

Launch an instance [Info](#)Name and tags [Info](#)

Name

e.g. My Web Server

Add additional tags







▼ 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

Amazon Linux	macOS	Ubuntu	Windows	Red Hat	SUSE Linux	Debian
						

[Browse more AMIs](#)

Including AMIs from
AWS, Marketplace and
the Community

Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type

```
ami-084568db4383264d4 (64-bit (x86)) / ami-0c4e709339fa8521a (64-bit (Arm))
Virtualization: hvm  ENA enabled: true  Root device type: ebs
```

Free tier eligible

Description

Ubuntu Server 24.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>).

▼ Summary

Number of instances [Info](#)

Software Image (AMI)

Canonical, Ubuntu, 24.04, amd64...[read more](#)
ami-084568db4383264d4

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

① **Free tier:** In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier AMIs, 750 hours per month of public IPv4 address usage, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel

Launch instance

[Preview code](#)

aws

Search

[Alt+S]

EC2

S3

VPC

EFS

Lambda

IAM

DynamoDB

Aurora and RDS

Elastic Beanstalk

FSx

Simple Queue Service

Simple Notification Service

CloudWatch

CloudTrail

CloudFormation

Route 53

CodeCommit

CodeDeploy

United States (N. Virginia)

EC2

Instances

Launch an instance

Launch an instance

Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags

Info

Name

Jenkins-Master

Add additional tags

▼ Application and OS Images (Amazon Machine Image)

Info

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Amazon Linux

aws

macOS

Mac

Ubuntu

ubuntu

Windows

Microsoft

Red Hat

Red Hat

SUSE Linux

Debian

debian

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Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type

Free tier eligible

ami-084568db4383264d4 (64-bit (x86)) / ami-0c4e709339fa8521a (64-bit (Arm))

Virtualization: hvm ENA enabled: true Root device type: ebs

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▼ Summary

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Canonical, Ubuntu, 24.04, amd6...[read more](#)

ami-084568db4383264d4

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Na

EC2

Instances

Launch an instance

For V2 requests, you must include a session token in all instance metadata requests. Applications or agents that use V1 for instance metadata access will break.

Metadata response hop limit

Info

2

Allow tags in metadata

Info

Select

User data - optional

Info

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

Choose file

```
sudo apt update -y
sudo apt install apache2 -y
sudo apt docker.io -y

sudo wget -O /etc/apt/keyrings/jenkins-keyring.asc \
  https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key
echo "deb [signed-by=/etc/apt/keyrings/jenkins-keyring.asc] \
  https://pkg.jenkins.io/debian-stable binary/" | sudo tee \
  /etc/apt/sources.list.d/jenkins.list > /dev/null
sudo apt-get update -y
sudo apt-get install jenkins -y

sudo systemctl enable jenkins -y
sudo systemctl start jenkins -y
```

☐ User data has already been base64 encoded

Summary

Number of instances

Info

1

Software Image (AMI)

Canonical, Ubuntu, 24.04, amd64...[read more](#)

ami-084568db4383264d4

Virtual server type (instance type)

t2.micro

Firewall (security group)

default

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aws

Search [Alt+S]

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United States (N. Virginia)

EC2 > Instances > Launch an instance

▼ 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 - required

keypairperma

Create new key pair

▼ Network settings Info

Edit

Network Info

vpc-09680e78bbae569c4

Subnet Info

No preference (Default subnet in any availability zone)

Auto-assign public IP Info

Enable

Additional charges apply when outside of free tier allowance

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.

Create security group

Select existing security group

Common security groups Info

Select security groups

default sg-062f5df15694a7237

VPC: vpc-09680e78bbae569c4

Compare security group rules

Security groups that you add or remove here will be added to or removed from all your network interfaces.

▼ Configure storage Info

Advanced

▼ Summary

Number of instances Info

1

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Canonical, Ubuntu, 24.04, amd64...read more

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Cancel

Launch instance

Preview code


```
aws [Alt+S] Search [Alt+S]
```

EC2 S3 VPC EFS Lambda IAM DynamoDB Aurora and RDS Elastic Beanstalk FSx Simple Queue Service Simple Notification Service CloudWatch CloudTrail CloudFormation Route 53

```
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1024-aws x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:       https://ubuntu.com/pro

System information as of Wed Mar  5 08:40:08 UTC 2025

System load:   1.35      Processes:            27
Usage of /home: unknown  Users logged in:      0
Memory usage:   5%      IPv4 address for eth0: 10.10.10.2
Swap usage:     0%

Expanded Security Maintenance for Applications is not enabled.

3 updates can be applied immediately.
5 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-88-117:~$
```

```
Progress: 48 [#####.....]
```

i-080a4aef1168aff22 (Jenkins-Master)



18.212.42.238:8080



no_no bookmarks



AWS-cloud project...



Install and Set Up...



Installing Kub

Getting Started

✓ Folders	<input type="radio"/> OWASP Markup Formatter	<input type="radio"/> Build Timeout	<input type="radio"/> Credentials Binding	** Ionicons API Folders
<input type="radio"/> Timestampers	<input type="radio"/> Workspace Cleanup	<input type="radio"/> Ant	<input type="radio"/> Gradle	
<input type="radio"/> Pipeline	<input type="radio"/> GitHub Branch Source	<input type="radio"/> Pipeline: GitHub Groovy Libraries	<input type="radio"/> Pipeline Graph View	
<input type="radio"/> Git	<input type="radio"/> SSH Build Agents	<input type="radio"/> Matrix Authorization Strategy	<input type="radio"/> PAM Authentication	
<input type="radio"/> LDAP	<input type="radio"/> Email Extension	<input type="radio"/> Mailer	<input type="radio"/> Dark Theme	
				** - required dependency




Jenkins is ready!

You have skipped the **setup of an admin user**.

To log in, use the username: "admin" and the administrator password you used to access the setup wizard.

Your Jenkins setup is complete.

[Start using Jenkins](#)

- + New Item
-  Build History
-  Manage Jenkins
-  My Views

Build Queue 

No builds in the queue.

Build Executor Status 0/2 


Welcome to Jenkins!


This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.


Start building your software project

Create a job 

Set up a distributed build

Set up an agent 

Configure a cloud 

Learn more about distributed builds 



New Item

Enter an item name

job-pipeline

Select an item type



Freestyle project

Classic, general-purpose job type that checks out from up to one SCM, executes build steps serially, followed by post-build steps like archiving artifacts and sending email notifications.



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

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



Organization Folder

Creates a set of multibranch project subfolders by scanning for repositories.

OK

```
update-alternatives: using /usr/lib/jvm/java-21-openjdk-amd64/bin/jfr to provide /usr/bin/jfr (jfr) in auto mode
update-alternatives: using /usr/lib/jvm/java-21-openjdk-amd64/bin/jimage to provide /usr/bin/jimage (jimage) in auto mode
update-alternatives: using /usr/lib/jvm/java-21-openjdk-amd64/bin/jinfo to provide /usr/bin/jinfo (jinfo) in auto mode
update-alternatives: using /usr/lib/jvm/java-21-openjdk-amd64/bin/jlink to provide /usr/bin/jlink (jlink) in auto mode
update-alternatives: using /usr/lib/jvm/java-21-openjdk-amd64/bin/jmap to provide /usr/bin/jmap (jmap) in auto mode
update-alternatives: using /usr/lib/jvm/java-21-openjdk-amd64/bin/jmod to provide /usr/bin/jmod (jmod) in auto mode
update-alternatives: using /usr/lib/jvm/java-21-openjdk-amd64/bin/jps to provide /usr/bin/jps (jps) in auto mode
update-alternatives: using /usr/lib/jvm/java-21-openjdk-amd64/bin/jrunscript to provide /usr/bin/jrunscript (jrunscript) in auto mode
update-alternatives: using /usr/lib/jvm/java-21-openjdk-amd64/bin/jshell to provide /usr/bin/jshell (jshell) in auto mode
update-alternatives: using /usr/lib/jvm/java-21-openjdk-amd64/bin/jstack to provide /usr/bin/jstack (jstack) in auto mode
update-alternatives: using /usr/lib/jvm/java-21-openjdk-amd64/bin/jstat to provide /usr/bin/jstat (jstat) in auto mode
update-alternatives: using /usr/lib/jvm/java-21-openjdk-amd64/bin/jstatd to provide /usr/bin/jstatd (jstatd) in auto mode
update-alternatives: using /usr/lib/jvm/java-21-openjdk-amd64/bin/jwebserver to provide /usr/bin/jwebserver (jwebserver) in auto mode
update-alternatives: using /usr/lib/jvm/java-21-openjdk-amd64/bin/serialver to provide /usr/bin/serialver (serialver) in auto mode
update-alternatives: using /usr/lib/jvm/java-21-openjdk-amd64/bin/jhshdb to provide /usr/bin/jhshdb (jhshdb) in auto mode
Setting up openjdk-21-jdk:amd64 (21.0.7+6~us1-0ubuntu1~24.04) ...
update-alternatives: using /usr/lib/jvm/java-21-openjdk-amd64/bin/jconsole to provide /usr/bin/jconsole (jconsole) in auto mode
Processing triggers for libc-bin (2.39-0ubuntu8.4) ...
Processing triggers for libgdk-pixbuf-2.0-0:amd64 (2.42.10+dfsg-3ubuntu3.1) ...
Caching processes...
Caching linux images...

Running kernel seems to be up-to-date.

o services need to be restarted.

o containers need to be restarted.

o user sessions are running outdated binaries.

o VM guests are running outdated hypervisor (qemu) binaries on this host.
buntu@ip-172-31-94-198:~$ sudo kubeadm init --cri-socket=/var/run/crio/crio.sock
0521 14:59:01.267156 9205 initconfiguration.go:125] Usage of CRI endpoints without URL scheme is deprecated and can cause kubelet errors in the future. Please use "Socket" with value "/var/run/crio/crio.sock". Please update your configuration!
0521 14:59:01.436471 9205 version.go:256] remote version is much newer: v1.33.1; falling back to: stable-1.29
init] Using Kubernetes version: v1.29.15
preflight] Running pre-flight checks
preflight] Pulling images required for setting up a Kubernetes cluster
preflight] This might take a minute or two, depending on the speed of your internet connection
preflight] You can also perform this action in beforehand using 'kubeadm config images pull'
```

 Nodes




 Clouds

Build Queue 
No builds in the queue.

Build Executor Status  0/2

Nodes

[+ New Node](#) [Configure Monitors](#) 

S	Name ↓	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
	Built-In Node	Linux (amd64)	In sync	2.26 GiB	 0 B	2.26 GiB	0ms 
	Data obtained	9 min 46 sec	9 min 46 sec	9 min 46 sec	9 min 46 sec	9 min 46 sec	9 min 46 sec

Icon: S M **L**

Legend

New node

Node name

Type

☐

Permanent Agent

Adds a plain, permanent agent to Jenkins. This is called "permanent" because Jenkins doesn't provide higher level of integration with these agents, such as dynamic provisioning. Select this type if no other agent types apply — for example such as when you are adding a physical computer, virtual machines managed outside Jenkins, etc.

Create

Remote root directory ?

/home/ubuntu

Labels ?

Usage ?

Use this node as much as possible

Launch method ?

Launch agents via SSH

Host ?

172.31.88.132

Credentials ?

- none -

+ Add

! The selected credentials cannot be found

Host Key Verification Strategy ?

Known hosts file Verification Strategy

Advanced

Availability

Remote root directory ?

/home/ubuntu

Labels ?

Usage ?

Use this node as much as possible

Launch method ?

Launch agents via SSH

Host ?

172.31.88.132

Credentials ?

ubuntu

+ Add

Host Key Verification Strategy ?

Known hosts file Verification Strategy

Advanced ▼

Availability ?

```
customresourcedefinition.apiextensions.k8s.io/tiers.crd.projectcalico.org created
customresourcedefinition.apiextensions.k8s.io/adminnetworkpolicies.policy.networking.k8s.io created
customresourcedefinition.apiextensions.k8s.io/baselineadminnetworkpolicies.policy.networking.k8s.io created
clusterrole.rbac.authorization.k8s.io/calico-kube-controllers created
clusterrole.rbac.authorization.k8s.io/calico-node created
clusterrole.rbac.authorization.k8s.io/calico-cni-plugin created
clusterrole.rbac.authorization.k8s.io/calico-tier-getter created
clusterrolebinding.rbac.authorization.k8s.io/calico-kube-controllers created
clusterrolebinding.rbac.authorization.k8s.io/calico-node created
clusterrolebinding.rbac.authorization.k8s.io/calico-cni-plugin created
clusterrolebinding.rbac.authorization.k8s.io/calico-tier-getter created
daemonset.apps/calico-node created
deployment.apps/calico-kube-controllers created
kubeadm join 172.31.94.198:6443 --token g439lt.xh0opvop4hsfux53 --discovery-token-ca-cert-hash sha256:5206677c56ef267feb
ubuntu@ip-172-31-94-198:~$ kubectl get nodes
NAME                                STATUS    ROLES    AGE     VERSION
ip-172-31-88-132                    Ready    <none>    9s      v1.29.0
ip-172-31-94-198                    Ready    control-plane  17m     v1.29.0
ubuntu@ip-172-31-94-198:~$
ubuntu@ip-172-31-94-198:~$
ubuntu@ip-172-31-94-198:~$
ubuntu@ip-172-31-94-198:~$
ubuntu@ip-172-31-94-198:~$
ubuntu@ip-172-31-94-198:~$
ubuntu@ip-172-31-94-198:~$ kubectl get nodes
NAME                                STATUS    ROLES    AGE     VERSION
ip-172-31-88-132                    Ready    <none>    11s     v1.29.0
ip-172-31-94-198                    Ready    control-plane  17m     v1.29.0
ubuntu@ip-172-31-94-198:~$ kubectl get nodes
NAME                                STATUS    ROLES    AGE     VERSION
ip-172-31-88-132                    Ready    <none>    12s     v1.29.0
ip-172-31-94-198                    Ready    control-plane  17m     v1.29.0
ubuntu@ip-172-31-94-198:~$ kubectl get nodes
NAME                                STATUS    ROLES    AGE     VERSION
ip-172-31-88-132                    Ready    <none>    13s     v1.29.0
ip-172-31-94-198                    Ready    control-plane  17m     v1.29.0
ubuntu@ip-172-31-94-198:~$ kubectl get nodes
NAME                                STATUS    ROLES    AGE     VERSION
ip-172-31-88-132                    Ready    <none>    14s     v1.29.0
ip-172-31-94-198                    Ready    control-plane  17m     v1.29.0
ubuntu@ip-172-31-94-198:~$
```

```
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease
Ign:4 https://pkg.jenkins.io/debian-stable binary/ InRelease
Hit:5 https://pkg.jenkins.io/debian-stable binary/ Release
Hit:6 https://prod-cdn.packages.k8s.io/repositories/isv:/kubernetes:/addons:/cri-o:/prerelease:/main/deb InRelease
Hit:8 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:7 https://prod-cdn.packages.k8s.io/repositories/isv:/kubernetes:/core:/stable:/v1.29/deb InRelease
Reading package lists... Done
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
jq is already the newest version (1.7.1-3build1).
jq set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 73 not upgraded.
ubuntu@ip-172-31-88-132:~$ sudo kubeadm join 172.31.94.198:6443 --token g439lt.xh0opvop4hsfux53 --discovery-token-ca
socket=/var/run/crio/crio.sock
W0521 15:16:18.236621 7406 initconfiguration.go:125] Usage of CRI endpoints without URL scheme is deprecated and
iSocket" with value "/var/run/crio/crio.sock". Please update your configuration!
[preflight] Running pre-flight checks
[preflight] Reading configuration from the cluster...
[preflight] FYI: You can look at this config file with 'kubectl -n kube-system get cm kubeadm-config -o yaml'
[kubelet-start] Writing kubelet configuration to file "/var/lib/kubelet/config.yaml"
[kubelet-start] Writing kubelet environment file with flags to file "/var/lib/kubelet/kubeadm-flags.env"
[kubelet-start] Starting the kubelet
[kubelet-start] Waiting for the kubelet to perform the TLS Bootstrap...

This node has joined the cluster:
* Certificate signing request was sent to apiserer and a response was received.
* The Kubelet was informed of the new secure connection details.

Run 'kubectl get nodes' on the control-plane to see this node join the cluster.

ubuntu@ip-172-31-88-132:~$
```

i-07e9253ada3ca7912 (Kube-Slave)

PublicIP: 3.07.247.180 PrivateIP: 172.31.88.132

Nodes

Clouds

Build Queue
No builds in the queue.

Build Executor Status

Built-In Node 0/2

Nodes

+ New Node

Configure Monitors



S	Name	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
	Built-In Node	Linux (amd64)	In sync	1.29 GiB	0 B	1.29 GiB	0ms
	Kube-cluster	Linux (amd64)	In sync	2.36 GiB	0 B	2.36 GiB	43ms
Data obtained		0.27 sec	0.27 sec	0.28 sec	0.27 sec	0.27 sec	0.27 sec

⚙️ General

Access

👤 Collaborators

💬 Moderation options ▾

Code and automation

🔗 Branches

🏷️ Tags

📄 Rules ▾

Webhooks

Add webhook

Webhooks allow external services to be notified when certain events happen. When the specified events happen, we'll send a POST request to each of the URLs you provide. [Learn more in our Webhooks Guide.](#)

✓ <http://54.205.130.205:8080/github-...> (push)

Last delivery was successful.

Edit

Delete

- + New Item
- 📁 Build History
- 🔗 Project Relationship
- 🔍 Check File Fingerprint
- ⚙️ Manage Jenkins
- 📌 My Views

Build Queue ▼

No builds in the queue.

Build Executor Status ▼

🖥️ Built-In Node 0/2

🖥️ Kube-cluster 0/1

Manage Jenkins

/

Building on the built-in node can be a security issue. You should set the number of executors on the built-in node to 0. See [the documentation](#).

Manage

Dismiss

System Configuration

- ⚙️

System

Configure global settings and paths.
- 🔧

Tools

Configure tools, their locations and automatic installers.
- ⚙️

Plugins

Add, remove, disable or enable plugins that can extend the functionality of Jenkins.
- 🖥️

Nodes

Add, remove, control and monitor the various nodes that Jenkins runs jobs on.
- ☁️

Clouds

Add, remove, and configure cloud instances to provision agents on-demand.
- 🔧

Appearance

Configure the look and feel of Jenkins

Security

- 🔒

Security

Secure Jenkins; define who is allowed to access/use the system.
- 📱

Credentials

Configure credentials
- 📁

Credential Providers

Configure the credential providers and types
- 👤

Users

Create/delete/modify users that can log in to this Jenkins.

Status Information

- 🗄️

System Information

Displays various environmental
- 📖

System Log

System log captures output from
- 📈

Load Statistics

Check your resource utilization and see if
- 👤

About Jenkins

See the version and license information.

Plugins

- Updates
- Available plugins
- Installed plugins
- Advanced settings
- Download progress

Download progress

Preparation

- Checking internet connectivity
- Checking update center connectivity
- Success

Ionicons API	✓ Success
Folders	✓ Success
OWASP Markup Formatter	✓ Success
ASM API	✓ Success
JSON Path API	✓ Success
Structs	✓ Success
Pipeline: Step API	✓ Success
Token Macro	✓ Success
Build Timeout	✓ Success
bouncycastle API	✓ Success
Credentials	✓ Success
Plain Credentials	✓ Success
Variant	✓ Success
SSH Credentials	✓ Success
Credentials Binding	✓ Success
SCM API	✓ Success
Pipeline: API	✓ Success
commons-lang3 v3.x Jenkins API	✓ Success
Timestamp	✓ Success
Caffeine API	✓ Success
Script Security	✓ Success
JavaBeans Activation Framework (JAF) API	✓ Success

Plugins

- Updates
- Available plugins
- Installed plugins
- Advanced settings
- Download progress

Q git

Install

Name ↓

<input type="checkbox"/>	<div>JavaMail API 1.6.2-11</div> <div>Library plugins (for use by other plugins)</div> <div>This plugin provides the JavaMail API for other plugins.</div>
<input checked="" type="checkbox"/>	<div>Git server 137.ve0060b_432302</div> <div>git Library plugins (for use by other plugins)</div> <div>Allows Jenkins to act as a Git server.</div>
<input type="checkbox"/>	<div>Pipeline: Deprecated Groovy Libraries 615.vb_b_0664a_b_19f3</div> <div>Miscellaneous</div> <div>Hosting of Pipeline Groovy libraries inside a Jenkins Git server. Deprecated. Use Pipeline: Groovy Libraries instead. If you s upgraded, you can probably uninstall it now. This plugin should only be used if you have historically <i>pushed</i> libraries to a Git</div> <div>This plugin is deprecated. In general, this means that it is either obsolete, no longer being developed, or may no longer w</div>
<input type="checkbox"/>	<div>Jersey 2 API 2.45-154.v4ded3dc34f81</div> <div>Library plugins (for use by other plugins)</div> <div>This plugin provides the JAX-RS 2.1 and Jersey 2 APIs for other plugins.</div>
<input checked="" type="checkbox"/>	<div>GitHub Pipeline for Blue Ocean 1.27.19</div> <div>External Site/Tool Integrations User Interface</div> <div>BlueOcean GitHub organization pipeline creator</div>
<input type="checkbox"/>	<div>Git Parameter 439.vb_0e46ca_14534</div>

Plugins



Updates



Available plugins



Installed plugins



Advanced settings



Download progress

Download progress

Preparation

- Checking internet connectivity
- Checking update center connectivity
- Success

Ionicons API

✓ Success

Folders

✓ Success

OWASP Markup Formatter

✓ Success

ASM API

✓ Success

JSON Path API

✓ Success

Structs

✓ Success

Pipeline: Step API

✓ Success

Token Macro

✓ Success

Build Timeout

✓ Success

bouncycastle API

✓ Success

Credentials

✓ Success

Plain Credentials

✓ Success

Variant

✓ Success

SSH Credentials

✓ Success

Credentials Binding

✓ Success

SCM API

✓ Success

Pipeline: API

✓ Success

commons-lang3 v3.x Jenkins API

✓ Success

Timestamp

✓ Success






Caffeine API

✓ Success

Script Security






✓ Success

Plugins

-  Updates
-  Available plugins
-  Installed plugins
-  Advanced settings
-  Download progress

Install	Name ↓
<input type="checkbox"/>	<div><div>Kubernetes Client API 6.10.0-251.v556f5f100500</div><div>kubernetes Library plugins (for use by other plugins)</div><div>Kubernetes Client API plugin for use by other Jenkins plugins.</div></div>
<input checked="" type="checkbox"/>	<div><div>Kubernetes Credentials 192.v4d5b_1c429d17</div><div>kubernetes credentials</div><div>Common classes for Kubernetes credentials</div></div>
<input checked="" type="checkbox"/>	<div><div>Kubernetes 4340.v345364d31a_2a_</div><div>Cloud Providers Cluster Management kubernetes Agent Management</div><div>This plugin integrates Jenkins with Kubernetes</div></div>
<input checked="" type="checkbox"/>	<div><div>Kubernetes CLI 1.364.vadef8cb8b823</div><div>kubernetes</div><div>Configure kubectl for Kubernetes</div></div>
<input type="checkbox"/>	<div><div>Kubernetes Credentials Provider 1.276.v99a_de03cb_076</div><div>kubernetes credentials</div><div>Provides a read only credentials store backed by Kubernetes.</div></div>
<input type="checkbox"/>	<div><div>Kubernetes :: Pipeline :: DevOps Steps 1.6</div><div>pipeline kubernetes</div></div>
<input type="checkbox"/>	<div><div>GitLab Credentials - Kubernetes Integration 424.vd4c848a_61813</div><div>kubernetes gitlab</div></div>























Plugins

-  Updates
-  Available plugins
-  Installed plugins
-  Advanced settings
-  Download progress

Download progress

Preparation



- Checking internet connectivity
- Checking update center connectivity
- Success

Ionicons API	 Success
Folders	 Success
OWASP Markup Formatter	 Success
ASM API	 Success
JSON Path API	 Success
Structs	 Success
Pipeline: Step API	 Success
Token Macro	 Success
Build Timeout	 Success
bouncycastle API	 Success
Credentials	 Success
Plain Credentials	 Success
Variant	 Success
SSH Credentials	 Success
Credentials Binding	 Success
SCM API	 Success
Pipeline: API	 Success
commons-lang3 v3.x Jenkins API	 Success
Timestamp	 Success
Caffeine API	 Success
Script Security	 Success
JavaBeans Activation Framework (JAF) API	 Success

Global credentials (unrestricted)

+ Add Credentials

Credentials that should be available irrespective of domain specification to requirements matching.

ID	Name	Kind	Description
 834dcf8e-a3c4-4bce-86f4-1e32144d93a7	ubuntu	SSH Username with private key	
 ce41dafd-0652-4ffe-9cda-abfec05079a1	DadysCookin/*****	Username with password	

Icon: S M **L**

Name	Kind
ubuntu	SSH Username with private key
DadysCookin/*****	Username with password
nashit836/*****	Username with password

```
ubuntu@ip-172-31-94-198:~$
ubuntu@ip-172-31-94-198:~$ ~/.kube/config
-bash: /home/ubuntu/.kube/config: Permission denied
ubuntu@ip-172-31-94-198:~$ sudo ~/.kube/config
sudo: /home/ubuntu/.kube/config: command not found
ubuntu@ip-172-31-94-198:~$ sudo ~/.kube/config
-bash: sudo ~/.kube/config: No such file or directory
ubuntu@ip-172-31-94-198:~$ sudo cat ~/.kube/config
apiVersion: v1
clusters:
- cluster:
  certificate-authority-data: LS0tLS1CRUdJTiBDRVJUSUZJQ0FURSB0tLS0tCk1JSURCVENDQWUyZ0F3SUJBZ0lJU3BNZ29FVy9DN013RFFZSktvWklodmNOQVFFTEJRQXdGVEVUTUJFR0ExVUUKQXhNS2EzVm1aWEp1WlhSbGN6QWVGdzb5TlRBMU1qRXhORF
VRWYU23MHpOVEExTVRreE5EVTVNVFZhTUJVeApFekfSQmdOVk1JBTVRDbXQxWW1WeWJtVjBaWE13Z2dFaU1BMEdDU3FHU01lM0RRRUJBUVVBQTRJQkR3QXdnZ0VLCkFvSUJBUM5ZVFFyUGJ4SlpraXlxM29MOHdVYXlvSTQwV0xmQTJrYzVFNs80L052NzE3SVlrOUMtUUh
HvOVgKYjNsbmFqOEwzeXRGT0Ewd3NOQeJvQbUoxWEEdZ2003SGhwKzV2Tl05akhYK1V4Nk5HbmtNQkJwa1RWNnBjLzYyQWpYRWpQOQp6bVFENk5ScFdvRjQxVDlHWnV6WENBdlBRWnIraWZGWH5TGPoMHZoUnRacWZzeG5ZMGROsnJLQ3c4CkZISjNfLythUG1tUzBMWS9C
1bVhNeXE5M0nMcNk6WWwtRlFsvYteBw9JQm5GQWVxcFppja1hveXVqWTN0YVYKSdJUakVrMzAvaSStZSW5WLzEzZzJ0d05RaTdGNktOcnplWWpScGZzeFNkTHQrYwTbK1QvVWcyREQvQVBucWhnQgphQnBcc3phMVVF3TFQ1WS90dVpwdVdNSXNqLzRoQWdNQkFBR2pXVEJYJT
R0ExVWREd0VCL3dRRUF3SUNwREFQCKJnTlZiUk1CQWY4RUJUQURBuUgvtUIwR0ExVWREZlFXQk1JQkhhb1ZCeVmrN05HYktRRZnJyW1rSUTwZnJ6QVYKQmdOVkhSRUVEakFNZ2dwcmlRSMxjbTVsZEdWek1BMEdDU3FHU01lM0RRRUJdd1VBQTRJQkFRQTRlSR01ubWhpdC
GJiTGovcHZNtTB5TzZ2FVdJWM3QxRjVNUUcvcK3hLRTNQUWNIWlM0bzJSUjVXREtRQm5VL1B2aG53Y2ZSYlI2CmV3U3dDbkU0VWU0bFRGbhURTFc3b2hUaVNEa21pVzh6UWk2dG1scWtsVWdxT0xvvhZ6Zk85b0o5ME1EWE4zS00KT3ZjSGFodmxiK2x4bzM1bktpU1BBL2F
Qy2FFPYWdiQVhPZmxnSERBN2pOcDROeHdNVs8rMm5yUEhlsjRxAapPRUC3QnJkUjVyZzh1bythMnplOEgrUGU1WTJMSXZyQlNTMmIzszBzZ3BkTn1SR1BHSTAx3ZVUd2d4V1pFmMLCjlmZXBwNEd3ZVBj0dsYkhuSDBWT3d3Z3dud1hDWlY0Sm1RME23em4weW9OL3ov
peXVIQW1oL0tZM0hfEZU8KeTNGbnV5ZUVVMEhmC10tLS0tRU5E1ENFulRJRklDQVRFLS0tLS0K
  server: https://172.31.94.198:6443
  name: kubernetes
contexts:
- context:
  cluster: kubernetes
  user: kubernetes-admin
  name: kubernetes-admin@kubernetes
current-context: kubernetes-admin@kubernetes
kind: Config
preferences: {}
users:
- name: kubernetes-admin
  user:
    client-certificate-data: LS0tLS1CRUdJTiBDRVJUSUZJQ0FURSB0tLS0tCk1JSURLVENDQWwH20F3SUJBZ0lJWJTYrblhpVlUrc2t3RFFZSktvWklodmNOQVFFTEJRQXdGVEVUTUJFR0ExVUUKQXhNS2EzVm1aWEp1WlhSbGN6QWVGdzb5TlRBMU1qRXhORFUwT
YU23MHl0akExTWpFeE5EVTVNvGRhTUR3eApIekfKQmdOVk1JBb1RGbXQxWW1WaFpHMDZ2MngxYzN3bGNpMWhaRzFwYm5NeEduQVhCZ05WQkFNVEVHdDF2bVZ5CmJtVjBaWE10WVdSdGFkNHdnZ0VpTUEwR0NTcUdTSW1zRFFQkFRVUFBNElCRHdBd2dnRUtBb01CQVFDOE
SkKamFFN2w5S0MrVEEweTRqTG54dndiNUc1WnFtSVNnLzRlN1QvLzVWVWDDpR0N2REFpCFU1aFg3UE04wk5qUjZRBgp2eGd6V0J2R1JWQVpYnFdybHhT2zZySFJGeURKQ1gVWVRuR1FFNDlqdGNI2TNIbzU5VVZhoGFtSF1WZTF0YUVzCmE4bmRsYz1zZ1FUUEh2R0F5N0J
ptdXpYY01TNllyY29Fcm1WRk1aMHhjNVRErFNYTERiaFJLNURYR0p2UG4KaW52Nm1ns3ozU001ZVpBZysys2JSY2Q3UzZU30dtMVQrK1FRdEVH5SFzhSXP2QjhYM20xR0VUUUJtJQVRPcStBUGowajJkb2J6bUFRVkpudkrRTk13V0d0N3lR8nnpTE4wc1pgN1VMNnRpT3Bp
5WHRGcc29hNna3U1p3US8yFTTVZCjExQ0VzN0VXSdRmSUU5M0pBZ01CQUFHa1ZqQlVnQTRHQTfVZER3RUIvd1FFQXcXJm9EQVRCZ05WSFNVRUREQUsKQmdncKJnRUZCUWNEQWpBTUJnTlZiUk1CQWY4RUfQqUFNQjhHQTfVZEl3Uv1NcmFBRk1FY0toVUHKTDdzMFpzcApBY
eUTR23BWK3ZNQTBHQh1Nxr1N1JYjNEUUVcQ3dVQUE0SUJBUUF1bDzXSkphT1FKTKMyRGRIxKh3Q25GL2FFCnRUbE5qcmJkMnpkV1NTKzF5mWpMR215bTY3cmIvQWF4THV1OUNFRjQrTmFGew94c0pDZDVVU0xUa2RwZCt4e1EKbzFwU3ByZ1gzbgRneXhvOGJhZFU0VG5xOE
W10bEtPQm1OeW9lb31qY0U5eTh5YVpvczUJUUVk90aytRTitQNGpPT0d5S1BBejh0T25FUjd4UjVWZwtXQjkrMHE2bDjLK1p6QXQ1bUxSYUd4Snh4eE1iajdtL3lmUm9lcEo3TFVCCmJM0dMcG8vSFFrRk0Tk85TjAxU2NXTXJYM3ptVE9TUmlXVkggybkpmNUR0dXpzdE9
zpeV2jeWoxND1lWmkKQ0tjb1RMQmgzWUtCRHFRS3VhNzFuSg1ITndtR1dESDJaTkZONFhUVFFSeEFITUDHa1N3aE1WL0pTNlPnci0tLS0tRU5E1ENFulRJRklDQVRFLS0tLS0K
  client-key-data: LS0tLS1CRUdJTiBSU0EgVUFJvKURSRUJlVWk1LS0tLQpNSU1FeEccJkFBSONBUUUVBdKJHVjRvMmhPmWZ23Zr0d05NdU15NthiOEccUnVXYXBpRW9QR0Iray8vK1ZGKzRoCmdyd3djcVZPFWYrenpQR1R2MGVrSjc4WU0x0z2J4a1ZRR1YrRnE1Y
```


g.

Name	Kind
ubuntu	SSH Username with private key
DadysCookin/*****	Username with password
nashit836/*****	Username with password
kubeconfig.txt	Secret file



DadysCookin / wiseanalytics-assignment



Code



Issues



Pull requests



Actions



Projects



Wiki



wiseanalytics-assignment /

Dockerfile

in main

Edit

Preview

```
1  # Use official Debian base
2  FROM nginx:alpine
3
4  # Install Apache2
5  RUN apt-get update && \
6      apt-get install -y nginx:alpine && \
7      apt-get clean && \
8
9  # Expose port 80
10 EXPOSE 80
11
12 # Start Apache in the foreground
13 CMD ["apache2ctl", "-D", "FOREGROUND"]
14
```


Edit

Preview

```
11 stage('Checkout Code') {
12     steps {
13         git credentialsId: 'github-token', url: 'https://github.com/DadysCookin/wiseanalytics-assignment.git'
14     }
15 }
16
17 stage('Build Docker Image') {
18     steps {
19         sh "docker build -t nginx:latest ."
20     }
21 }
22
23 stage('Push to Docker Hub') {
24     steps {
25         withCredentials([usernamePassword(credentialsId: 'dockerhub-creds', usernameVariable: 'DOCKER_USER', passwordVariable: 'DOCKER_PASS')]) {
26             sh '''
27                 echo $DOCKER_PASS | docker login -u $DOCKER_USER --password-stdin
28                 docker push $IMAGE_NAME:$IMAGE_TAG
29             '''
30         }
31     }
32 }
33
34 stage('Deploy to Kubernetes') {
35     steps {
36         withCredentials([file(credentialsId: 'kubeconfig', variable: 'KUBECONFIG')]) {
37             sh '''
38                 export KUBECONFIG=$KUBECONFIG
39                 kubectl set image deployment/your-deployment-name your-container-name=$IMAGE_NAME:$IMAGE_TAG -n staging
40             '''
41         }
42     }
43 }
44
45 }
```

wiseanalytics-assignment / deployment.yaml in main

Edit

Preview

```
1  apiVersion: apps/v1
2  kind: Deployment
3  metadata:
4    name: deployment
5    namespace: staging
6  spec:
7    replicas: 1
8    selector:
9      matchLabels:
10       app: nginx
11  template:
12    metadata:
13      labels:
14       app: mynginx
15    spec:
16      containers:
17       - name: mycontainer
18         image: nashit836/nginx:latest
19         ports:
20         - containerPort: 80
21
```

updatedMerge #1

Open DadysCookin wants to merge 3 commits into `develop` from `main`

Conversation 0 Commits 3 Checks 0 Files changed 3



DadysCookin commented [now](#)

Owner ...

No description provided.



DadysCookin added 3 commits 18 minutes ago

- [Create Dockerfile](#) **Verified** [dfaf673](#)
- [Create Jenkinsfile](#) **Verified** [6e1fe34](#)
- [Create deployment.yaml](#) **Verified** [10e2956](#)



✓ No conflicts with base branch
Merging can be performed automatically.

Merge pull request



You can also merge this with the command line. [View command line instructions.](#)



Add a comment

Write

Preview

H B I

Add your comment here...

```
git pull --rebase origin develop
```

```
# Step 2: Push your changes
```

```
git push origin develop
```

```
From https://github.com/DadysCookin/wiseanalytics-assignment
```

```
* branch                develop    -> FETCH_HEAD
```

```
Successfully rebased and updated refs/heads/develop.
```

```
Username for 'https://github.com': DadysCookin
```

```
Password for 'https://DadysCookin@github.com':
```

```
Enumerating objects: 4, done.
```

```
Counting objects: 100% (4/4), done.
```

```
Delta compression using up to 2 threads
```

```
Compressing objects: 100% (2/2), done.
```

```
Writing objects: 100% (3/3), 314 bytes | 314.00 KiB/s, done
```

```
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
```

```
remote: Resolving deltas: 100% (1/1), completed with 1 local object
```

```
To https://github.com/DadysCookin/wiseanalytics-assignment
```

```
185f339..e046871 develop -> develop
```

```
ubuntu@ip-172-31-94-198:~/git$
```

```
ubuntu@ip-172-31-94-198:~/git$
```

Configure

General

Triggers

Pipeline

Advanced

Triggers

Set up automated actions that start your build based on specific events, like code changes or scheduled times.

- ☐ Build after other projects are built ?
- ☐ Build periodically ?
- ☒ GitHub hook trigger for GITScm polling ?
- ☐ Poll SCM ?
- ☐ Trigger builds remotely (e.g., from scripts) ?

Pipeline

Define your Pipeline using Groovy directly or pull it from source control.

Definition

Pipeline script from SCM

SCM ?

Git

Repositories ?

Configure

General

Triggers

Pipeline

Advanced

SCM ?

Git

Repositories ?

Repository URL ?

https://github.com/DadysCookin/wiseanalytics-assignment.git

Credentials ?

ubuntu

+ Add

Advanced ▾

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

*/develop

Add Branch

Repository browser ?

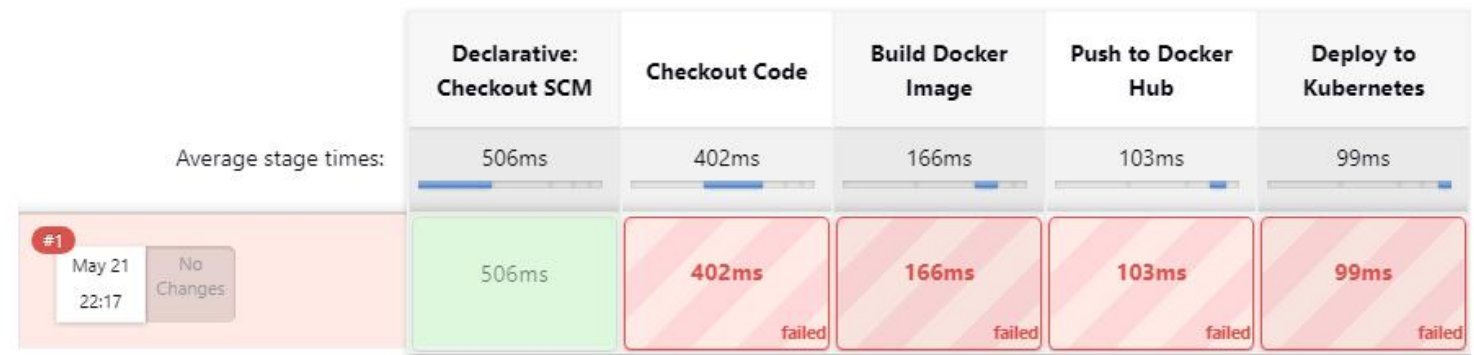
(Auto)

- Status
- Changes
- Build Now
- Configure
- Delete Pipeline
- Full Stage View
- GitHub
- Favorite
- Open Blue Ocean
- Stages
- Rename
- Pipeline Syntax
- GitHub Hook Log

job-pipeline

Creating Jenkins pipeline

Stage View



Permalinks

Builds

Filter

Today

#1 4:47 PM

Full Stage View

GitHub

Favorite

Open Blue Ocean

Stages

Rename

Pipeline Syntax

GitHub Hook Log

Builds

Filter

Today

- ✖ #14 5:26 PM ⌵
- ✖ #13 5:20 PM ⌵
- ✖ #12 5:18 PM ⌵
- ✖ #11 5:17 PM ⌵
- ✖ #10 5:14 PM ⌵
- ✖ #9 5:12 PM ⌵
- ✖ #8 5:10 PM ⌵
- ✖ #7 5:08 PM ⌵
- ✖ #6 5:06 PM ⌵
- ✖ #5 5:03 PM ⌵
- ✖ #4 4:59 PM ⌵
- ✖ #3 4:58 PM ⌵

Average stage times:

	Checkout SCM	Build Docker	Push to Docker	Deploy to Kubernetes
	305ms	444ms	87ms	90ms
#14 May 21 22:56 No Changes	336ms	369ms failed	89ms failed	88ms failed
#13 May 21 22:50 No Changes	269ms	376ms failed	80ms failed	84ms failed
#12 May 21 22:48 No Changes	335ms	373ms failed	85ms failed	94ms failed
#11 May 21 22:47 No Changes	283ms	661ms failed	95ms failed	94ms failed
#10 May 21 22:44 No Changes				
#9 May 21 22:42 No Changes				

Permalinks

- [Last build \(#13\), 6 min 4 sec ago](#)
- [Last failed build \(#13\), 6 min 4 sec ago](#)
- [Last unsuccessful build \(#13\), 6 min 4 sec ago](#)
- [Last completed build \(#13\), 6 min 4 sec ago](#)



wiseanalytics-assignment

Public

Pin

Unwatch 1

develop had recent pushes 42 minutes ago

Compare & pull request

main

2 Branches 0 Tags

Go to file



Add file

<> Code



DadysCookin Update Jenkinsfile

bcc78c7 · 12 minutes ago

13 Commits



Dockerfile

Create Dockerfile

1 hour ago



Jenkinsfile

Update Jenkinsfile

12 minutes ago



deployment.yaml

Create deployment.yaml

1 hour ago



readme

Create readme

2 hours ago



README



this is main

- Check File Fingerprint
- Manage Jenkins
- My Views
- Open Blue Ocean

Build Queue

No builds in the queue.

Build Executor Status

Built-In Node

0/2

Kube-cluster

0/1

Warnings have been published for the following currently installed components:

[docker-build-step 2.12:](#)
[CSRF vulnerability and missing permission check \(no fix available\)](#)
No fixes for these issues are available. It is recommended that you review the security advisory and apply mitigations if possible, or uninstall this plugin.

Go to plugin manager

Configure which of these warnings are shown

System Configuration

- System
Configure global settings and paths.
- Tools
Configure tools, their locations and automatic installers.
- Plugins
Add, remove, disable or enable plugins that can extend the functionality of Jenkins.
- Nodes
Add, remove, control and monitor various nodes that Jenkins runs jobs on.
- Docker
Plugin for launching build Agents as Docker containers
- Clouds
Add, remove, and configure cloud instances to provision agents on-demand.
- Appearance
Configure the look and feel of Jenkins

Security

- Security
Secure Jenkins; define who is allowed to access/use the system.
- Credentials
Configure credentials
- Credential Providers
Configure the credential providers and types
- Users
Create/delete/modify users that can log in to this Jenkins.

Status Information

- System Information
Displays various environmental information to assist trouble-shooting.
- System Log
System log captures output from java.util.logging output related to Jenkins
- Load Statistics
Check your resource utilization and see if you need more computers for your builds
- About Jenkins
See the version and license information