Health **OK**

Domain [Devops-env.eba-gsujmmax.us-east-1.elasticbeanstalk.com](#)

Environment ID [e-dzd6yh7pj](#)

Application name **devops**

Platform

Platform **Node.js 22 running on 64bit Amazon Linux 2023/6.1**

Running version **-**

Platform state **Supported**

Events | Health | Logs | Monitoring | Alarms | Managed updates | Tags

Events (11) Info

Time	Type	Details
December 18, 2025 23:24:18 (UTC+5:30)	INFO	Environment health has transitioned from Pending to Ok. Initialization completed 7 seconds ago and took 2 minutes.
December 18, 2025 23:24:18 (UTC+5:30)	INFO	Added instance [i-05f429d00d12ca0d5] to your environment.
December 18, 2025 23:24:17 (UTC+5:30)	INFO	Successfully launched new instances for Devops-env.

devops-env.eba-gsujmmax.us-east-1.elasticbeanstalk.com

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You will find like this

Not Secure devops-env.eba-gsujmmax.us-east-1.elasticbeanstalk.com

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AWS Elastic Beanstalk

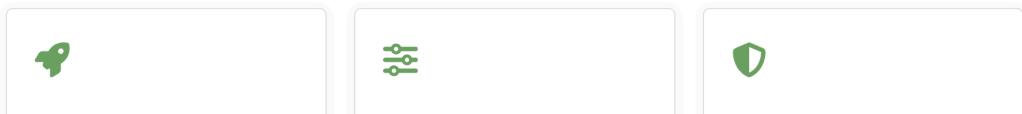
Welcome to Your Elastic Beanstalk Application

Congratulations! Your Node.js application is now running on your own dedicated environment in the AWS Cloud.

Learn More

Benefits of AWS Elastic Beanstalk

Discover why thousands of developers rely on AWS Elastic Beanstalk to deploy and manage their applications.



Now go to Code pipeline— Click on create pipeline

The screenshot shows the AWS CodePipeline console. On the left, there's a navigation sidebar with sections like Source, Artifacts, Build, Deploy, Pipeline, Pipelines, Account metrics, and Settings. Below these are links for Go to resource and Feedback. The main area is titled "Pipelines" and has a search bar. It includes buttons for View history, Release change, Delete pipeline, and Create pipeline. A message says "No results" and "There are no results to display." At the bottom, there are links for cloudShell, Feedback, and Console Mobile App, along with copyright information and links for Privacy, Terms, and Cookie preferences.

The screenshot shows the "Choose creation option" step of the AWS CodePipeline pipeline creation wizard. The title is "Step 1 of 7". It features a "Category" section with three radio button options: Deployment, Continuous Integration, Automation, and Build custom pipeline. The "Build custom pipeline" option is selected and highlighted with a blue border. At the bottom right are "Cancel" and "Next" buttons. To the left of the main form, there's a sidebar with steps: Step 1 (Choose creation option), Step 2 (Choose pipeline settings), Step 3 (Add source stage), Step 4 - optional (Add build stage), Step 5 - optional (Add test stage), Step 6 (Add deploy stage), and Step 7 (Review). The bottom of the screen has links for CloudShell, Feedback, and Console Mobile App, along with copyright information and links for Privacy, Terms, and Cookie preferences.

Click on Build Custom Pipeline

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

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Search [Option+S]

Account ID: 0070-2739-1193 ▾ Gopi

Developer Tools > CodePipeline > Pipelines > Create new pipeline

settings

Step 3
Add source stage

Step 4 - optional
Add build stage

Step 5 - optional
Add test stage

Step 6
Add deploy stage

Step 7
Review

Pipeline name
Enter the pipeline name. You cannot edit the pipeline name after it is created.
CICD
No more than 100 characters

Execution mode Info
Choose the execution mode for your pipeline. This determines how the pipeline is run.
 Superseded
 Queued
 Parallel

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
AWSCodePipelineServiceRole-us-east-1-CICD
Type your service role name
 Allow AWS CodePipeline to create a service role so it can be used with this new pipeline

Advanced settings
Configure artifact store location, encryption settings, and pipeline variables for your pipeline.

Cancel Previous Next

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Give the name and click on create New Service Role Click on Next

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

Gmail YouTube Maps

Search [Option+S]

Account ID: 0070-2739-1193 ▾ Gopi

Developer Tools > CodePipeline > Pipelines > Create new pipeline

Step 1
Choose creation option

Step 2
Choose pipeline settings

Step 3
Add source stage Info
Step 3 of 7

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.
Connect to GitHub

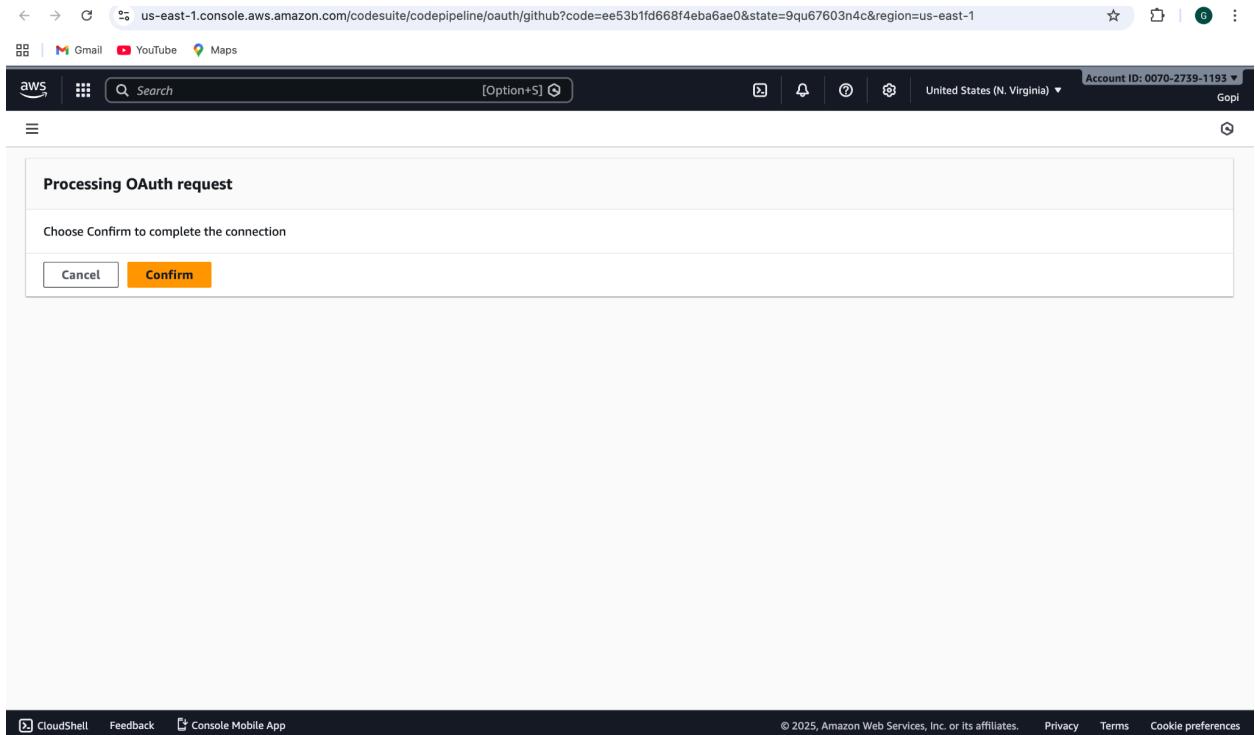
The GitHub (via OAuth app) action is not recommended
The selected action uses OAuth apps to access your GitHub repository. This is no longer the recommended method. Instead, choose the GitHub (via GitHub App) action to access your repository by creating a connection. Connections use GitHub Apps to manage authentication and can be shared with other resources. [Learn more ↗](#)

Enable automatic retry on stage failure

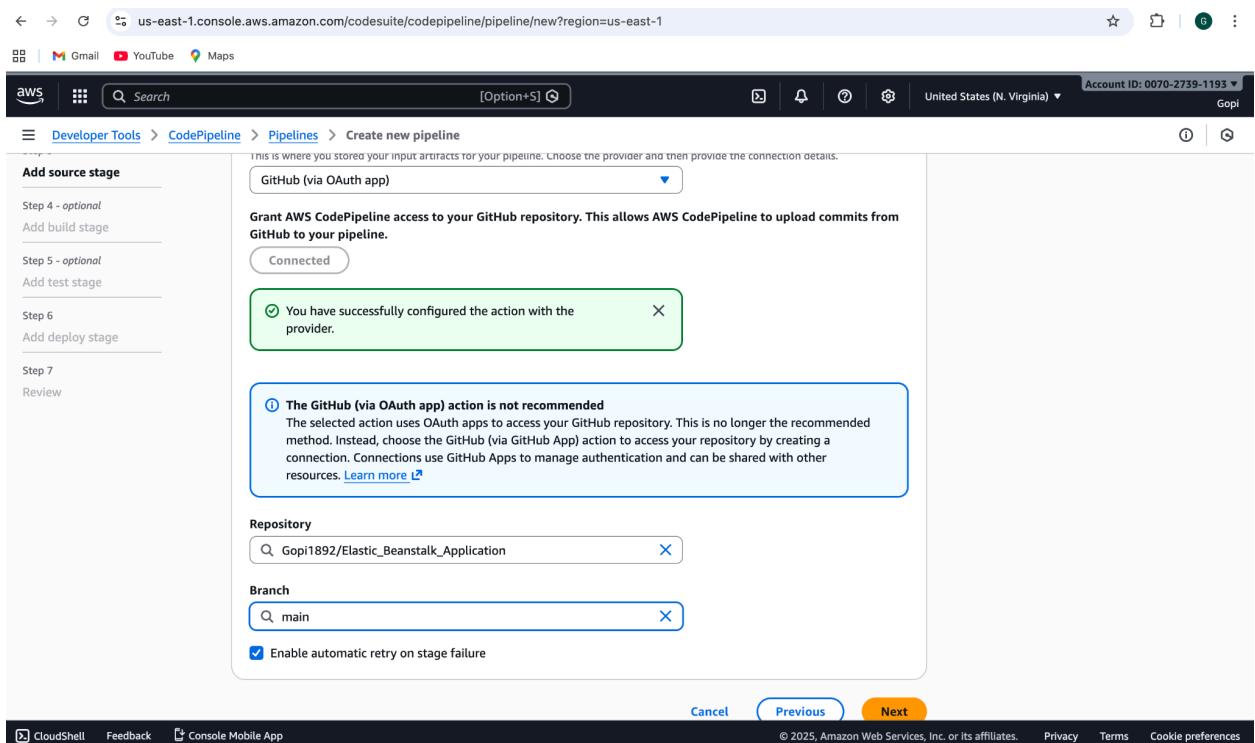
Cancel Previous Next

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Click on connect to github



Click on Confirm



Select Repo Name and Branch

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

Developer Tools > CodePipeline > Pipelines > Create new pipeline

Step 4 - optional
Add build stage

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

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

Environment variables - optional
Key value pair that is supplied to actions with managed compute.

Add environment variable

VPC ID
Specify the VPC ID that your compute action will use.

Additional configuration
Environment type, compute

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

SourceArtifact

Defined by: Source

Enable automatic retry on stage failure

Cancel Previous Skip build stage Next

Click on Skip Build Stage

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

Developer Tools > CodePipeline > Pipelines > Create new pipeline

Step 1 Choose creation option

Step 2 Choose pipeline settings

Step 3 Add source stage

Step 4 - optional
Add build stage

Step 5 - optional
Add test stage

Step 6 Add deploy stage

Step 7 Review

Add test stage - optional [Info](#)

Step 5 of 7

Test - optional

Test provider
Choose how you want to test your application or content. Choose the provider, and then provide the configuration details for that provider.

Enable automatic retry on stage failure

Cancel Previous Skip test stage Next

Click on Skip Test Stage
Click on Deploy. Select Elastic Beanstalk

Step 1
Choose creation option

Step 2
Choose pipeline settings

Step 3
Add source stage

Step 4 - optional
Add build stage

Step 5 - optional
Add test stage

Step 6
Add deploy stage

Step 7
Review

Add deploy stage Info

Step 6 of 7

Deploy - optional

Deploy provider
Choose how you want to deploy your application or content. Choose the provider, and then provide the configuration details for that provider.

AWS Elastic Beanstalk

Region
United States (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 Elastic Beanstalk console. Or create an application in the AWS Elastic Beanstalk console and then return to this task.

devops

Environment name
Choose an environment that you have already created in the AWS Elastic Beanstalk console. Or create an environment in the AWS Elastic Beanstalk console and then return to this task.

Devops-env

Configure automatic rollback on stage failure

Enable automatic retry on stage failure

CloudShell Feedback Console Mobile App

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Choose

Step 1
Choose creation option

Step 2
Choose pipeline settings

Step 3
Add source stage

Step 4 - optional
Add build stage

Step 5 - optional
Add test stage

Step 6
Add deploy stage

Step 7
Review

Add build stage

Step 5 - optional

Add test stage

Add deploy stage

Build - optional

Region
United States (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 Elastic Beanstalk console. Or create an application in the AWS Elastic Beanstalk console and then return to this task.

devops

Environment name
Choose an environment that you have already created in the AWS Elastic Beanstalk console. Or create an environment in the AWS Elastic Beanstalk console and then return to this task.

Devops-env

Configure automatic rollback on stage failure

Enable automatic retry on stage failure

Cancel Previous Skip deploy stage Next

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Application Name and Environment
Click on Next and Create

The screenshot shows the AWS CodePipeline 'Create new pipeline' process at Step 6: Add deploy stage. The configuration includes:

- Deploy action provider:** AWS Elastic Beanstalk
- ApplicationName:** devops
- EnvironmentName:** Devops-env
- Configure automatic rollback on stage failure:** Enabled
- Enable automatic retry on stage failure:** Disabled

At the bottom, there are 'Cancel', 'Previous', and 'Create pipeline' buttons.

The screenshot shows the AWS CodePipeline pipeline view for CICD. It displays:

- A blue banner message: "Introducing the new pipeline experience. We've redesigned the pipeline view to streamline the monitoring and debugging experience. Continue to the new console." with a "Don't show again" button.
- A green success message: "Success Congratulations! The pipeline CICD has been created." with a close button.
- The pipeline name: CICD
- Pipeline type: V2 Execution mode: QUEUED
- A detailed view of the first stage, Source:
 - Source: GitHub (via OAuth app)
 - Status: In progress
 - Last updated: Dec 18, 2025 11:42 PM (UTC+5:30)
 - View details button
- An arrow pointing down to a "Disable transition" button.

At the bottom, there are 'CloudShell', 'Feedback', 'Console Mobile App' buttons and copyright information: © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences.

You would see deploy failed

The screenshot shows the AWS CodePipeline console. At the top, the URL is us-east-1.console.aws.amazon.com/codesuite/codepipeline/pipelines/CICD/view?region=us-east-1. The pipeline name is CICD. The pipeline execution ID is f21f990c-cae3-45da-89c5-e1dbc7be644f. The execution status is Failed. The pipeline stages are:

- Source**: GitHub (via OAuth app) - Succeeded (Dec 18, 2025 11:42 PM (UTC+5:30))
- Deploy**: AWS Elastic Beanstalk - Failed (Dec 18, 2025 11:42 PM (UTC+5:30))

Buttons available for the Deploy stage include Start rollback, Retry stage, and Retry failed actions. A red arrow points from the Deploy stage to a "Disable transition" button.

Error

The screenshot shows the AWS CodePipeline console with the URL us-east-1.console.aws.amazon.com/codesuite/codepipeline/pipelines/CICD/debug?action=Deploy®ion=us-east-1&stage=Deploy. The pipeline execution details for the Deploy stage show the following information:

- Status**: Failed
- Action execution ID**: 7fed3321-7ce7-4450-9eb4-dafc47a4d228
- Error code**: Insufficient permissions
- Error message**: The provided role does not have the elasticbeanstalk>CreateApplicationVersion permission

Click on Edit

The screenshot shows two screenshots of the AWS CodePipeline console. The top screenshot displays the pipeline details for the 'CICD' pipeline. It shows a single step named 'Source' which has succeeded. The execution ID is f1f990c-cae3-45da-89c5-e1dbc7be644f. The execution mode is set to 'QUEUED'. The bottom screenshot shows the 'Settings' page for the same pipeline. The 'General' tab is selected, displaying pipeline details like name (CICD), ARN (arnaws:codepipeline:us-east-1:007027391193:CICD), service role ARN (arn:aws:iam::007027391193:role/service-role/AWSCodePipelineServiceRole-us-east-1-CICD), version (1), pipeline type (V2), and execution mode (QUEUED). The sidebar on the left provides navigation links for developer tools, pipelines, and specific pipeline actions.

Click on Setting.
Check the Role Name
Go to AWS Role. Check the role

Identity and Access Management (IAM)

Roles (15) Info

An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assumed by entities that you trust.

Role name	Trusted entities	Last activity
aws-elasticbeanstalk-ec2-role	AWS Service: ec2	18 days ago
aws-elasticbeanstalk-service-role	AWS Service: elasticbeanstalk	18 days ago
AWSCodePipelineServiceRole-us-east-1-CICD	AWS Service: codepipeline	-
AWSServiceRoleForAmazonElasticFileSystem	AWS Service: elasticfilesystem (Service-Linked Role)	33 days ago
AWSServiceRoleForAmazonSSM	AWS Service: ssm (Service-Linked Role)	1 hour ago
AWSServiceRoleForAutoScaling	AWS Service: autoscaling (Service-Linked Role)	45 minutes ago
AWSServiceRoleForBackup	AWS Service: backup (Service-Linked Role)	11 hours ago
AWSServiceRoleForOrganizations	AWS Service: organizations (Service-Linked Role)	-
AWSServiceRoleForRDS	AWS Service: rds (Service-Linked Role)	1 hour ago
AWSServiceRoleForResourceExplorer	AWS Service: resource-explorer-2 (Service-Linked Role)	56 minutes ago
AWSServiceRoleForSupport	AWS Service: support (Service-Linked Role)	-

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Click on add permission

Identity and Access Management (IAM)

AWSCodePipelineServiceRole-us-east-1-CICD

Summary

Creation date
December 18, 2025, 23:39 (UTC+05:30)

Last activity
[3 minutes ago](#)

ARN
[arn:aws:iam::007027391193:role/service-role/AWSCodePipelineServiceRole-us-east-1-CICD](#)

Maximum session duration
1 hour

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

Permissions policies (2) Info

You can attach up to 10 managed policies.

Policy name	Type	Attached entities
AWSCodePipelineServiceRole-us-east-1-CICD	Customer managed	1
CodePipeline-Commands-us-east-1-CICD	Customer managed	1

Permissions boundary (not set)

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Click on attach policies

The screenshot shows the AWS IAM Roles details page for the role `AWSCodePipelineServiceRole-us-east-1-CICD`. The left sidebar includes sections for Identity and Access Management (IAM), Access management (User groups, Users, Roles, Policies, Identity providers, Account settings, Root access management, Temporary delegation requests), Access reports (Access Analyzer, Resource analysis, Unused access, Analyzer settings, Credential report), and a search bar. The main content area displays the role's summary, including creation date (December 18, 2025, 23:39 UTC+05:30), last activity (3 minutes ago), ARN (arn:aws:iam::007027391193:role/service-role/AWSCodePipelineServiceRole-us-east-1-CICD), and maximum session duration (1 hour). Below this, tabs for Permissions, Trust relationships, Tags, Last Accessed, and Revoke sessions are visible. The Permissions tab is selected, showing two attached policies: `AWSCodePipelineServiceRole-us-east-1-CICD` (Customer managed) and `CodePipeline-Commands-us-east-1-CICD` (Customer managed). A 'Permissions boundary (not set)' section is also present. Buttons for Simulate, Remove, Add permissions, Attach policies, and Create inline policy are available.

Give administrator policy

The screenshot shows the AWS IAM Add Permissions page for the role `AWSCodePipelineServiceRole-us-east-1-CICD`. The left sidebar and top navigation bar are identical to the previous screenshot. The main content area shows the 'Attach policy to AWSCodePipelineServiceRole-us-east-1-CICD' section. Under 'Current permissions policies (2)', there is a list of two policies: `AWSCodePipelineServiceRole-us-east-1-CICD` and `CodePipeline-Commands-us-east-1-CICD`. Below this, a 'Other permissions policies (1/1115)' section is shown, filtered by 'elasti'. The list includes 58 matches, with the first item being `AdministratorAccess-AWSElasticBeanstalk`, which is highlighted with a blue border. Other listed policies include `AmazonDocDBElasticFullAccess`, `AmazonDocDBElasticReadOnlyAccess`, `AmazonElastiCacheFullAccess`, `AmazonElastiCacheReadOnlyAccess`, `AmazonElasticContainerRegistryPublicFullAccess`, `AmazonElasticContainerRegistryPublicPowerUser`, `AmazonElasticContainerRegistryPublicReadOnly`, and `AmazonElasticFileSystemClientFullAccess`. A 'CloudShell' button is at the bottom left, and a footer bar at the bottom right contains links for CloudShell, Feedback, Console Mobile App, Privacy, Terms, and Cookie preferences.

Click on Add permission
Go to Code Pipeline

Click on Retry Stage

The screenshot shows the AWS CodePipeline console with the pipeline execution ID: f21f990c-cae3-45da-89c5-e1dbc7be644f. The Source stage is listed as Succeeded with a timestamp of Dec 18, 2025 11:42 PM (UTC+5:30) and a commit ID of 7d8bf1e3. Below it, the Deploy stage is listed as Failed. A large downward arrow points from the Source stage to the Deploy stage. To the right of the Deploy stage, there are three buttons: Start rollback, Retry stage, and Retry failed actions. The Deploy stage card also includes a link to AWS Elastic Beanstalk.

Deployment will happen

The screenshot shows the AWS CodePipeline console with the pipeline execution ID: f21f990c-cae3-45da-89c5-e1dbc7be644f. The Source stage is listed as Succeeded with a timestamp of Dec 18, 2025 11:42 PM (UTC+5:30) and a commit ID of 7d8bf1e3. Below it, the Deploy stage is listed as In progress. A large downward arrow points from the Source stage to the Deploy stage. The Deploy stage card includes a link to AWS Elastic Beanstalk and a note stating "Didn't Run" and "No executions yet".

Dec 18, 2025 11:42 PM (UTC+5:30)
7d8bf1e3
View details

7d8bf1e3 Source: Add files via upload

Disable transition

⌚ Deploy In progress
Pipeline execution ID: f21f990c-cae3-45da-89c5-e1dbc7be644f

Deploy AWS Elastic Beanstalk
⌚ In progress -
Dec 18, 2025 11:48 PM (UTC+5:30)
View details

7d8bf1e3 Source: Add files via upload

Once deployment is successful

Not Secure devops-env.eba-gsujmmax.us-east-1.elasticbeanstalk.com

AWS Elastic Beanstalk

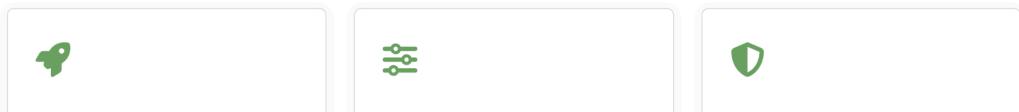
Welcome to Your Elastic Beanstalk Application

Congratulations! Your Node.js application is now running on your own dedicated environment in the AWS Cloud.

Learn More

Benefits of AWS Elastic Beanstalk

Discover why thousands of developers rely on AWS Elastic Beanstalk to deploy and manage their applications.



The UI will change

The screenshot shows the AWS CodePipeline console. A deployment step named 'Deploy' has succeeded. The execution ID is f21f990c-cae3-45da-89c5-e1dbc7be644f. The deployment was made via AWS Elastic Beanstalk and succeeded at 11:49 PM UTC on Dec 18, 2025. There is a 'Start rollback' button and a green checkmark icon next to the deployment status.

Refresh Page

The screenshot shows the AWS Elastic Beanstalk deployment confirmation page. It displays a large 'Congratulations' message and a note that the first Node.js application is now running. The environment was launched with the Elastic Beanstalk Node.js Platform. On the right, there is a 'What's Next?' section with links to various AWS Elastic Beanstalk documentation pages.

Commit to Repo for test
Automatic Deployment will happen

