

Edit inbound rules Info

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules Info

Security group rule ID	Type <small>Info</small>	Protocol <small>Info</small>	Port range <small>Info</small>	Source <small>Info</small>	Description - optional <small>Info</small>
------------------------	--------------------------	------------------------------	--------------------------------	----------------------------	--

sgr-078d88e0774d66b23	Custom TCP	TCP	8080	Custom	0.0.0.0/0 <small>X</small>
-----------------------	------------	-----	------	--------	----------------------------

sgr-07716345a7a27eeb9	HTTP	TCP	80	Custom	0.0.0.0/0 <small>X</small>
-----------------------	------	-----	----	--------	----------------------------

sgr-03707d6d6a0ac7721	SSH	TCP	22	Custom	0.0.0.0/0 <small>X</small>
-----------------------	-----	-----	----	--------	----------------------------

Add rule

Cancel

Preview changes

Save rules

Instances | EC2 Management Con X | Connect to instance | EC2 Manag X | +

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:instanceState=running

A Mumbai Bhageerath

aws Services Search [Alt+S]

New EC2 Experience Tell us what you think

EC2 Dashboard

EC2 Global View

Events

Tags

Limits

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

Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

Instance state = running Clear filters

Instance state Instance ID Instance state Instance type Status check Alarm status Availability Zone

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
jenkins	i-03c492920e6fd0530	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1b

ec2-user@ip-172-31-12-167:~

```
login as: ec2-user
Authenticating with public key "imported-openssh-key"

Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-12-167 ~]$
```

Private IPv4 addresses

172.31.12.167

Public IPv4 DNS

ec2-3-111-55-45.ap-south-1.compute.amazonaws.com | open address

Elastic IP addresses

Auto-assigned IP address

3.111.55.45 [Public IP]

VPC ID

vpc-077141e3912c9bf38

© 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

Feedback Language

Type here to search

1:40 PM
3/2/2023

ec2-user@ip-172-31-12-167:~

login as: ec2-user
Authenticating with public key "imported-openssh-key"

Amazon Linux 2 AMI

<https://aws.amazon.com/amazon-linux-2/>

```
[ec2-user@ip-172-31-12-167 ~]$ sudo yum update -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
```

No packages marked for update

```
[ec2-user@ip-172-31-12-167 ~]$ sudo wget -O /etc/yum.repos.d/jenkins.repo \
> https://pkg.jenkins.io/redhat-stable/jenkins.repo
--2023-03-02 08:17:43-- https://pkg.jenkins.io/redhat-stable/jenkins.repo
Resolving pkg.jenkins.io (pkg.jenkins.io) ... 151.101.154.133, 2a04:4e42:24::645
Connecting to pkg.jenkins.io (pkg.jenkins.io)|151.101.154.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 85
Saving to: '/etc/yum.repos.d/jenkins.repo'
```

100%[=====] 85 --.-K/s in 0s

2023-03-02 08:17:43 (5.60 MB/s) - '/etc/yum.repos.d/jenkins.repo' saved [85/85]

```
[ec2-user@ip-172-31-12-167 ~]$ sudo rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io.key
```

```
[ec2-user@ip-172-31-12-167 ~]$ sudo yum upgrade
```

```
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
```

jenkins	3.7 kB 00:00:00
jenkins/primary_db	2.9 kB 00:00:00
No packages marked for update	45 kB 00:00:00

```
[ec2-user@ip-172-31-12-167 ~]$ sudo amazon-linux-extras install java-openjdk11 -y
```

Installing java-11-openjdk

```
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
```

```
Cleaning repos: amzn2-core amzn2extra-docker amzn2extra-java-openjdk11 amzn2extra-kernel-5.10 jenkins
```

19 metadata files removed

8 sqlite files removed



Type here to search



1:50 PM

3/2/2023



[ec2-user@ip-172-31-12-167:~

```
[ec2-user@ip-172-31-12-167 ~]$ sudo yum install jenkins -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
--> Package jenkins.noarch 0:2.375.3-1.1 will be installed
--> Finished Dependency Resolution
```

Dependencies Resolved

Package	Arch	Version	Repository	Size
Installing:				
jenkins	noarch	2.375.3-1.1	jenkins	90 M

Transaction Summary

Install 1 Package

Total download size: 90 M

Installed size: 90 M

Downloading packages:

jenkins-2.375.3-1.1.noarch.rpm | 90 MB 00:00:20

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Installing : jenkins-2.375.3-1.1.noarch	1/1
Verifying : jenkins-2.375.3-1.1.noarch	1/1

Installed:

jenkins.noarch 0:2.375.3-1.1

Complete!

```
[ec2-user@ip-172-31-12-167 ~]$
```



Type here to search



1:51 PM
3/2/2023



```
[ec2-user@ip-172-31-12-167 ~]$ sudo systemctl enable jenkins
Created symlink from /etc/systemd/system/multi-user.target.wants/jenkins.service to /usr/lib/systemd/system/jenkins.service.
[ec2-user@ip-172-31-12-167 ~]$ sudo systemctl start jenkins
[ec2-user@ip-172-31-12-167 ~]$ sudo systemctl status jenkins
● jenkins.service - Jenkins Continuous Integration Server
  Loaded: loaded (/usr/lib/systemd/system/jenkins.service; enabled; vendor preset: disabled)
  Active: active (running) since Thu 2023-03-02 08:22:49 UTC; 1min 4s ago
    Main PID: 4417 (java)
   CGroup: /system.slice/jenkins.service
           └─4417 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=%C/jenkins/war --httpPort=...

Mar 02 08:22:15 ip-172-31-12-167.ap-south-1.compute.internal jenkins[4417]: 2c30e7bc9ec34bd6b0ba9ddce8b51d06
Mar 02 08:22:15 ip-172-31-12-167.ap-south-1.compute.internal jenkins[4417]: This may also be found at: /var/lib/jenkins/sec...ord
Mar 02 08:22:15 ip-172-31-12-167.ap-south-1.compute.internal jenkins[4417]: ****
Mar 02 08:22:15 ip-172-31-12-167.ap-south-1.compute.internal jenkins[4417]: ****
Mar 02 08:22:15 ip-172-31-12-167.ap-south-1.compute.internal jenkins[4417]: ****
Mar 02 08:22:49 ip-172-31-12-167.ap-south-1.compute.internal jenkins[4417]: 2023-03-02 08:22:49.708+0000 [id=29]           INF...ion
Mar 02 08:22:49 ip-172-31-12-167.ap-south-1.compute.internal jenkins[4417]: 2023-03-02 08:22:49.733+0000 [id=23]           INF...ing
Mar 02 08:22:49 ip-172-31-12-167.ap-south-1.compute.internal systemd[1]: Started Jenkins Continuous Integration Server.
Mar 02 08:22:50 ip-172-31-12-167.ap-south-1.compute.internal jenkins[4417]: 2023-03-02 08:22:50.560+0000 [id=45]           INF...ler
Mar 02 08:22:50 ip-172-31-12-167.ap-south-1.compute.internal jenkins[4417]: 2023-03-02 08:22:50.560+0000 [id=45]           INF... #1
Hint: Some lines were ellipsized, use -l to show in full.
[ec2-user@ip-172-31-12-167 ~]$
```

Getting Started

Unlock Jenkins

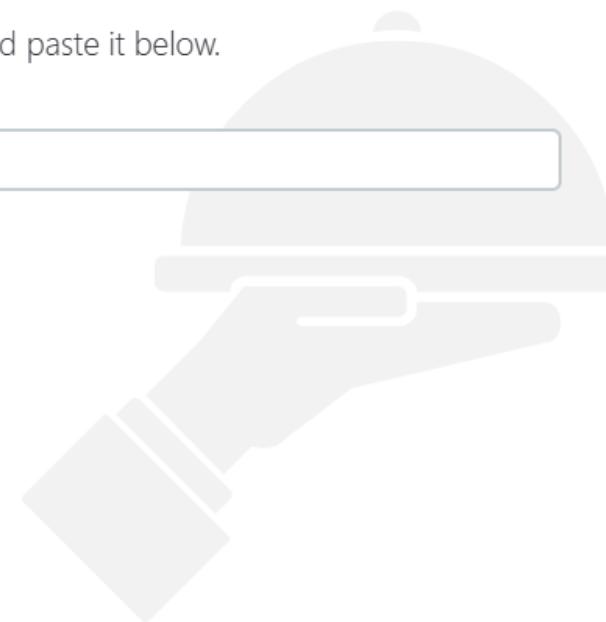
To ensure Jenkins is securely set up by the administrator, a password has been written to the log ([not sure where to find it?](#)) and this file on the server:

/var/lib/jenkins/secrets/initialAdminPassword

Please copy the password from either location and paste it below

Administrator password

For more information, contact the Office of the Vice President for Research and Economic Development at 515-294-6450 or research@iastate.edu.



Continue

```
[ec2-user@ip-172-31-12-167 var]$ sudo cat /var/lib/jenkins/secrets/initialAdminPassword  
2c30e7bc9ec34bd6b0ba9ddce8b51d06  
[ec2-user@ip-172-31-12-167 var]$ ^C  
[ec2-user@ip-172-31-12-167 var]$
```

Instances | EC2 Management Cor | Connect to instance | EC2 Manag | Setup Wizard [Jenkins] +

Not secure | 3.111.55.45:8080

Getting Started

Customize Jenkins

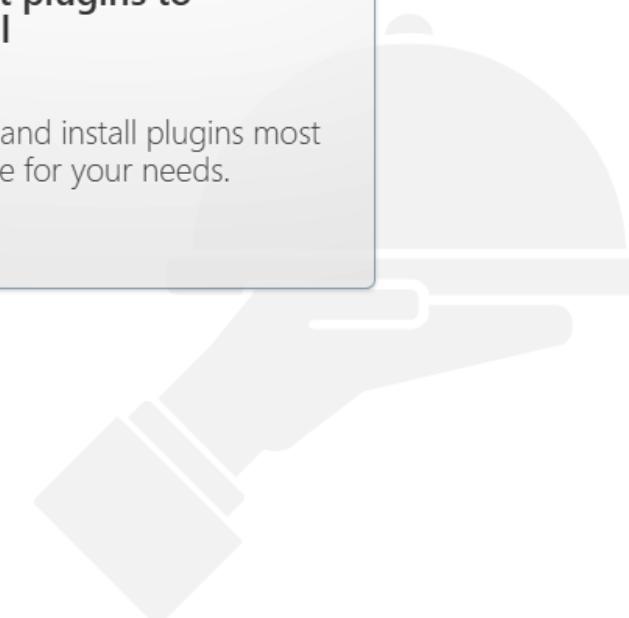
Plugins extend Jenkins with additional features to support many different needs.

Install suggested plugins

Install plugins the Jenkins community finds most useful.

Select plugins to install

Select and install plugins most suitable for your needs.



Jenkins 2.375.3

3.111.55.45:8080/#

Type here to search

2:04 PM
3/2/2023

Instances | EC2 Management Cor | Connect to instance | EC2 Manag | Setup Wizard [Jenkins] +

Not secure | 3.111.55.45:8080

Getting Started

Getting Started

Folders	OWASP Markup Formatter	Build Timeout	Credentials Binding
Timestamper	Workspace Cleanup	Ant	Gradle
Pipeline	GitHub Branch Source	Pipeline: GitHub Groovy Libraries	Pipeline: Stage View
Git	SSH Build Agents	Matrix Authorization Strategy	PAM Authentication
LDAP	Email Extension	Mailer	

** JavaBeans Activation Framework (JAF) API
** JavaMail API

** - required dependency

Jenkins 2.375.3

Type here to search

2:04 PM
3/2/2023

Jenkins

Dashboard > Manage Jenkins > Plugin Manager

Updates

Available plugins

Installed plugins

Advanced settings

≡ Download progress

Plugins

codepi

Name _____

AWS CodePipeline Plugin 0.4

AWS CodePipeline Integration

[Report an issue with this plugin](#)

Enabled



REST API

Jenkins 2.375.3

Instances | EC2 Management Cor | Connect to instance | EC2 Manag | New Item [Jenkins] | Not secure | 3.111.55.45:8080/view/all/newJob

Jenkins

Search (CTRL+K)

Dashboard > All >

Enter an item name

helloworld

» Required field

Freestyle project

This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

Pipeline

Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

Multi-configuration project

Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.

Folder

Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.

Multibranch Pipeline

OK

is a set of Pipeline projects according to detected branches in one SCM repository.

Type here to search

2:19 PM
3/2/2023

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

- User groups
- Users
- Roles
- Policies
- Identity providers
- Account settings

Access reports

- Access analyzer
- Archive rules
- Analyzers
- Settings
- Credential report
- Organization activity
- Service control policies (SCPs)

IAM dashboard

Security recommendations

- ⚠ Add MFA for root user**
Add MFA for root user - Enable multi-factor authentication (MFA) for the root user to improve security for this account.
- ✓ Root user has no active access keys**
Using access keys attached to an IAM user instead of the root user improves security.
- ⚠ Update your access permissions for AWS Billing, Cost Management, and Account consoles**
We are replacing the following IAM actions for Billing, Cost Management, and Account consoles with granular IAM actions: aws-portal:ViewBilling, aws-portal:ModifyBilling, aws-portal:ViewAccount, aws-portal:ModifyAccount, aws-portal:ViewPaymentMethods, aws-portal:ModifyPaymentMethods, aws-portal:ViewUsage, purchase-orders:ViewPurchaseOrders, and purchase-orders:ModifyPurchaseOrders. To ensure you don't lose access to AWS Billing, Cost Management, and Account console based features, update your existing IAM policies to include the new IAM actions before July 2023. Examples of features impacted include AWS Cost Explorer, AWS Budgets, Billing console, and more. For more information, please visit [blog](#).

IAM resources

User groups	Users	Roles	Policies	Identity providers
0	0	7	1	0

What's new

Updates for features in IAM

AWS Account

Account ID 885412901672

Account Alias 885412901672 [Create](#)

Sign-in URL for IAM users in this account <https://885412901672.sigin.aws.amazon.com/console>

Quick Links

- [My security credentials](#)
Manage your access keys, multi-factor authentication (MFA) and other credentials.

Tools

- [Policy simulator](#)
The simulator evaluates the policies that you choose and determines the effective permissions for each of the actions that you specify.
- [Web identity federation playground](#)
Authenticate yourself to any of the

Instances | EC2 Management Con X | IAM Management Console | Connect to instance | EC2 Manag X | helloworld Config [Jenkins] X | +

https://us-east-1.console.aws.amazon.com/iamv2/home?region=ap-south-1#/roles

A Global Bhageerath

aws Services Search [Alt+S]

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

- User groups
- Users
- Roles**
- Policies
- Identity providers
- Account settings

Access reports

- Access analyzer
- Archive rules
- Analyzers
- Settings

Credential report

Organization activity

Service control policies (SCPs)

Roles (7) 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.

Search Delete

<input type="checkbox"/>	Role name	Trusted entities	Last acti...
<input type="checkbox"/>	aws-elasticbeanstalk-ec2-role	AWS Service: ec2	Yesterday
<input type="checkbox"/>	aws-elasticbeanstalk-service-role	AWS Service: elasticbeanstalk	Yesterday
<input type="checkbox"/>	AWSCodePipelineServiceRole-ap-south-1-elastic_test	AWS Service: codepipeline	Yesterday
<input type="checkbox"/>	AWSServiceRoleForAutoScaling	AWS Service: autoscaling (Service-Linked Role)	Yesterday
<input type="checkbox"/>	AWSServiceRoleForElasticLoadBalancing	AWS Service: elasticloadbalancing (Service-Linked Role)	Yesterday
<input type="checkbox"/>	AWSServiceRoleForSupport	AWS Service: support (Service-Linked Role)	-
<input type="checkbox"/>	AWSServiceRoleForTrustedAdvisor	AWS Service: trustedadvisor (Service-Linked Role)	-

Roles Anywhere

Authenticate your non AWS workloads and securely provide access to AWS services.

Add permissions Info

Step 1

Step 2

Add permissions

Step 3

Permissions policies (817) Info

Choose one or more policies to attach to your new role.

 Create policy 

 Filter policies by property or policy name and press enter.

	Policy name	Type	Description
<input type="checkbox"/>	AWSCodePipelineServiceRole	Custom...	Policy used in trust relationship with CodePipeline
<input type="checkbox"/>	AWSDirectConnectConsoleAccess	AWS m...	Provides read only access to AWS Direct Connect via the AWS Management Console.
<input type="checkbox"/>	AmazonGlacierReadOnlyAccess	AWS m...	Provides read only access to Amazon Glacier via the AWS Management Console.
<input type="checkbox"/>	AWSMarketplaceFullAccess	AWS m...	Provides the ability to subscribe and unsubscribe to AWS Marketplace software, allow...
<input type="checkbox"/>	AWSSSODirectoryAdministratorAccess	AWS m...	Administrator access for SSO Directory
<input type="checkbox"/>	AWSIoT1ClickReadOnlyAccess	AWS m...	Provides read only access to AWS IoT 1-Click.
<input type="checkbox"/>	AutoScalingConsoleAccess	AWS m...	Provides read-only access to Auto Scaling via the AWS Management Console.
<input type="checkbox"/>	AmazonDMSRedshiftAccess	AWS m...	Provides access to manage S3 settings for Redshift endpoints for DMS.
<input type="checkbox"/>	AWSQuickSightListIAMEntitiesAccess	AWS m...	Allow QuickSight to list IAM entities
<input type="checkbox"/>	AWSHealthFullAccess	AWS m...	Allows full access to the AWS Health APIs and Notifications and the Personal Health D...
<input type="checkbox"/>	AlexaForBusinessGatewayAccess	AWS m...	Provide gateway execution access to AlexaForBusiness services

Instances | EC2 Management Cor X IAM Management Console X Connect to instance | EC2 Manag X helloworld Config [Jenkins] X +

https://us-east-1.console.aws.amazon.com/iamv2/home?region=ap-south-1#/roles/create?commonUseCase=EC2&policies=arn%3Aaws%3Aiam%3A%3Aaws%3Ap...

Services Search [Alt+S] Step 1 Select trusted entity Step 2 Add permissions Step 3 Name, review, and create Add permissions boundary - optional

Add permissions

Permissions policies (Selected 2/817) Choose one or more policies to attach to your new role.

Filter policies by property or policy name and press enter. 6 matches < 1 > Clear filters

Policy name	Type	Description
AWSCodePipelineServiceRole-ap-sout...	Custom...	Policy used in trust relationship with CodePipeline
AWSCodePipelineApproverAccess	AWS m...	Provides access to view and approve manual changes for all pipelines
AWSCodePipelineCustomActionAc...	AWS m...	Provides access for custom actions to poll for jobs details (including te...
<input checked="" type="checkbox"/> AWSCodePipeline_FullAccess	AWS m...	Provides full access to AWS CodePipeline via the AWS Management ...
AmazonSageMakerServiceCatalog...	AWS m...	Service role policy used by the AWS CodePipeline within the AWS Ser...
AWSCodePipeline_ReadOnlyAccess	AWS m...	Provides read only access to AWS CodePipeline via the AWS Manage...

Set permissions boundary - optional

Set a permissions boundary to control the maximum permissions this role can have. This is not a common setting, but you can use it to delegate permission management to others.

Cancel Previous Next

Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

Type here to search

2:31 PM 3/2/2023

Instances | EC2 Management Cor X IAM Management Console X Connect to instance | EC2 Manag X helloworld Config [Jenkins] X +

https://us-east-1.console.aws.amazon.com/iamv2/home?region=ap-south-1#/roles/create?commonUseCase=EC2&policies=arn%3Aaws%3Aiam%3A%3Aaws%3Ap...

Services Search [Alt+S]

aws Global Bhageerath

i Introducing the new IAM roles experience
We've redesigned the IAM roles experience to make it easier to use. [Let us know what you think.](#)

IAM > Roles > Create role

Step 1 Select trusted entity

Step 2 Add permissions

Step 3 Name, review, and create

Add permissions Info

Permissions policies (Selected 2/817) Info

Choose one or more policies to attach to your new role.

1 match < 1 >

<input checked="" type="checkbox"/> Policy name <input type="button"/>	Type <input type="button"/>	Description <input type="button"/>
<input checked="" type="checkbox"/> <input type="button"/> AmazonS3FullAccess	AWS m...	Provides full access to all buckets via the AWS Management Console.

Set permissions boundary - optional Info

Set a permissions boundary to control the maximum permissions this role can have. This is not a common setting, but you can use it to delegate permission management to others.

Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

Type here to search

2:31 PM 3/2/2023

Instances | EC2 Management Con X IAM Management Console X Connect to instance | EC2 Manag X helloworld Config [Jenkins] X +

https://us-east-1.console.aws.amazon.com/iamv2/home?region=ap-south-1#/roles/create?commonUseCase=EC2&policies=arn%3Aaws%3Aiam%3A%3Aaws%3Ap...

Services Search [Alt+S]

Step 2: Add permissions

Permissions policy summary

Policy name	Type	Attached as
AmazonS3FullAccess	AWS managed	Permissions policy
AWSCodePipeline_FullAccess	AWS managed	Permissions policy

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 tag

You can add up to 50 more tags.

Cancel Previous Create role



Instances | EC2 Management Con X | IAM Management Console | Connect to instance | EC2 Manag X | helloworld Config [Jenkins] X | +

https://us-east-1.console.aws.amazon.com/iamv2/home?region=ap-south-1#/roles

A Global Bhageerath

aws Services Search [Alt+S]

Identity and Access Management (IAM)

New! Securely access AWS services from your data center with IAM Roles Anywhere. [Learn more](#)

Role role-1 created.

Search IAM

Dashboard

Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

Access reports

Access analyzer

Archive rules

Analyzers

Settings

Credential report

Organization activity

Service control policies (SCPs)

IAM > Roles

Roles (8) [Info](#)

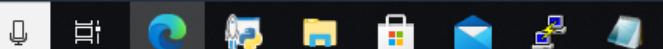
An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assumed by entities that you trust.

Search

<input type="checkbox"/>	Role name	Trusted entities	Last acti...
<input type="checkbox"/>	aws-elasticbeanstalk-ec2-role	AWS Service: ec2	Yesterday
<input type="checkbox"/>	aws-elasticbeanstalk-service-role	AWS Service: elasticbeanstalk	Yesterday
<input type="checkbox"/>	AWSCodePipelineServiceRole-ap-south-1-elastic_test	AWS Service: codepipeline	Yesterday
<input type="checkbox"/>	AWSServiceRoleForAutoScaling	AWS Service: autoscaling (Service-Linked Role)	Yesterday
<input type="checkbox"/>	AWSServiceRoleForElasticLoadBalancing	AWS Service: elasticloadbalancing (Service-Linked Role)	Yesterday
<input type="checkbox"/>	AWSServiceRoleForSupport	AWS Service: support (Service-Linked Role)	-
<input type="checkbox"/>	AWSServiceRoleForTrustedAdvisor	AWS Service: trustedadvisor (Service-Linked Role)	-
<input type="checkbox"/>	role-1	AWS Service: ec2	-



Type here to search



Modify IAM role | EC2 Management Console | IAM Management Console | Connect to instance | EC2 Management | helloworld Config [Jenkins]

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#ModifyIAMRoleInstanceId=i-03c492920e6fd0530

Services | iam | EC2 | Instances | i-03c492920e6fd0530 | Modify IAM role

Modify IAM role Info

Attach an IAM role to your instance.

Instance ID

i-03c492920e6fd0530 (jenkins)

IAM role

Select an IAM role to attach to your instance or create a new role if you haven't created any. The role you select replaces any roles that are currently attached to your instance.

role-1 ▼

Cancel

Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

Type here to search

2:37 PM 3/2/2023

Instances | EC2 Management Cor X IAM Management Console X Connect to instance | EC2 Manag X helloworld Config [Jenkins] X +

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:v=3;\$case=tags:true%5C,client:false;\$regex=tags:false%5C,client:false

aws Services Search iam X

New EC2 Experience Tell us what you think X

EC2 Dashboard

EC2 Global View

Events

Tags

Limits

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

Feedback Language

Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

Name Instance ID Instance state Instance type Status check Alarm status Availability Zone

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
jenkins	i-03c492920e6fd0530	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1b

Instance: i-03c492920e6fd0530 (jenkins)

Details Security Networking Storage Status checks Monitoring Tags

Security details

IAM Role: role-1 Owner ID: 885412901672 Launch time: Thu Mar 02 2023 13:29:08 GMT+0530 (India Standard Time)

Security groups: sg-08bc899a013b72418 (launch-wizard-7)

Inbound rules

Name	Security group rule ID	Port range	Protocol	Source	Security
-	sgr-078d88e0774d66b23	8080	TCP	0.0.0.0/0	launch-

Filter rules

© 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

2:37 PM 3/2/2023

Type here to search

Instances | EC2 Management Con | IAM Management Console | Connect to instance | EC2 Manag | helloworld Config [Jenkins] +

Not secure | 3.111.55.45:8080/job/helloworld/configure

Dashboard > helloworld > Configuration

Configure

Clear workspace before copying

CodePipeline Action Type ?

This value must match the Category field that is on the Custom Action in your corresponding Pipeline.

Category ?

Build

This value must match the Provider field that is on the Custom Action in your corresponding Pipeline.

Provider ?

Jenkins

This value must match the Version field that is on the Custom Action in your corresponding Pipeline.

Version ?

1

Save Apply

Type here to search

2:34 PM 3/2/2023

3

Instances | EC2 Management Con | IAM Management Console | Connect to instance | EC2 Manag | helloworld Config [Jenkins] +

Not secure | 3.111.55.45:8080/job/helloworld/configure

Dashboard > helloworld > Configuration

Configure

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

Build Triggers

Trigger builds remotely (e.g., from scripts) ?

Build after other projects are built ?

Build periodically ?

GitHub hook trigger for GITScm polling ?

Poll SCM ?

Schedule ?

⚠ Do you really mean "every minute" when you say "***"? Perhaps you meant "H *****" to poll once per hour**

Would last have run at Thursday, March 2, 2023 at 9:04:57 AM Coordinated Universal Time; would next run at Thursday, March 2, 2023 at 9:04:57 AM Coordinated Universal Time.

Ignore post-commit hooks ?

Build Environment

Save

Apply

Type here to search

2:35 PM
3/2/2023

Instances | EC2 Management Con X | IAM Management Console X | Connect to instance | EC2 Manag X | helloworld Config [Jenkins] X +

Not secure | 3.111.55.45:8080/job/helloworld/configure

Dashboard > helloworld > Configuration

Configure

Post-build Actions

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps
- Post-build Actions**

AWS CodePipeline Publisher

Output Locations

You can use the Location field to publish a file or folder in the workspace, or leave this field blank to publish everything in the workspace. Artifact name refers to the AWS CodePipeline action output artifact. You can leave this field blank or use it to match Jenkins locations and action output artifacts. If you leave the Artifact Name field blank for one artifact, you must leave all Artifact Name fields blank.

Location

/

Artifact Name

Add more

Add

Add post-build action ▾

Save

Apply

2:37 PM
3/2/2023

Jenkins

Q Search (CTRL+K)

1

6

bh

Image

erat

th ✓

4

→ 10

pg 0

ut

Dashboard > helloworld >

>Status

</> Changes

Workspace

► Build Now

Configuration

W. B. Lutz

 AWS Cloud Migration Reference Architecture

8

Project helloworld

 Add description

Disable Project

Permalinks

 Build History

trend. ▲

Atom feed for all Atom feed for failures

Instances | EC2 Management Co | CodePipeline - AWS Developer | IAM Management Console | Connect to instance | EC2 Man | helloworld [Jenkins]

https://ap-south-1.console.aws.amazon.com/codesuite/codepipeline/pipeline/new?region=ap-south-1

Services | Search [Alt+S]

Mumbai | Bhageerath

Developer Tools > CodePipeline > Pipelines > Create new pipeline

Step 1
Choose pipeline settings

Step 2
Add source stage

Step 3
Add build stage

Step 4
Add deploy stage

Step 5
Review

Choose pipeline settings Info

Pipeline settings

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

New service role
Create a service role in your account

Existing service role
Choose an existing service role from your account

Role name

Type your service role name

Allow AWS CodePipeline to create a service role so it can be used with this new pipeline

► Advanced settings

Cancel **Next**

Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

Type here to search

2:46 PM 3/2/2023

Instances | EC2 Manager X | CodePipeline - AWS Dev X | IAM Management Console X | Connect to instance | EC2 X | helloworld Config [Jenkir X | Bhageerath2/AWS-Jenkir X | +

https://ap-south-1.console.aws.amazon.com/codesuite/codepipeline/pipeline/new?region=ap-south-1

aws Services Search [Alt+S] Mumbai Bhageerath

Developer Tools > CodePipeline > Pipelines > Create new pipeline

Step 1 Review Info

Step 2 Choose pipeline settings

Step 3 Add source stage

Step 4 Add build stage

Step 5 Add deploy stage

Review

Step 1: Choose pipeline settings

Pipeline settings

Pipeline name	jane
Artifact location	codepipeline-ap-south-1-554932464632
Service role name	AWSCodePipelineServiceRole-ap-south-1-jane

Step 2: Add source stage

Source action provider

Source action provider	GitHub (Version 2)
OutputArtifactFormat	CODE_ZIP
ConnectionArn	

Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

Type here to search

3:13 PM 3/2/2023

Instances | EC2 Manager X | CodePipeline - AWS Dev X | IAM Management Conso X | Connect to instance | EC2 X | helloworld Config [Jenkir X | Bhageerath2/AWS-Jenkir X | +

https://ap-south-1.console.aws.amazon.com/codesuite/codepipeline/pipeline/new?region=ap-south-1

Services | Search [Alt+S] | [] | [] | [] | [] | Mumbai | Bhageerath | [i]

Step 2: Add source stage

Source action provider

Source action provider
GitHub (Version 2)
OutputArtifactFormat
CODE_ZIP
ConnectionArn
arn:aws:codestar-connections:ap-south-1:885412901672:connection/79c436d7-8150-45ba-b20c-7f4141828919
FullRepositoryId
Bhageerath2/AWS-Jenkins
BranchName
main

Step 3: Add build stage

Build action provider

Build action provider
Add Jenkins
ProviderName
Jenkins_build
Category

Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

Type here to search

3:13 PM 3/2/2023

Instances | EC2 Manager X | CodePipeline - AWS Dev X | IAM Management Console X | Connect to instance | EC2 X | helloworld Config [Jenkir X | Bhageerath2/AWS-Jenkir X | +

https://ap-south-1.console.aws.amazon.com/codesuite/codepipeline/pipeline/new?region=ap-south-1

Services | Search [Alt+S] | A+ | ☆ | ? | Mumbai | Bhageerath | i

Step 3: Add build stage

Build action provider

- Build action provider
- Add Jenkins
- ProviderName
- Jenkins_build
- Category
- Build
- ServerUrl
- http://3.111.55.45:8080/
- ProjectName
- helloworld

Step 4: Add deploy stage

Deploy action provider

- Deployment stage
- No deploy

Cancel Previous **Create pipeline**

Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

Type here to search

3:13 PM 3/2/2023

Not secure | 3.111.55.45:8080/job/helloworld/lastSuccessfulBuild/console

A ⚡ ⚡ 1 bhageerath log out

Jenkins

Search (CTRL+K)

Dashboard > helloworld > #2

Status

</> Changes

Console Output

View as plain text

Edit Build Information

Delete build '#2'

Polling Log

← Previous Build

→ Next Build

Console Output

```
Started by an SCM change
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/helloworld
[AWS CodePipeline Plugin] Job '894a87c0-bc27-499c-be96-acde88b0104f' received
[AWS CodePipeline Plugin] Acknowledged job with ID: 894a87c0-bc27-499c-be96-acde88b0104f
[AWS CodePipeline Plugin] Clearing workspace '/var/lib/jenkins/workspace/helloworld' before download
[AWS CodePipeline Plugin] Detected compression type: None
[AWS CodePipeline Plugin] Successfully downloaded artifact from AWS CodePipeline
[AWS CodePipeline Plugin] Extracting '/var/lib/jenkins/workspace/helloworld/VpdXHZZ' to '/var/lib/jenkins/workspace/helloworld'
[AWS CodePipeline Plugin] Artifact uncompressed successfully
[helloworld] $ /bin/sh -xe /tmp/jenkins1172097620362152091.sh
+ echo 'hello world!'
hello world!
[AWS CodePipeline Plugin] Publishing artifacts
[AWS CodePipeline Plugin] Compressing directory '/var/lib/jenkins/workspace/helloworld' as a 'Zip' archive
[AWS CodePipeline Plugin] Uploading artifact: {Name: BuildArtifact, Location: {Type: S3, S3Location: {BucketName: codepipeline-ap-south-1-554932464632, ObjectKey: jane/BuildArtif/1Ny8EY2}}}, file: /tmp/helloworld-1553987241091797697.zip
[AWS CodePipeline Plugin] Upload successful
[AWS CodePipeline Plugin] Build succeeded, calling PutJobSuccessResult
Finished: SUCCESS
```

REST API Jenkins 2.375.3

Type here to search

3:16 PM 3/2/2023

Dashboard > Manage Jenkins > Plugin Manage

Git	Success
GitHub	Success
GitHub Branch Source	Success
Pipeline: GitHub Groovy Libraries	Success
Pipeline Graph Analysis	Success
Pipeline: REST API	Success
Pipeline: Stage View	Success
Git	Success
SSH Build Agents	Success
Matrix Authorization Strategy	Success
PAM Authentication	Success
LDAP	Success
Email Extension	Success
Mailer	Success
Loading plugin extensions	Success
Oracle Java SE Development Kit Installer	Success
Command Agent Launcher	Success
AWS CodePipeline	Success
Loading plugin extensions	Success
Config File Provider	Success
NodeJS	Success
Loading plugin extensions	Success

→ [Go back to the top page](#)

(you can start using the installed plugins right away)

Instances | EC2 Manager | CodePipeline - AWS Dev | IAM Management Console | Connect to instance | EC2 | helloworld Config [Jenkir | Bhageerath2/AWS-Jenkir | +

Not secure | 3.111.55.45:8080/job/helloworld/configure

Dashboard > helloworld > Configuration

ignore post-commit nooks ?

Configure

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

Build Environment

Delete workspace before build starts

Use secret text(s) or file(s) ?

Provide Configuration files ?

Add timestamps to the Console Output

Inspect build log for published build scans

Provide Node & npm bin/ folder to PATH

NodeJS Installation

Specify needed nodejs installation where npm installed packages will be provided to the PATH

node16

npmrc file

- use system default -

Cache location

Default (~/.npm or %APP_DATA%\npm-cache)

Terminate a build if it's stuck

Save Apply

Type here to search

3:35 PM 3/2/2023

Instances | EC2 Manager | CodePipeline - AWS Dev | IAM Management Console | Connect to instance | EC2 | helloworld Config [Jenkir | Bhageerath2/AWS-Jenkir | +

Not secure | 3.111.55.45:8080/job/helloworld/configure

Dashboard > helloworld > Configuration

With Ant ?

Configure

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

Build Steps

Execute shell ? X

Command

See [the list of available environment variables](#)

```
echo "Installing Nodejs Dependencies"
npm install
```

Advanced...

Add build step ▾

Post-build Actions

Save **Apply**

Type here to search

3:36 PM
3/2/2023

Instances | EC2 Manager X | CodePipeline - AWS Dev X | IAM Management Console X | Connect to instance | EC2 X | helloworld #8 Console X | Bhageerath2/AWS-Jenkir X | +

https://ap-south-1.console.aws.amazon.com/codesuite/codepipeline/pipelines/jane/view?region=ap-south-1

aws Services Search [Alt+S] Notify Edit Stop execution Clone pipeline Release change Mumbai Bhageerath

Developer Tools X

CodePipeline

- ▶ Source • CodeCommit
- ▶ Artifacts • CodeArtifact
- ▶ Build • CodeBuild
- ▶ Deploy • CodeDeploy
- ▼ Pipeline • CodePipeline
 - Getting started
 - Pipelines
 - Pipeline**
 - History
 - Settings
- ▶ Settings
- Q Go to resource
- Feedback

jane

Source Succeeded Pipeline execution ID: 57e64b33-05d6-421e-a762-66a4c514da81

Source GitHub (Version 2) ⓘ Succeeded - 1 minute ago 7babc375 ⓘ

7babc375 ⓘ Source: Update Jenkinsfile_Docker

Disable transition

Build Succeeded Pipeline execution ID: 57e64b33-05d6-421e-a762-66a4c514da81

Build Custom Jenkins_build (Version: 1) ⓘ Succeeded - Just now Details ⓘ

7babc375 ⓘ Source: Update Jenkinsfile_Docker

Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

Type here to search

3:38 PM 3/2/2023

Instances | EC2 Manager | CodePipeline - AWS Dev | IAM Management Console | Connect to instance | EC2 | helloworld #8 Console | Bhageerath2/AWS-Jenkir | +

Not secure | 3.111.55.45:8080/job/helloworld/lastBuild/console

Dashboard > helloworld > #8

Console Output

View as plain text

Edit Build Information

Delete build '#8'

Polling Log

Previous Build

```
Started by an SCM change
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/helloworld
[AWS CodePipeline Plugin] Job '86817248-59df-4065-ad19-4a6ba6d006d8' received
[AWS CodePipeline Plugin] Acknowledged job with ID: 86817248-59df-4065-ad19-4a6ba6d006d8
[AWS CodePipeline Plugin] Clearing workspace '/var/lib/jenkins/workspace/helloworld' before download
[AWS CodePipeline Plugin] Detected compression type: None
[AWS CodePipeline Plugin] Successfully downloaded artifact from AWS CodePipeline
[AWS CodePipeline Plugin] Extracting '/var/lib/jenkins/workspace/helloworld/kILNFB3' to '/var/lib/jenkins/workspace/helloworld'
[AWS CodePipeline Plugin] Artifact uncompressed successfully
Unpacking https://nodejs.org/dist/v16.1.0/node-v16.1.0-linux-x64.tar.gz to
/var/lib/jenkins/tools/jenkins.plugins.nodejs.tools.NodeJSInstallation/node16 on Jenkins
[helloworld] $ /bin/sh -xe /tmp/jenkins10450034962730521560.sh
+ echo 'Installing Nodejs Dependencies'
Installing Nodejs Dependencies
+ npm install

added 123 packages, and audited 124 packages in 7s

12 vulnerabilities (1 low, 1 moderate, 6 high, 4 critical)

To address all issues, run:
npm audit fix

Run `npm audit` for details.
[AWS CodePipeline Plugin] Publishing artifacts
[AWS CodePipeline Plugin] Compressing directory '/var/lib/jenkins/workspace/helloworld' as a 'Zip' archive
[AWS CodePipeline Plugin] Uploading artifact: {Name: BuildArtifact, Location: {Type: S3, S3Location: {BucketName: codepipeline-ap-south-1-554932464632, ObjectKey: jane/BuildArtif/ZDsZ8jN}}}, file: /tmp/helloworld-528694404960628539.zip
[AWS CodePipeline Plugin] Upload successful
[AWS CodePipeline Plugin] Build succeeded, calling PutJobSuccessResult
Finished: SUCCESS
```

Type here to search

3:38 PM
3/2/2023