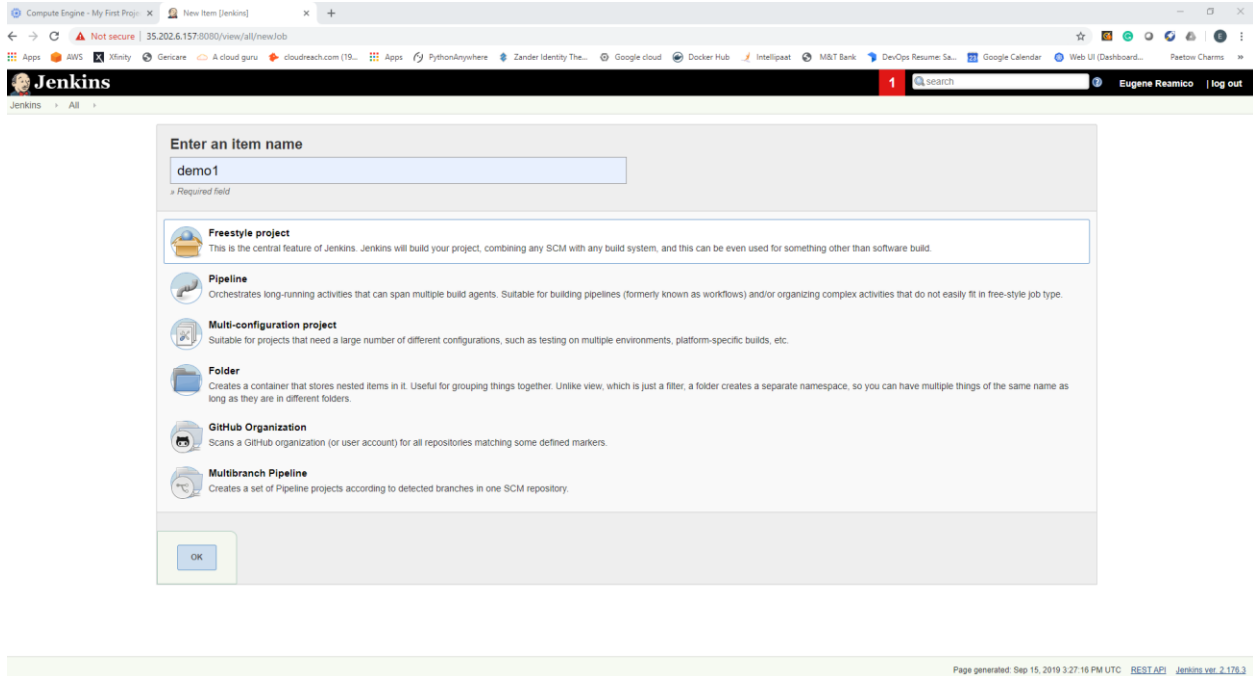


Creation of a freestyle job in Jenkins

1. New item -> Freestyle project



The screenshot shows the Jenkins 'New Item' page. At the top, there's a browser tab for 'New Item [Jenkins]' and a URL bar showing '35.202.6.157:8080/view/all/newJob'. The Jenkins header is visible with the logo and a search bar. The main form has a section 'Enter an item name' with a text input field containing 'demo1' and a 'Required field' message. Below this, there's a list of project types: 'Freestyle project' (selected), 'Pipeline', 'Multi-configuration project', 'Folder', 'GitHub Organization', and 'Multibranch Pipeline'. Each option has a brief description. At the bottom of the form is an 'OK' button. The footer of the page indicates 'Page generated: Sep 15, 2019 3:27:16 PM UTC' and provides links for 'REST API' and 'Jenkins ver. 2.176.3'.

Compute Engine - My First Proj... x New Item [Jenkins] x +

35.202.6.157:8080/view/all/newJob

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Jenkins 1 search Eugene Reamico | log out

Jenkins > All >

Enter an item name

demo1

> 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.

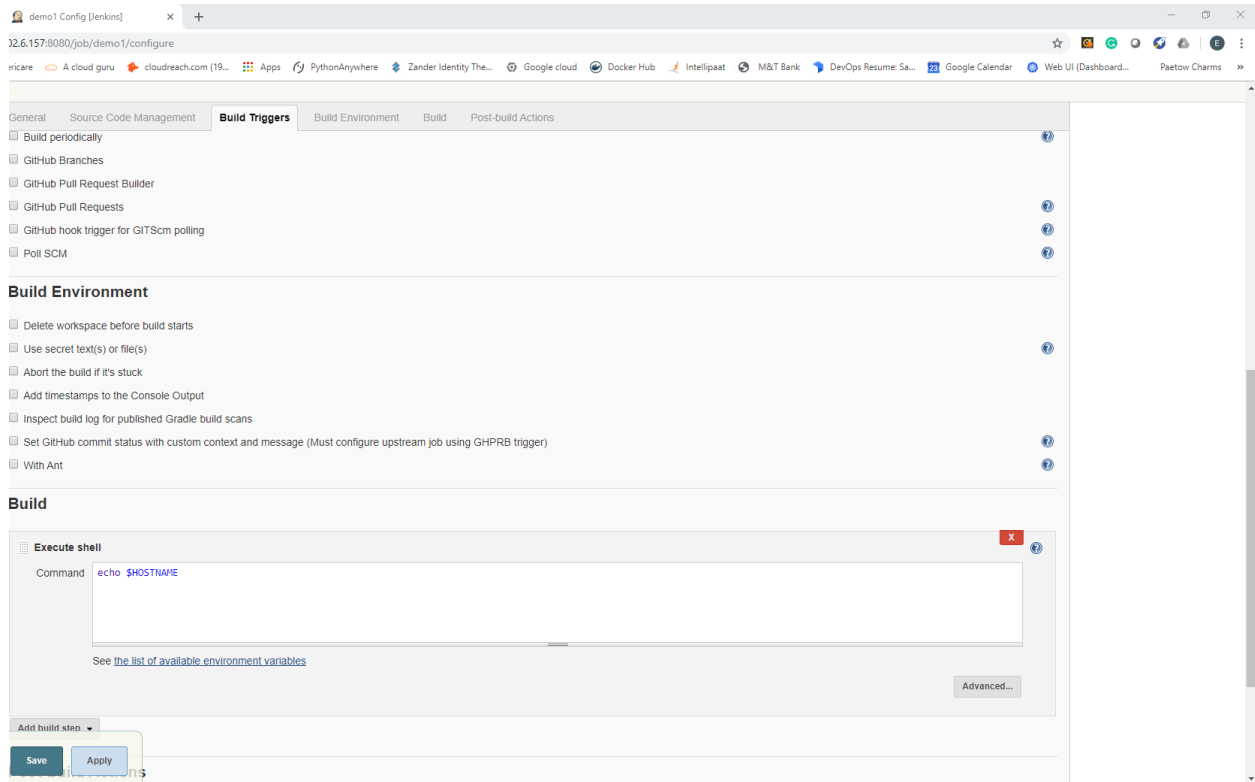
GitHub Organization
Scans a GitHub organization (or user account) for all repositories matching some defined markers.

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

OK

Page generated: Sep 15, 2019 3:27:16 PM UTC [REST API](#) [Jenkins ver. 2.176.3](#)

2. This uses a shell command to run a freestyle job



3. Run build and output will demonstrate a successful build of a freestyle project.

The screenshot displays the Jenkins web interface in a browser. The top navigation bar includes the Jenkins logo, a search bar, and the user name 'Eugene Reamico' with a 'log out' link. The main content area is titled 'demo1 #1 Console [Jenkins]' and shows the 'Console Output' for a build. The output text is as follows:

```
Started by user Eugene.Reamico
Running as SYSTEM
Building on master in workspace /var/11b/jenkins/workspace/demo1
[demo1] $ /bin/sh -xe /tmp/jenkins4903190034562699715.sh
+ echo jenkinsmaster
jenkinsmaster
Finished: SUCCESS
```

On the left sidebar, there are links for 'Back to Project', 'Status', 'Changes', 'Console Output', 'View as plain text', 'Edit Build Information', and 'Delete build #1'. The bottom of the page shows a footer with the text 'Page generated: Sep 15, 2019 3:31:34 PM UTC', a 'REST API' link, and 'Jenkins ver. 2.176.3'.

4. This screenshot shows a running script from the freestyle job from the CLI.

```

root@jenkinsmaster:~/sysconfig - Google Chrome
ssh.cloud.google.com/projects/hurimg-agent-243115/zones/us-central1-a/instances/jenkinsmaster?authuser=0&hl=en_US&projectNumber=706001678955
-rw-r--r--. 1 root root 798 Oct 30 2018 init
-rw-----. 1 root root 2393 Nov 4 2018 ip6tables-config
-rw-----. 1 root root 2374 Nov 4 2018 iptables-config
-rw-----. 1 root root 3116 Aug 28 14:41 jenkins
-rw-r--r--. 1 root root 180 Sep 5 22:52 kernel
-rw-r--r--. 1 root root 200 Oct 30 2018 man-db
drwxr-xr-x. 2 root root 6 Oct 30 2018 modules
-rw-r--r--. 1 root root 634 Oct 30 2018 netconsole
-rw-r--r--. 1 root root 22 Sep 5 22:54 network
drwxr-xr-x. 2 root root 4096 Sep 5 22:54 network-scripts
-rw-r--r--. 1 root root 45 Apr 10 2018 ntpd
-rw-r--r--. 1 root root 111 Apr 10 2018 ntpdate
-rw-r--r--. 1 root root 911 Oct 30 2018 qemu-ga
-rw-r--r--. 1 root root 15 Aug 4 2017 rdisc
-rw-r--r--. 1 root root 905 Oct 30 2018 readonly-root
-rw-r--r--. 1 root root 12 Apr 25 17:17 rsyncd
-rw-r--r--. 1 root root 196 Oct 30 2018 rsyslog
-rw-r--r--. 1 root root 0 Jun 9 2014 run-parts
lrwxrwxrwx. 1 root root 17 Sep 5 22:50 selinux -> ../selinux/config
-rw-r--r--. 1 root root 506 Apr 11 2018 sshd
-rw-r--r--. 1 root root 610 Oct 30 2018 wpa_supplicant
[root@jenkinsmaster sysconfig]# pwd
/etc/sysconfig
[root@jenkinsmaster sysconfig]# vi jenkins
[root@jenkinsmaster sysconfig]# ssh jenkins@10.128.15.194
ssh: connect to host 10.128.15.194 port 22: Connection refused
[root@jenkinsmaster sysconfig]# ssh jenkins@10.128.15.194
The authenticity of host '10.128.15.194 (10.128.15.194)' can't be establish
ed.
ECDSA key fingerprint is SHA256:wL0QoiZCOvtMFZskGPwlejlc7TqU3V9e+75R+jx2mFM
.
ECDSA key fingerprint is MD5:e7:56:59:98:25:72:a1:l3:0c:57:1f:4c:5b:b2:2e:a
d.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '10.128.15.194' (ECDSA) to the list of known hos
ts.
jenkins@10.128.15.194's password:
[jenkins@jenkinslave ~]$ exit
logout
Connection to 10.128.15.194 closed.
[root@jenkinsmaster sysconfig]# echo $HOSTNAME
jenkinsmaster
[root@jenkinsmaster sysconfig]#

```

5. To run this job on the slave machine. Project demo1 -> configure -> restrict where to run job.

The screenshot shows the Jenkins configuration page for a job named 'demo1'. The browser address bar indicates the URL is `202.6.157.8080/job/demo1/configure`. The page has a top navigation bar with a search bar and a 'log out' button. Below the navigation bar, there are tabs for 'General', 'Source Code Management', 'Build Triggers', 'Build Environment', 'Build', and 'Post-build Actions'. The 'General' tab is active, showing a 'Description' field, a list of checkboxes for various build options, and a 'Label Expression' field set to 'slave_1'. A warning message states: 'There's no agent/cloud that matches this assignment. Did you mean 'slave1' instead of 'sla'?'. Below the 'General' tab, the 'Source Code Management' section shows 'None' selected, and the 'Build Triggers' section shows 'Save' and 'Apply' buttons. The 'Apply' button is highlighted with a tooltip that says '(e.g., from scripts)'. The 'Save' button is highlighted with a tooltip that says 'Jobs are built'.

demo1 Config [Jenkins]

202.6.157.8080/job/demo1/configure

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1 search Eugene Reamico log out

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

Description

[Plain text] Preview

☐ Discard old builds

☐ GitHub project

☐ This build requires lockable resources

☐ This project is parameterized

☐ Throttle builds

☐ Disable this project

☐ Execute concurrent builds if necessary

☒ Restrict where this project can be run

Label Expression slave_1

⚠ There's no agent/cloud that matches this assignment. Did you mean 'slave1' instead of 'sla'?

Advanced...

Source Code Management

☒ None

☐ Git

☐ Subversion

Build Triggers

Save Apply (e.g., from scripts)

Jobs are built

6. This screenshot demonstrates a running #2 job in slave machine and output.

The screenshot shows the Jenkins web interface for a project named 'demo1'. The left sidebar contains navigation links: Back to Dashboard, Status, Changes, Workspace, Build Now, Delete Project, Configure, and Rename. The main content area is titled 'Project demo1' and includes links for 'Workspace', 'Recent Changes', and 'Permalinks'. The 'Build History' section shows a table with two builds, both dated 'Sep 15, 2019 3:49 PM' and 'Sep 15, 2019 3:31 PM'. The 'Permalinks' section lists four links: 'Last build (#1) - 17 min ago', 'Last stable build (#1) - 17 min ago', 'Last successful build (#1) - 17 min ago', and 'Last completed build (#1) - 17 min ago'. The bottom status bar indicates the page was generated on 'Sep 15, 2019 3:48:47 PM UTC' and shows the Jenkins version as '2.176.3'.

The screenshot shows the Jenkins web interface for the 'demo1 #2 Console' page. The left sidebar includes links: Back to Project, Status, Changes, Console Output, View as plain text, Edit Build Information, Delete build '#2', and Previous Build. The main content area is titled 'Console Output' and displays the following text: 'Started by user Eugene Reamico', 'Running as SVSSTH', 'Building remotely on slave1 (slave 1) in workspace /home/jenkins/workspace/demo1', '[demo1] \$ /bin/sh -xe /tmp/jenkins423729856283446638.sh', '+ echo jenkinslave', 'jenkinslave', and 'Finished: SUCCESS'. The bottom status bar indicates the page was generated on 'Sep 15, 2019 3:50:05 PM UTC' and shows the Jenkins version as '2.176.3'.

