

# Configuring Jenkins

## Instance Configuration

Jenkins URL:

The Jenkins URL is used to provide the root URL for absolute links to various Jenkins resources. That means this value is required for proper operation of many Jenkins features including email notifications, PR status updates, and the BUILD\_URL environment variable provided to build steps.

The proposed default value shown is **not saved yet** and is generated from the current request, if possible. The best practice is to set this value to the URL that users are expected to use. This will avoid confusion when sharing or viewing links.

Jenkins 2.303.3

Not now

Save and Finish

```
ubuntu@ip-172-31-11-176: ~  
ubuntu@ip-172-31-11-176: ~$ systemctl status jenkins.service  
Nov 13 13:40:36 ip-172-31-11-176 systemd[1]: Started LSB: Start Jenkins at boot  
ubuntu@ip-172-31-11-176: ~$ service jenkins status  
jenkins.service - LSB: Start Jenkins at boot time  
Loaded: loaded (/etc/init.d/jenkins; generated)  
Active: active (running) since Sat 2021-11-13 13:40:36 UTC; 3min 52s ago  
Docs: man:systemd-sysv-generator(8)  
Tasks: 0 (limit: 1154)  
Memory: 0B  
CGroup: /system.slice/jenkins.service  
Nov 13 13:40:35 ip-172-31-11-176 systemd[1]: Starting LSB: Start Jenkins at boot  
Nov 13 13:40:35 ip-172-31-11-176 jenkins[6072]: correct java version found  
Nov 13 13:40:35 ip-172-31-11-176 jenkins[6072]: * Starting Jenkins Automation  
Nov 13 13:40:35 ip-172-31-11-176 su[6105]: (to jenkins) root on none  
Nov 13 13:40:35 ip-172-31-11-176 su[6105]: pam_unix(su-l:session): session open  
Nov 13 13:40:35 ip-172-31-11-176 su[6105]: pam_unix(su-l:session): session close  
Nov 13 13:40:36 ip-172-31-11-176 jenkins[6072]: ...done.  
Nov 13 13:40:36 ip-172-31-11-176 systemd[1]: Started LSB: Start Jenkins at boot  
ubuntu@ip-172-31-11-176: ~$ sudo cat /var/lib/jenkins/secrets/initialAdminPassword  
ec867388ffdd44b9ad48d3042c73c2e1  
ubuntu@ip-172-31-11-176: ~$
```

Configured two  
slave nodes

S	Name	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
	jenkins-slave1		N/A	N/A	N/A	N/A	N/A
	jenkins-slave2		N/A	N/A	N/A	N/A	N/A
	master	Linux (amd64)	In sync	5.38 GB	0 B	5.38 GB	0ms
Data obtained			59 sec	59 sec	59 sec	59 sec	59 sec

Refresh status

REST API Jenkins 2.303.3

[illegible]

The screenshot displays two side-by-side browser windows, both showing the Jenkins web interface. The left window, titled 'TEST Server', has a URL bar showing '3.144.217.240:1234/website/'. A red arrow points to the port '1234' in the URL. The right window, titled 'Production Server', has a URL bar showing '3.144.169.12/website/'. A red arrow points to the port '80' in the URL. Both windows show a Jenkins page with a navigation bar (Home, Devops, IIIT, Contact) and a main content area with 'Hello' and 'jenkins is interesting'. The text 'Port specified during individual node configuration' is centered between the two windows.

Activities Xterminal-emulator 16:18

CICD (Aws Master-Slave) x +

3.15.144.105:8080/view/CICD (Aws Master-Slave)/

# Jenkins

Dashboard > CICD (Aws Master-Slave) >

## Build Pipeline: CICD

Run History Configure Add Step Delete Manage

Pipeline #15

#15 Test

Nov 14, 2021 10:45:59 AM

5.7 sec

sreehari

#8 production

Nov 14, 2021 10:46:10 AM

1.6 sec

Retrives commits on Github

Runs them on the test server(port 1234)

If no errors passes onto Production

```

ubuntu@ip-172-31-24-238: ~/jenkins/workspace
ubuntu@ip-172-31-11-176: ~ - 100x7

11 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

*** System restart required ***
Last login: Sun Nov 14 07:54:25 2021 from 103.226.144.45
ubuntu@ip-172-31-11-176: ~$

ubuntu@ip-172-31-24-238: ~ - 49x13
SCullistener status
INFO: Trying protocol: JNLP4-connect
Nov 14, 2021 8:17:23 AM org.jenkinsci.remoting.protocol.impl.BIONetworkLayer$Reader run
INFO: Waiting for ProtocolStack to start.
Nov 14, 2021 8:17:23 AM hudson.remoting.jnlp.Main
SCullistener status
INFO: Remote identity confirmed: 11:4e:41:87:42:e
e:de:a4:72:61:21:fe:ba:1b:34:81
Nov 14, 2021 8:17:24 AM hudson.remoting.jnlp.Main
SCullistener status
INFO: Connected

ubuntu@ip-172-31-24-238: ~/jenkins/workspace 49x11
ubuntu@ip-172-31-24-238: ~/jenkins/workspace$ ls
test
ubuntu@ip-172-31-24-238: ~/jenkins/workspace$

ubuntu@ip-172-31-26-159: ~ - 49x13
SCullistener status
INFO: Trying protocol: JNLP4-connect
Nov 14, 2021 8:17:33 AM org.jenkinsci.remoting.protocol.impl.BIONetworkLayer$Reader run
INFO: Waiting for ProtocolStack to start.
Nov 14, 2021 8:17:33 AM hudson.remoting.jnlp.Main
SCullistener status
INFO: Remote identity confirmed: 11:4e:41:87:42:e
e:de:a4:72:61:21:fe:ba:1b:34:81
Nov 14, 2021 8:17:34 AM hudson.remoting.jnlp.Main
SCullistener status
INFO: Connected

ubuntu@ip-172-31-26-159: ~/jenkins/workspace 49x11
ubuntu@ip-172-31-26-159: ~/jenkins/workspace$ ls
production
ubuntu@ip-172-31-26-159: ~/jenkins/workspace$

```

Production server (port : 80)

gets the changes from test if no issues occur

REST API Jenkins 2.303.3

Activities Firefox Web Browser 16:44

Webhook - http://3.15.144.x

https://github.com/sreeharipremkumar/dev\_jenkins/settings/hooks/328399677

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Options

Manage access

Security & analysis

Branches

Webhooks

Notifications

Integrations

Deploy keys

Actions

Environments

Secrets

Pages

Moderation settings

## Webhooks / Manage webhook

Settings Recent Deliveries

We'll send a POST request to the URL below with details of any subscribed events. You can also specify which data format you'd like to receive (JSON, x-www-form-urlencoded, etc). More information can be found in our [developer documentation](#).

**Payload URL \***

http://3.15.144.105:8080/github-webhook/

**Content type**

application/x-www-form-urlencoded

**Secret**

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

Webhook is used to retrieve Github commits on Jenkins

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