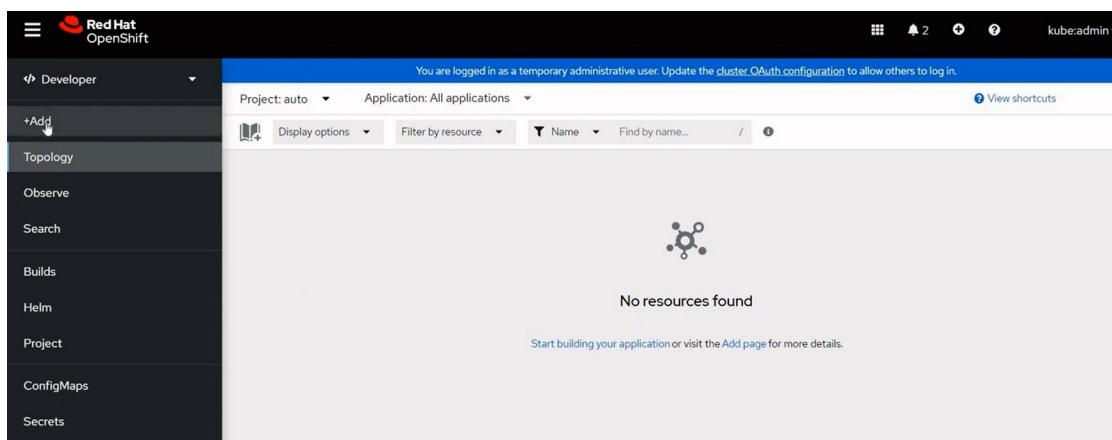


OpenShift CI CD with Jenkins

openshift
jenkins
getting started with openshift
get started with redhat openshift
selenium with jenkins
deploying jenkins on openshift part 2
deploy jenkins on openshift
install jenkins on openshift
deploy jenkins x on openshift
deploy jenkins on openshift 4
install jenkins on openshift 4
demo jenkins ci cd on openshift
run tests with jenkins
openshift jenkins pipeline yaml
how to deploy jenkins in openshift
about deploy jenkins on openshift



Red Hat OpenShift

You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.

Project: auto

Add

Getting started resources

- Create applications using samples
- Build with guided documentation
- Explore new developer features

Developer Catalog

All services

Git Repository

Container images

Sharing

View all samples

View all quick starts

What's new in OpenShift 4.11

https://console-openshift-console.apps.testkuldeep.williamandmilly.com/add/ns/auto

Developer Catalog

Developer Catalog - Red Hat OpenShift

You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.

Project: auto

All items

Filter by keyword...

A-Z

97 items

Type

- Builder Images (12)
- Devfiles (6)
- Helm Charts (39)
- Templates (40)

Builder Images

.NET

Apache HTTP Server (httpd)

Helm Charts

Provided by Red Hat

Templates

Apache HTTP Server

Provided by Red Hat, Inc.

An example Apache HTTP Server (httpd) application that serves static content. For more...

Builder Images

Basic .NET 6.0

Devfiles

Basic Go

Provided by Red Hat

A simple Hello World application using Go

Jenkins (Ephemeral)

Provided by Red Hat, Inc.

Jenkins service without persistent storage. WARNING: Any data stored will be lost upon...

Red Hat OpenShift

You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.

Project: auto

Search: jenkins

A-Z

5 items

Type

- Helm Charts (1)
- Templates (4)

Jenkins

Provided by Red Hat, Inc.

Jenkins service, with persistent storage. NOTE: You must have persistent volumes available in...

Jenkins

Provided by Red Hat

Jenkins is an open source automation server which enables developers to build, test, and...

Jenkins Monitored

Jenkins Monitored (Ephemeral)

Jenkins (Ephemeral)

Provided by Red Hat, Inc.

Jenkins service without persistent storage. WARNING: Any data stored will be lost upon...

Instantiate Template - Red Hat OpenShift | kuldeepsingh99/openshift-jenkins | +

Not secure | https://console-openshift-console.apps.testkuldeep.williamandmilly.com/catalog/instantiate-template?template=jenkins-ephemeral&template-ns=openshift&preselected... kube:admin

Instantiate Template

Namespace *

Jenkins Service Name

Jenkins JNLP Service Name

Enable OAuth in Jenkins

Memory Limit

Jenkins ImageStream Namespace

Jenkins (Ephemeral)

INSTANT-APP JENKINS

- View documentation
- Get support

Jenkins service, without persistent storage.

WARNING: Any data stored will be lost upon pod destruction. Only use this template for testing.

The following resources will be created:

- ConfigMap
- DeploymentConfig
- RoleBinding
- Route
- Service
- ServiceAccount



Instantiate Template - Red Hat OpenShift | kuldeepsingh99/openshift-jenkins | +

Not secure | https://console-openshift-console.apps.testkuldeep.williamandmilly.com/catalog/instantiate-template?template=jenkins-ephemeral&template-ns=openshift&preselected... kube:admin

Instantiate Template

Image used for the 'jnlp' container of the sample 'java-sidecar' and 'nodejs-sidecar' PodTemplates

Setting this value overrides the image used for the 'jnlp' container in the sample Kubernetes plug-in PodTemplates provided with this image. Otherwise, the image from the 'jenkins-agent-base:latest' ImageStreamTag in the 'openshift' namespace is used.

Image used for the 'java' container of the sample 'java-builder' PodTemplate

Setting this value overrides the image used for the 'java-builder' container in the sample Kubernetes plug-in PodTemplates provided with this image. Otherwise, the image from the 'javahost:latest' ImageStreamTag in the 'openshift' namespace is used.

Image used for the 'nodejs' container of the sample 'nodejs-builder' PodTemplate

Setting this value overrides the image used for the 'nodejs-builder' container in the sample Kubernetes plug-in PodTemplates provided with this image. Otherwise, the image from the 'nodejs:latest' ImageStreamTag in the 'openshift' namespace is used.

Red Hat OpenShift

You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.

Project: auto Application: All applications View shortcuts

Topology

Open URL 

DC jenkins

DC jenkins

Actions

Details Resources Observe

Pods

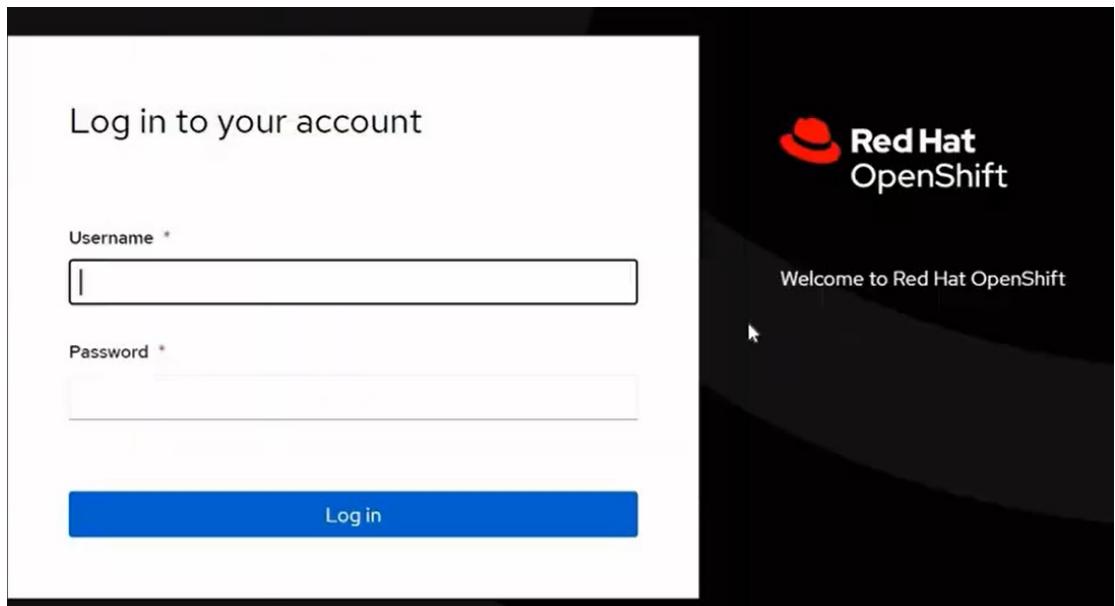
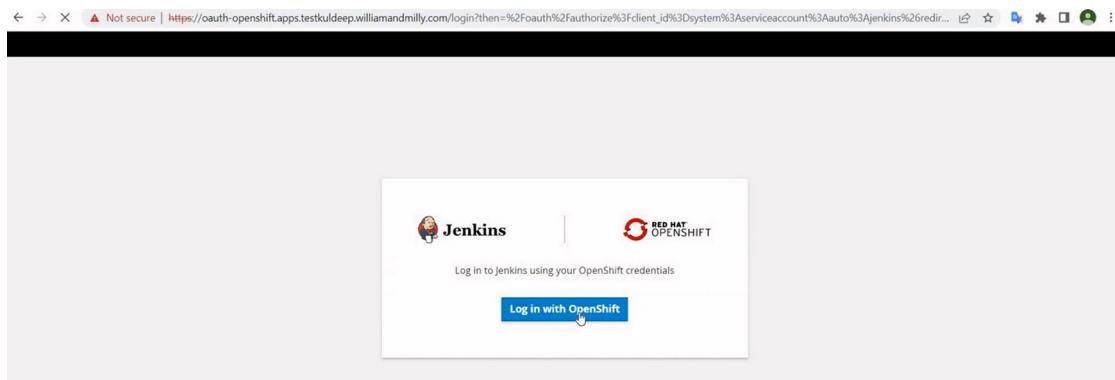
jenkins-1-cwqk2 Running View logs

Services

jenkins Service port: web → Pod port: 8080
jenkins-jnlp Service port: agent → Pod port: 50000

Routes

jenkins Location: 



← → ⌂ ▲ Not secure | https://oauth-openshift.apps.testkuldeep.williamandmilly.com/oauth/authorize/approve?client_id=system%3Aserviceaccount%3Aauto%3Ajenkins&redirect_uri=https%3A%2F%2Fjenkins-auto.apps.testkuldeep.williamandmilly.com%2FsecurityRealm%2FfinishLogin

Authorize Access

Service account jenkins in project auto is requesting permission to access your account (kube:admin)

Requested permissions

- user:info**
Read-only access to your user information (including username, identities, and group membership)
- user:check-access**
Read-only access to view your privileges (for example, "can I create builds?")

You will be redirected to https://jenkins-auto.apps.testkuldeep.williamandmilly.com/securityRealm/finishLogin

[Allow selected permissions](#) [Deny](#)

The screenshot shows the Jenkins dashboard. On the left, there's a sidebar with links like 'New Item', 'People', 'Build History', etc. The 'New Item' button is highlighted with a red box. The main area has a heading 'Welcome to Jenkins!' and a section 'Start building your software project' with a 'Create a job' button.

The screenshot shows the Red Hat OpenShift developer console. The sidebar on the left has 'Topology' selected. In the main area, there's a list of services, with one named 'jenkins' highlighted with a red box. The top bar shows the user is logged in as 'kube:admin'.

The screenshot shows the Red Hat OpenShift developer console. The sidebar on the left has 'Builds' selected. In the main area, it says 'BuildConfigs' and 'No BuildConfigs found'. There's a 'Create BuildConfig' button at the top right. The top bar shows the user is logged in as 'kube:admin'.

Jenkinsfile

<https://github.com/Siddhartha082/Openshift-Jenkin-CICD/blob/main/Jenkinsfile>

```

1 pipeline
2 {
3     agent {
4         label 'maven'
5     }
6     stages
7     {
8         stage('Build App')
9         {
10            steps
11            {
12                git branch: 'main', url: 'https://github.com/kuldeep Singh99/openshift-jenkins-ciCD.git'
13                script {
14                    def pom = readMavenPom file: 'pom.xml'
15                    version = pom.version
16                    sh "mvn install"
17                }
18            }
19        }
20    }
21    stage('Create Image Builder') {
22        when {
23            expression {
24                openshift.withCluster() {
25                    openshift.withProject() {
26                        return openshift.selector("bc", "sample-app-jenkins-new").exists()
27                    }
28                }
29            }
30        }
31        steps {
32            script {

```

The screenshot shows the Red Hat OpenShift developer interface with two parallel 'Create BuildConfig' forms. The left form is for a project named 'auto'. The right form is for a project named 'ci-cd'. Both forms show the same YAML configuration for a Jenkins Pipeline build.

```

1 apiVersion: build.openshift.io/v1
2 kind: BuildConfig
3 metadata:
4   name: example
5   namespace: auto
6 spec:
7   sources:
8     git:
9       ref: master
10      url: 'https://github.com/openshift/ruby-ex.git'
11      type: git
12   strategy:
13     type: Source
14     sourceStrategy:
15       from:
16         kind: ImageStreamTag
17         name: 'ruby:2.7'
18         namespace: openshift
19       env: []
20   triggers:

```

BuildConfig

Schema Samples

Build configurations define a build process for new container images. There are three types of builds possible - a container image build using a Dockerfile, a Source-to-Image build that uses a specially prepared base image that accepts source code that it can make runnable, and a custom build that can run // arbitrary container images as a base and accept the build parameters. Builds run on the cluster and on completion are pushed to the container image registry specified in the "output" section. A build can be triggered via a webhook, when the base image changes, or when a user manually requests a new build be // created.

Each build created by a build configuration is numbered and refers back to its parent configuration. Multiple builds can be triggered at once. Builds that do not have "output" set can be used to test code or run a verification build.

```

4   name: ci-cd
5   namespace: auto
6   spec:
7     sources:
8       git:
9         ref: main
10        url: 'https://github.com/kuldeep Singh99/openshift-jenkins-ciCD.git'
11        type: git
12     strategy:
13       type: Source
14       sourceStrategy:
15         from:
16           kind: ImageStreamTag
17           name: 'ruby:2.7'
18           namespace: openshift
19         env: []
20     triggers:

```

BuildConfig

Schema Samples

Build configurations define a build process for new container images. There are three types of builds possible - a container image build using a Dockerfile, a Source-to-Image build that uses a specially prepared base image that accepts source code that it can make runnable, and a custom build that can run // arbitrary container images as a base and accept the build parameters. Builds run on the cluster and on completion are pushed to the container image registry specified in the "output" section. A build can be triggered via a webhook, when the base image changes, or when a user manually requests a new build be // created.

Each build created by a build configuration is numbered and refers back to its parent configuration. Multiple builds can be triggered at once. Builds that do not have "output" set can be used to test code or run a verification build.

```

1 type: JenkinsPipeline
2   jenkinsPipelineStrategy:
3     jenkinsfilePath: Jenkinsfile

```

Create BuildConfig

Create by manually entering YAML or JSON definitions, or by dragging and dropping a file into the editor.

```

1  apiVersion: build.openshift.io/v1
2  kind: BuildConfig
3  metadata:
4    name: ci-cd
5    namespace: auto
6  spec:
7    source:
8      git:
9        ref: main
10       url: 'https://github.com/kuldeepsingh99/openshift-jenkins-ci-cd.git'
11     type: Git
12   strategy:
13     type: JenkinsPipeline
14     jenkinsPipelineStrategy:
15       jenkinsfilePath: Jenkinsfile
16   triggers:
17     - type: ImageChange
18       imageChange: {}
19     - type: ConfigChange
20

```

BuildConfig

[Schema](#) [Samples](#)

Build configurations define a build process for new container images. There are three types of builds possible - a container image build using a Dockerfile Source-to-Image build that uses a specially prepared base image that accepts source code that it can make runnable, and a custom build that can run // arbitrary container images as a base and accept the build parameters. Builds run on the cluster and on completion are pushed to the container image registry specified in the "output" section. A build can be triggered via a webhook, when the base image changes, or when a manually requests a new build be // created.

Each build created by a build configuration is numbered and refers back to its parent configuration. Multiple builds can be triggered at once. Builds that do not have a

You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.

Project: auto

BuildConfigs > BuildConfig details

BC ci-cd

[Actions](#)

BuildConfig details

Name	ci-cd	Type	JenkinsPipeline
Namespace	auto	Git repository	https://github.com/kuldeepsingh99/openshift-jenkins-ci-cd.git
Labels	No labels	Git ref	main
Annotations		JenkinsFile path	Jenkinsfile

You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.

Project: auto

BuildConfigs > BuildConfig details

BC ci-cd

[Actions](#)

Builds

Filter

Name	Status	Created
ci-cd	New	Nov 2, 2022, 1:54 PM

The screenshot shows the Red Hat OpenShift web interface. The left sidebar has a 'Developer' dropdown, '+Add' button, 'Topology', 'Observe', 'Search', 'Builds' (which is selected), 'Pipelines', 'Helm', 'Project', 'ConfigMaps', and 'Secrets'. The main content area shows a 'Builds > Build details' page for project 'auto'. A banner at the top says 'You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.' Below it, a card for build 'ci-cd-1' (status 'New') is shown. The 'Details' tab is selected, displaying a warning about pipeline build strategy deprecation. The 'Build details' section shows a table with columns 'Name' (ci-cd-1), 'Status' (New), 'Namespace' (auto), and 'Type' (JenkinsPipeline). A 'View logs' button is highlighted with a mouse cursor.

The screenshot shows a Jenkins interface with a sidebar on the left containing links like Dashboard, Back to Project, Status, Changes, Console Output (which is selected), View as plain text, Edit Build Information, Timings, Git Build Data, Open Blue Ocean, Thread Dump, Pause/resume, Replay, Pipeline Steps, and Workspaces. The main content area is titled "Console Output" and displays the following log output:

```
curl -SfL https://github.com/kuldeepsingh99/openshift-jenkins-cicd.git -o /var/lib/jenkins/jobs/auto/workspace@script/99414f61ccbfb86bcea51f48b68985dd1b30eaaa2f769d647fb220a8d861ab73 to read Jenkinsfile
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/kuldeepsingh99/openshift-jenkins-cicd.git
> git init /var/lib/jenkins/jobs/auto/workspace@script/99414f61ccbfb86bcea51f48b68985dd1b30eaaa2f769d647fb220a8d861ab73 # timeout=10
Fetching upstream changes from https://github.com/kuldeepsingh99/openshift-jenkins-cicd.git
> git --version # timeout=10
> git --version # 'git version 2.27.0'
> git fetch --tags --force --progress -- https://github.com/kuldeepsingh99/openshift-jenkins-cicd.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git config remote.origin.url https://github.com/kuldeepsingh99/openshift-jenkins-cicd.git # timeout=10
> git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
> git rev-parse origin/main{commit} # timeout=10
Checking out Revision 7645f21753fb0c25f988d6e8424cd8fc1eed07c (origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f 7645f21753fb0c25f988d6e8424cd8fc1eed07c # timeout=10
Commit message: "Testing"
First line bold. Skipping changelog.
[Pipeline] Start of Pipeline
[Pipeline] mode
Still waiting to schedule task
'maven-v4gvx' is offline
```

The screenshot shows the Jenkins interface with a successful build output. The build name is 'auto-ci-cd'. The output details the cloning of the repository from GitHub, the execution of git commands like 'git init', 'git fetch', and 'git config', and the final commit message 'testing'. The Jenkins UI includes a sidebar with various project links and a top navigation bar with user information.

```
OpenShift Build auto-ci-cd-1 from https://github.com/kuldeepsingh99/openshift-jenkins-cicd.git
Checking out git https://github.com/kuldeepsingh99/openshift-jenkins-cicd.git into /var/lib/jenkins/jobs/auto/jobs/auto-ci-cd/workspace@script:99414f61bcbfb86bea51f48b68985dd1b30eaaa2f769d647fb220a8d861ab73 to read Jenkinsfile
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/kuldeepsingh99/openshift-jenkins-cicd.git
> git init /var/lib/jenkins/jobs/auto/jobs/auto-ci-cd/workspace@script:99414f61bcbfb86bea51f48b68985dd1b30eaaa2f769d647fb220a8d861ab73 # timeout=10
Fetching upstream changes from https://github.com/kuldeepsingh99/openshift-jenkins-cicd.git
> git --version # timeout=10
> git --version # git version 2.27.0'
> git fetch --tags --force --progress -- https://github.com/kuldeepsingh99/openshift-jenkins-cicd.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git config remote.origin.url https://github.com/kuldeepsingh99/openshift-jenkins-cicd.git # timeout=10
> git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
> git rev-parse origin/main^{commit} # timeout=10
Checking out Revision 7645f2175f0a2c5f9080d6e8424cd6dfc1eed07c (origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f 7645f2175f0a2c5f9080d6e8424cd6dfc1eed07c # timeout=10
Commit message: "testing"
First time build. Skipping changelog.
[Pipeline] Start of Pipeline
[Pipeline] node
Still waiting to schedule task
'maven-v4gmv' is offline
Agent maven-v4gmv is provisioned from template maven
...
apiVersion: "v1"
```

The screenshot shows the Jenkins interface for a job named 'auto' under the 'auto-ci-cd' project. The current build is labeled '#1'. On the left, there's a sidebar with various options like 'Back to Project', 'Status', 'Changes', 'Console Output' (which is selected), 'Edit Build Information', 'Timings', 'Git Build Data', 'Open Blue Ocean' (highlighted with a blue border), 'Thread Dump', 'Pause/resume', 'Replay', 'Pipeline Steps', and 'Workspaces'. The main area is titled 'Console Output' and displays the build log. The log starts with 'OpenShift Build auto/ci-cd-1 from https://github.com/kuldeep Singh99/openshift-jenkins-cicd.git' and continues through several git commands, including cloning, fetching upstream changes, and setting up remote origins. It also mentions a 'Commit message: "testing"' and a 'First time build. Skipping changelog.' The log ends with a note about 'maven-v4gpx' being offline and provisioned from template maven. A progress bar at the top right indicates the build is complete.

The screenshot shows the Red Hat OpenShift console interface. The left sidebar has sections for 'Developer', '+Add', 'Topology', 'Observe', 'Search', 'Builds' (which is selected), 'Pipelines', 'Helm', 'Project', 'ConfigMaps', and 'Secrets'. The main content area is titled 'Builds > Build details' for 'ci-cd-1'. It shows the build status as 'Running'. Below this, there's a 'Pipeline build strategy deprecation' notice. The 'Build details' section contains a flowchart with three steps: 'Build False Just now', 'Declarative: Check Just now', and 'Build App Just now'. To the right, there are fields for 'Name' (ci-cd-1), 'Namespace' (NS auto), 'Status' (Running), and 'Type' (JenkinsPipeline). A red play button icon is located in the bottom right corner of the main content area.

Screenshot of Jenkins Pipeline details for 'auto / auto-ci-cd' showing a single step named 'Build App'.

Pipeline Step Details:

- Description:** OpenShift Build auto/ci-cd-1 from https://github.com/kuldeep Singh99/openshift-jenkins-cicd.git
- Start:** ●
- Build App:** ● (highlighted)
- End:** ●

Build App - 27s

- > Check out from version control 8s
- > Git <1s
- > pom.xml – Read a maven project file. <1s
- > mvn install – Shell Script 7s

1.25.8 · Core 2.319.2 · fa020d0 · 7th September 2022 02:45 AM 

auto / auto-ci-cd 1

Branch: - 47s Commit: - No changes OpenShift Build auto/ci-cd-1 from https://github.com/kuldeep Singh99/openshift-jenkins-cicd.git

Description: OpenShift Build auto/ci-cd-1 from https://github.com/kuldeep Singh99/openshift-jenkins-cicd.git

Build App - 30s

- > Check out from version control 8s
- > Git <1s
- > pom.xml – Read a maven project file. <1s
- > mvn install – Shell Script 10s



Jenkins

Dashboard

New Item

People

Build History

Manage Jenkins

My Views

Open Blue Ocean

Lockable Resources

New View

Build Queue

No builds in the queue.

Build Executor Status

Built-In Node

1 Idle

2 Idle

https://jenkins-auto.apps.testkuldeep.williamandmilly.com/job/auto/

Add description

Icon legend

Atom feed for all

Atom feed for failures

Atom feed for just latest builds

Jenkins

Dashboard > auto >

Status

Configure

New Item

Delete Folder

People

Build History

Open Blue Ocean

Rename

Config Files

auto

Folder for the OpenShift project: auto

Add description

All

S W Name Last Success Last Failure Last Duration Fav

auto:ci-cd N/A N/A N/A

Icon: S M L

Icon legend

Atom feed for all

Atom feed for failures

Atom feed for just latest builds

Add description

Jenkins

Dashboard > auto > auto:ci-cd >

Up

Status

Changes

Build Now

Configure

Delete Pipeline

Move

Open Blue Ocean

Rename

Pipeline Syntax

Build History trend

Filter builds... Started 1 min 20 sec ago

Estimated remaining time: N/A

Nov 2, 2023

OpenShift Build auto:ci-cd-1 from https://github.com/kuldeep99/openshift-jenkins-

Pipeline auto:ci-cd

Full project name: auto:ci-cd [jenkins]

Add description

Disable Project

Recent Changes

Permalinks

Last build (#1), 1 min 20 sec ago

Add description

The screenshot shows a Jenkins pipeline interface. On the left, a sidebar lists various Jenkins features: Back to Project, Status, Changes, Console Output (which is selected and highlighted in blue), View as plain text, Edit Build Information, Timings, Git Build Data, Open Blue Ocean, Thread Dump, Pause/resume, Replay, Pipeline Steps, and Workspaces. The main content area is titled "Console Output". It displays the log output for a build step, starting with "Skipping 541 KB. Full Log" and showing a file size of 6.4 kB. Below this, several Maven dependency download logs are shown, each with a progress bar indicating the download status. The logs include:

- Downloaded from central: <https://repo1.maven.org/maven2/org/apache/maven/shared/maven-shared-components/19/maven-shared-components-19.pom> (6.4 kB at 245 kB/s)
- Downloaded from central: <https://repo1.maven.org/maven2/org/apache/maven/maven-plugin-api/2.2.1/maven-plugin-api-2.2.1.pom>
- Progress (1): 1.5 kB
- Downloaded from central: <https://repo1.maven.org/maven2/org/apache/maven/maven-plugin-api/2.2.1/maven-plugin-api-2.2.1.pom> (1.5 kB at 58 kB/s)
- Downloaded from central: <https://repo1.maven.org/maven2/org/apache/maven/maven/2.2.1/maven-2.2.1.pom>
- Progress (1): 4.1/22 kB
- Progress (1): 8.2/22 kB
- Progress (1): 12/22 kB
- Progress (1): 16/22 kB
- Progress (1): 20/22 kB
- Progress (1): 22 kB
- Downloaded from central: <https://repo1.maven.org/maven2/org/apache/maven/maven/2.2.1/maven-2.2.1.pom> (22 kB at 896 kB/s)
- Downloaded from central: <https://repo1.maven.org/maven2/org/apache/maven/maven-parent/11/maven-parent-11.pom>
- Progress (1): 4.1/32 kB
- Progress (1): 8.2/32 kB
- Progress (1): 12/32 kB
- Progress (1): 16/32 kB
- Progress (1): 20/32 kB
- Progress (1): 25/32 kB
- Progress (1): 29/32 kB
- Progress (1): 32 kB
- Downloaded from central: <https://repo1.maven.org/maven2/org/apache/maven/maven-parent/11/maven-parent-11.pom> (32 kB at 1.2 kB/s)
- Downloaded from central: <https://repo1.maven.org/maven2/org/apache/apache/5/apache-5.pom>
- Progress (1): 1/141 kB

At the top right of the main content area, there is a "Progress" indicator consisting of a blue progress bar and a red "cancel" icon.

```
ci-cd-1 - Details - Red Hat OpenShift | Jenkins / auto/auto-ci-cd / auto | auto > auto/ci-cd #1 Console [ie] | kuldeepsingh99/openshift-jenkins | +  
← → C Not set 🔍 https://jenkins-auto.apps.testkuldeep.williamandmilly.com/job/auto/job/auto-ci-cd/1/console  
  
Dashboard > auto > auto/ci-cd > #1  
+ rm -rf ocp  
+ mkdir -p ocp/deployments  
[Pipeline] sh  
+ pwd  
/tmp/workspace/auto/auto-ci-cd  
+ ls -la target  
total 17368  
drwxr-sr-x. 10 1000670000 1000670000 4096 Nov 2 12:55 .  
drwxr-sr-x. 6 1000670000 1000670000 198 Nov 2 12:55 ..  
drwxr-sr-x. 3 1000670000 1000670000 47 Nov 2 12:55 classes  
drwxr-sr-x. 3 1000670000 1000670000 25 Nov 2 12:55 generated-sources  
drwxr-sr-x. 3 1000670000 1000670000 30 Nov 2 12:55 generated-test-sources  
-rw-r--r--. 1 1000670000 1000670000 207151 Nov 2 12:55 jacoco.exec  
drwxr-sr-x. 2 1000670000 1000670000 28 Nov 2 12:55 maven-archiver  
drwxr-sr-x. 3 1000670000 1000670000 35 Nov 2 12:55 maven-status  
-rw-r--r--. 1 1000670000 1000670000 1756423 Nov 2 12:55 openshiftjenkins-0.0.1-SNAPSHOT.jar  
-rw-r--r--. 1 1000670000 1000670000 3803 Nov 2 12:55 openshiftjenkins-0.0.1-SNAPSHOT.jar.original  
drwxr-sr-x. 3 1000670000 1000670000 20 Nov 2 12:55 site  
drwxr-sr-x. 2 1000670000 1000670000 155 Nov 2 12:55 surefire-reports  
drwxr-sr-x. 3 1000670000 1000670000 17 Nov 2 12:55 test-classes  
[Pipeline] sh  
+ cp target/openshiftjenkins-0.0.1-SNAPSHOT.jar ocp/deployments  
[Pipeline] script  
[Pipeline] [Pipeline] _ObjectContextInit  
[Pipeline] _ObjectContextInit  
[Pipeline] readFile  
[Pipeline] readFile  
[Pipeline] _tAction  
[Pipeline] _tAction  
NOTE: the selector returned when -F/--follow is supplied to startBuild() will be ineffective for the various selector operations.  
Consider removing those options from startBuild and using the logs() command to follow the build output.  
[start-build:buildconfig/sample-app-jenkins-new] Uploading directory "ocp" as binary input for the build ...
```

ci-cd-1 - Details - Red Hat OpenShift | Jenkins / auto/auto-ci-cd / auto- | auto > auto/ci-cd #1 Console | kuldeepsingh99/openshift-jenkins | +

Not secure | https://console-openshift-console.apps.testkuldeep.williamandmilly.com/k8s/ns/auto/builds/ci-cd-1

Red Hat OpenShift

You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.

Project: auto

Builds > Build details

ci-cd-1 ⚡ Running

Actions ▾

Details Metrics YAML Environment Logs Events

Pipeline build strategy deprecation

With the release of OpenShift Pipelines based on Tekton, the pipelines build strategy has been deprecated. Users should either use Jenkins files directly on Jenkins or use cloud-native CI/CD with Openshift Pipelines. Try the OpenShift Pipelines tutorial.

Build details

Build false 1 minute ago View logs ↗ Declarative: Check... 1 minute ago → Build App 1 minute ago → Create Image Build... Just now → Build Image Just now

Name: ci-cd-1 Status: Running Namespace: NS auto Type: JenkinsPipeline

Play

ci-cd-1 - Details - Red Hat OpenShift | Jenkins / auto/auto-ci-cd / auto- | auto > auto/ci-cd #1 Console | kuldeepsingh99/openshift-jenkins | +

Not secure | https://console-openshift-console.apps.testkuldeep.williamandmilly.com/k8s/ns/auto/builds/ci-cd-1

Pipeline build strategy deprecation

With the release of OpenShift Pipelines based on Tekton, the pipelines build strategy has been deprecated. Users should either use Jenkins files directly on Jenkins or use cloud-native CI/CD with Openshift Pipelines. Try the OpenShift Pipelines tutorial.

Build details

Build false 2 minutes ago View logs ↗ Declarative: Check... 1 minute ago → Build App 1 minute ago → Create Image Build... Just now → Build Image Just now → deploy Just now

Name: ci-cd-1 Status: Complete Namespace: NS auto Type: JenkinsPipeline Labels: buildcon, ~ci-cd, openshift, ~ci-cd, openshift, ~Serial Git repository: https://github.com/kuldeepsingh99/openshift-jenkins-cicd.git

Play

ci-cd-1 - Details - Red Hat OpenShift | Jenkins / auto/auto-ci-cd / auto- | auto > auto/ci-cd #1 Console | kuldeepsingh99/openshift-jenkins | +

Not secure | https://jenkins-auto.apps.testkuldeep.williamandmilly.com/blue/organizations/jenkins/auto%2Fauto-ci-cd/detail/auto-ci-cd/1/pipeline

✓ auto / auto/ci-cd 1 Pipeline Changes Tests Artifacts ⌂ ⌂ ⌂ Logout

Branch: — 2m 14s No changes Commit: — 2 minutes ago OpenShift Build auto/ci-cd-1 from https://github.com/kuldeepsingh99/openshift-jenkins-cicd.git

Description OpenShift Build auto/ci-cd-1 from https://github.com/kuldeepsingh99/openshift-jenkins-cicd.git

Start Build App Create Image Builder Build Image deploy End

deploy - <1s

- > Internal utility function for OpenShift DSL
- > Internal utility function for OpenShift DSL
- > /var/run/secrets/kubernetes.io/serviceaccount/namespace — Read file from workspace
- > /var/run/secrets/kubernetes.io/serviceaccount/token — Read file from workspace
- > Internal utility function for OpenShift DSL
- > Internal utility function for OpenShift DSL
- > /var/run/secrets/kubernetes.io/serviceaccount/namespace — Read file from workspace

Restart deploy

The screenshot displays three browser windows illustrating the Jenkins CI/CD pipeline and its integration with Red Hat OpenShift.

Top Window: Jenkins CI/CD Pipeline Details

- URL: <https://jenkins-auto.apps.testkuldeep.williamandmilly.com/job/auto/job/auto-ci-cd/>
- Project Name: auto/auto-ci-cd
- Recent Changes section shows the last four builds.
- Build History section shows a single build from Nov 2, 2022, at 12:54 PM.
- REST API and Jenkins 2.302.2 icons are visible.

Middle Window: Red Hat OpenShift Topology View

- URL: <https://console.openshift-console.apps.testkuldeep.williamandmilly.com/topology/ns/auto?view=graph&selectId=15f1e5d6-6357-445d-b2f3-55d5df077815>
- Project: auto
- Application: All applications
- Topology view shows two pods: jenkins (DC) and sample-app-jenkins-new (DC).
- sample-app-jenkins-new pod has a health check warning: "Container sample-app-jenkins-new does not have health checks to ensure your application is running correctly. Add health checks".
- Details, Resources, and Observe tabs are available for the sample-app-jenkins-new pod.
- Pods section shows the sample-app-jenkins-new pod is running.
- Builds section shows a build completed 2 minutes ago.

Bottom Window: Browser Address Bar

- URL: <http://sample-app-jenkins-new-auto.apps.testkuldeep.williamandmilly.com/hello>
- Text in address bar: "Hello World testing webhook" (highlighted with a red box).

o/p

Siddhartha082 / Openshift-Jenkin-CICD

Type to search

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main Openshift-Jenkin-CICD / src / main / java / com / portal / openshiftjenkins / controller / TestController.java

Siddhartha082 Openshift-Jenkins-Cl/CD

Code Blame 13 lines (10 loc) · 324 Bytes

```

1 package com.portal.openshiftjenkins.controller;
2
3 import org.springframework.web.bind.annotation.GetMapping;
4 import org.springframework.web.bind.annotation.RestController;
5
6 @RestController
7 public class TestController {
8
9     @GetMapping("/hello")
10    public String ping() {
11        return "Openshift Pipe Line Testing";
12    }
13 }
```

admin

You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.

Project: auto Application: All applications View shortcuts

Developer Administrator Developer

Observe Search Builds Pipelines Helm Project ConfigMaps

Jenkins sample...ns-new

You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.

Project: auto

DeploymentConfigs Create DeploymentConfig

Name	Status	Labels	Pod selector
DC jenkins	1 of 1 pods	app=jenkins..., template=jenkins..., template...=bad5cfb...	name=jenkins
DC sample-app-jenkins-new	1 of 1 pods	app=sample..., app.kub...=sample..., app.kub...=sample...	deploymentconfig=sample-app-jenkins-new

Administrator Home Operators Workloads Pods Deployments DeploymentConfigs StatefulSets Secrets ConfigMaps CronJobs Jobs

You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.

Project: auto

BuildConfigs Create BuildConfig

Name	Labels	Created
BC ci-cd	No labels	Nov 2, 2022, 1:54 PM
BC sample-app-jenkins-new	build=sample...	Nov 2, 2022, 1:55 PM

Jobs DaemonSets ReplicaSets ReplicationControllers HorizontalPodAutoscalers PodDisruptionBudgets Networking Storage Builds BuildConfigs Builds ImageStreams

Red Hat OpenShift

Project: auto

Routes

Name	Status	Location	Service
jenkins	Accepted	https://jenkins-auto.apps.testkuldeep.williamandmilly.com	jenkins
sample-app-jenkins-new	Accepted	http://sample-app-jenkins-new-auto.apps.testkuldeep.williamandmilly.com	sample-app-jenkins-new

Create Route

Red Hat OpenShift

Project: auto

Services

Name	Labels	Pod selector	Location
jenkins	app=jenkins..., template=jenkins..., templat... *bad5cfb...	name=jenkins	172.30.166.163:80
jenkins-jnlp	app=jenkins..., template=jenkins..., templat... *bad5cfb...	name=jenkins	172.30.248.6:50000
sample-app-jenkins-new	app=sample..., app.kub... *sample..., app.kub... *sample...	deploymentconfig=sample-app-jenkins-new	172.30.95.24:8080 172.30.95.24:8443 172.30.95.24:8778

Create Service

integrate the Webhook

Red Hat OpenShift

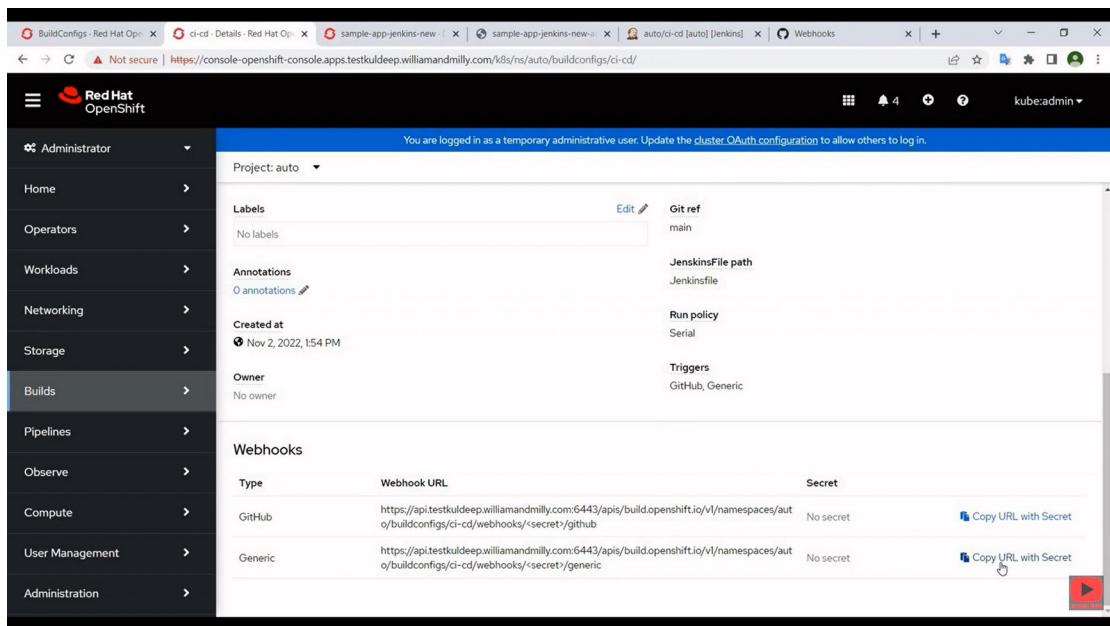
Project: auto

BuildConfigs > BuildConfig details

BC sample-app-jenkins-new

Actions

Details	YAML	Builds	Environment	Events
BuildConfig details				
Name sample-app-jenkins-new				Type Source
Namespace NS auto				Build from IST openjdk18-openshift:1.14-3
Labels build=sample...				Output to IST sample-app-jenkins-new:latest
				Run policy

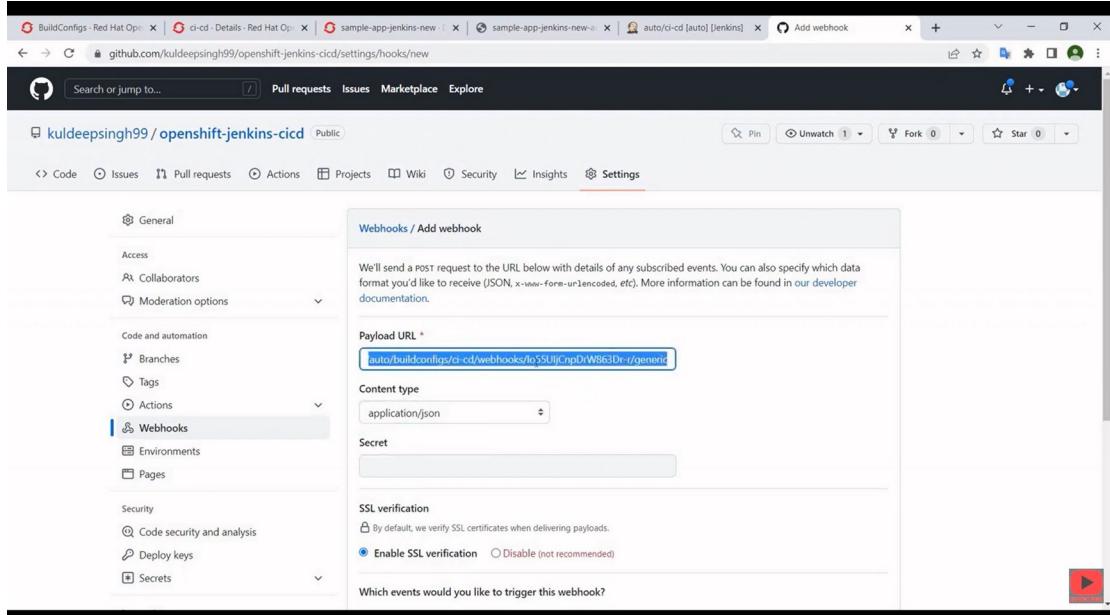


The screenshot shows the Red Hat OpenShift webhooks configuration for a project named 'auto'. The left sidebar lists various categories like Home, Operators, Workloads, Networking, Storage, Builds, Pipelines, Observe, Compute, User Management, and Administration. The 'Builds' category is currently selected. The main panel displays webhook details:

Type	Webhook URL	Secret
GitHub	<a href="https://api.testkuldeep.williamandmilly.com:6443/apis/build.openshift.io/v1/namespaces/auto/buildconfigs/ci-cd/webhooks/<secret>/github">https://api.testkuldeep.williamandmilly.com:6443/apis/build.openshift.io/v1/namespaces/auto/buildconfigs/ci-cd/webhooks/<secret>/github	No secret
Generic	<a href="https://api.testkuldeep.williamandmilly.com:6443/apis/build.openshift.io/v1/namespaces/auto/buildconfigs/ci-cd/webhooks/<secret>/generic">https://api.testkuldeep.williamandmilly.com:6443/apis/build.openshift.io/v1/namespaces/auto/buildconfigs/ci-cd/webhooks/<secret>/generic	No secret

There are 'Copy URL with Secret' and 'Copy URL with Secret' buttons next to each row.

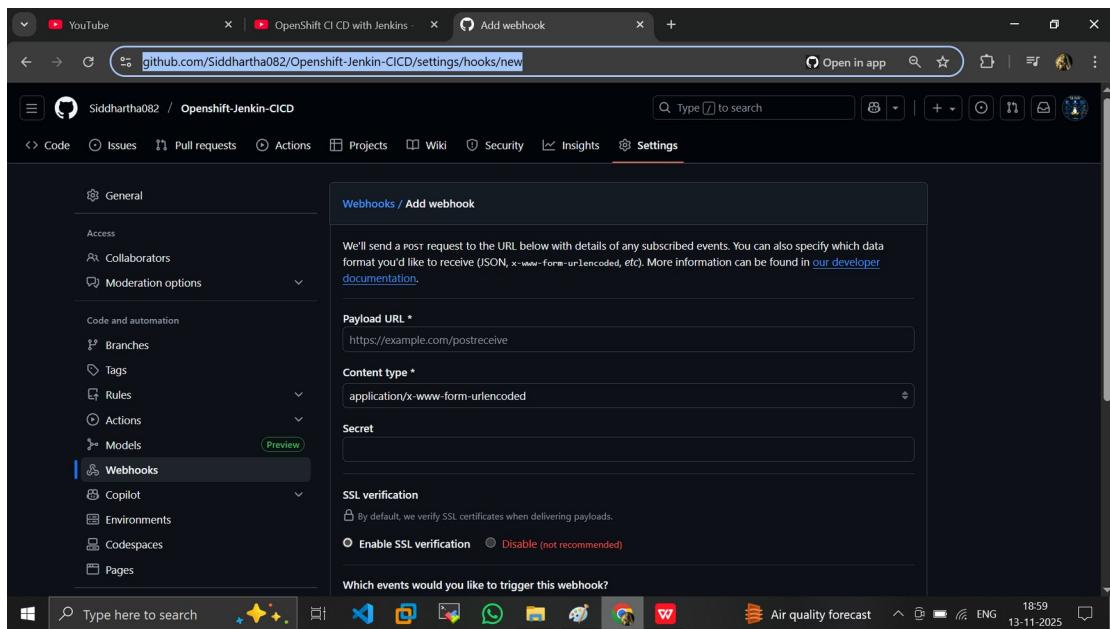
Git Account - Webhook session



The screenshot shows the GitHub settings page for a repository named 'kuldeepsingh99/openshift-jenkins-ci-cd'. The left sidebar shows 'General', 'Access', 'Collaborators', 'Moderation options', 'Code and automation' (with 'Webhooks' selected), 'Branches', 'Tags', 'Actions', 'Environments', 'Pages', 'Security', 'Code security and analysis', 'Deploy keys', and 'Secrets'. The main panel is titled 'Webhooks / Add webhook' and contains the following fields:

- Payload URL ***: `auto/buildconfigs/ci-cd/webhooks/<SECRET>/github`
- Content type**: application/json
- Secret**: (empty field)
- SSL verification**:
 - By default, we verify SSL certificates when delivering payloads.
 - Enable SSL verification
 - Disable (not recommended)
- Which events would you like to trigger this webhook?**: (empty field)

<https://github.com/Siddhartha082/Openshift-Jenkin-CICD/settings/hooks/new>



This screenshot shows the GitHub Settings page for the same repository, displaying two separate webhook configurations. The left sidebar shows the "Webhooks" section is still selected. The right side shows two distinct webhook entries:

- Webhook 1:**
 - Payload URL ***: https://api.testkuldeep.williamandmilly.com:6443/apis/build.opensh
 - Content type**: application/json
 - Secret**: io55UljCnpDrW863Dr-r
 - SSL verification**:
 - Enable SSL verification
 - Disable (not recommended)
 - Which events would you like to trigger this webhook?**
 - Just the push event.
 - Send me everything.
 - Let me select individual events.
 - Active**:
 - Active
 - We will deliver event details when this hook is triggered.
 - SSL verification**:
 - Enable SSL verification
 - Disable (not recommended)
 - Which events would you like to trigger this webhook?**
 - Just the push event.
 - Send me everything.
 - Let me select individual events.
- Webhook 2:**
 - Active**:
 - Active
 - We will deliver event details when this hook is triggered.
 - Add webhook** button (green button at the bottom of the card)

Webhooks / Manage webhook

General

Access

Collaborators

Moderation options

Code and automation

Branches

Tags

Actions

Webhooks (selected)

Environments

Pages

Security

Code security and analysis

Deploy keys

Secrets

Payload

```
{
  "zen": "Avoid administrative distraction.",
  "hook_id": 386635466,
  "hook": {
    "type": "Repository",
    "id": 386635466,
    "name": "web",
    "active": true,
    "events": [
      "push"
    ]
  }
}
```

Secret

If you've lost or forgotten this secret, you can change it, but be aware that any integrations using this secret will need to be updated. — [Change Secret](#)

SSL verification

By default, we verify SSL certificates when delivering payloads.

Enable SSL verification (Disable (not recommended))

Which events would you like to trigger this webhook?

Just the push event.

Send me everything.

Let me select individual events.

Active

We will deliver event details when this hook is triggered.

Update webhook **Delete webhook**

Are you sure?

Warning: Disabling SSL verification has serious implications.

SSL verification helps ensure that hook payloads are delivered to your URL endpoint securely, keeping your data away from prying eyes. Disabling this option is not recommended.

Enable SSL verification (Disable (not recommended))

Which events would you like to trigger this webhook?

Just the push event.

Send me everything.

Let me select individual events.

Active

We will deliver event details when this hook is triggered.

Update webhook **Delete webhook**

Security

- Code security and analysis
- Deploy keys
- Secrets**
- Integrations
- GitHub apps
- Email notifications

If you've lost or forgotten this secret, you can change it, but be aware that any integrations using this secret will need to be updated. — [Change Secret](#)

SSL verification

By default, we verify SSL certificates when delivering payloads.

Enable SSL verification Disable (not recommended)

Which events would you like to trigger this webhook?

Just the push event.

Send me everything.

Let me select individual events.

Active

We will deliver payload details when this hook is triggered.

Update webhook **Delete webhook**

de Issues Pull requests Actions Projects Wiki Security Insights Settings

General

Webhooks / Manage webhook

Access

Collaborators

Moderation options

Code and automation

Branches

Tags

Actions

Webhooks

Environments

Pages

Security

Code security and analysis

Settings Recent Deliveries

Request

Redeliver

We couldn't deliver this payload: x509: certificate signed by unknown authority

Payload

```
{
  "zen": "Avoid administrative distraction.",
  "hook_id": 386635466,
  "hook": {
    "type": "Repository",
    "id": 386635466,
    "name": "web",
    "active": true
  }
}
```

Redeliver payload?

The payload will be delivered to <https://api.testkuldeep.williamandmilly.com:6443/apis/build.openshift.io/v1/namespaces/auto/buildconfigs/ci-cd/webhooks/lo55UljCnpDrW863Dr-r/generic> using the current webhook configuration.

Yes, redeliver this payload

Request Redeliver

We couldn't deliver this payload: x509: certificate signed by unknown authority

payload

```
"zen": "Avoid administrative distraction.",
"hook_id": 386635466,
"hook": {
  "type": "Repository",
  "id": 386635466,
  "name": "web",
  "active": true
}
```

The screenshot shows the GitHub Settings interface for managing webhooks. The left sidebar has a 'Webhooks' section selected. The main area is titled 'Webhooks / Manage webhook' and shows two recent delivery entries:

Delivery ID	Event	Timestamp	...
4e9aae10-5aaf-11ed-8cee-98d5b9c76e1	ping	2022-11-02 14:08:02	...
4e9aae10-5aaf-11ed-8cee-98d5b9c76e1	ping	2022-11-02 14:07:31	...

change the code

A screenshot of a browser window showing a Jenkins webhook response. The URL is sample-app-jenkins-new-auto.apps.testkuldeep.williamandmilly.com/hello. The page content is "Hello World testing webhook".

The screenshot shows the GitHub code editor for the file 'TestController.java'. The code contains a simple Spring REST controller with a single endpoint that returns a "Hello World" message. The line containing the return statement is highlighted with a red box.

```
1 package com.portal.openshiftjenkins.controller;
2
3 import org.springframework.web.bind.annotation.GetMapping;
4 import org.springframework.web.bind.annotation.RestController;
5
6 @RestController
7 public class TestController {
8
9     @GetMapping("/hello")
10    public String ping() {
11        return "Hello World testing webhook jenkins";
12    }
13 }
```

The screenshot shows the GitHub 'Commit changes' dialog. It includes fields for a commit title ('Testing'), an optional extended description, and two radio button options for committing:

- Commit directly to the `main` branch.
- Create a new branch for this commit and start a pull request. Learn more about pull requests.

At the bottom are 'Commit changes' and 'Cancel' buttons.

Webhooks

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](#).

[Add webhook](#)

[Edit](#) [Delete](#)

URL	Event	Created	Action
https://api.testkuldeepwilliamdm...	(push)	2022-11-02 14:08:41	...

Webhooks / Manage webhook

[Settings](#) [Recent Deliveries](#)

Delivery ID	Event	Created	Action
7835243a-5aaaf-11ed-841b-0741fa2a685	push	2022-11-02 14:08:41	...
4e9aae10-5aaaf-11ed-8cee-98d5b9c765e1	ping (redelivery)	2022-11-02 14:08:02	...
4e9aae10-5aaaf-11ed-8cee-98d5b9c765e1	ping	2022-11-02 14:07:31	...

BuildConfig details

You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.

ci-cd

[Actions](#)

[Details](#) [YAML](#) [Builds](#) [Environment](#) [Events](#)

[Filter](#) [Name](#) [Search by name...](#)

Name	Status	Created
ci-cd-1	Complete	Nov 2, 2022, 1:54 PM
ci-cd-2	Running	Nov 2, 2022, 2:08 PM
ci-cd-3	New	Nov 2, 2022, 2:08 PM

BuildConfig details

You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.

ci-cd

[Actions](#)

[Details](#) [YAML](#) [Builds](#) [Environment](#) [Events](#)

[Filter](#) [Name](#) [Search by name...](#)

Name	Status
ci-cd-1	Complete
ci-cd-2	Complete
ci-cd-3	Complete

Project: auto

Builds > Build details

B ci-cd-3 Complete

Details Metrics YAML Environment Logs Events

Pipeline build strategy deprecation
With the release of OpenShift Pipelines based on Tekton, the pipelines build strategy has been deprecated. Users should either use Jenkins files directly on Jenkins with Openshift Pipelines. Try the OpenShift Pipelines tutorial.

Build details

Build false	Declarative: Chec...	Build App	Build Image
4 minutes ago View logs	3 minutes ago	3 minutes ago	2 minutes ago

Name: ci-cd-3 Status: Complete

BuildConfigs - Red Hat OpenShift | ci-cd-2 - Details - Red Hat OpenShift | sample-app-jenkins-new-auto.ap...

Not secure | sample-app-jenkins-new-auto.apps.testkuldeep.williamandmilly.com/hello

Hello World testing webhook jenkins

