```
Defaults    env_keep += "LC_COLLATE LC_IDENTIFICATION LC_MEASUREMENT LC_MESSAGES"
Defaults    env_keep += "LC_MONETARY LC_NAME LC_NUMERIC LC_PAPER LC_TELEPHONE"
Defaults    env_keep += "LC_TIME LC_ALL LANGUAGE LINGUAS _XKB_CHARSET XAUTHORITY"

#
# Adding HOME to env_keep may enable a user to run unrestricted
# commands via sudo.
#
# Defaults   env_keep += "HOME"

Defaults    secure_path = /sbin:/bin:/usr/sbin:/usr/bin

## Next comes the main part: which users can run what software on
## which machines (the sudoers file can be shared between multiple
## systems).
## Syntax:
##
##      user    MACHINE=COMMANDS
##
## The COMMANDS section may have other options added to it.
##
## Allow root to run any commands anywhere
root    ALL=(ALL)       ALL
jenkins  ALL=(ALL)  NOPASSWD:ALL
## Allows members of the 'sys' group to run networking, software,
## service management apps and more.
# %sys ALL = NETWORKING, SOFTWARE, SERVICES, STORAGE, DELEGATING, PROCESSES, LOCATE, DRIVERS

## Allows people in group wheel to run all commands
%wheel  ALL=(ALL)       ALL

## Same thing without a password
# %wheel        ALL=(ALL)       NOPASSWD: ALL

## Allows members of the users group to mount and unmount the
## cdrom as root
-- INSERT --
```
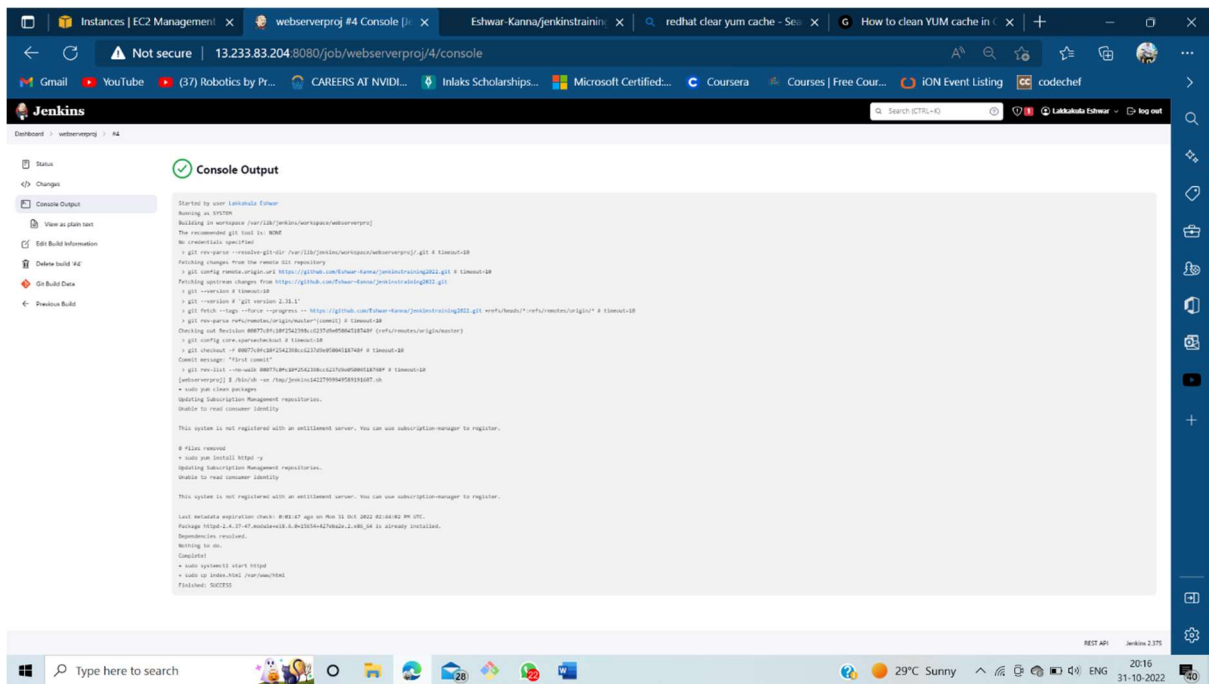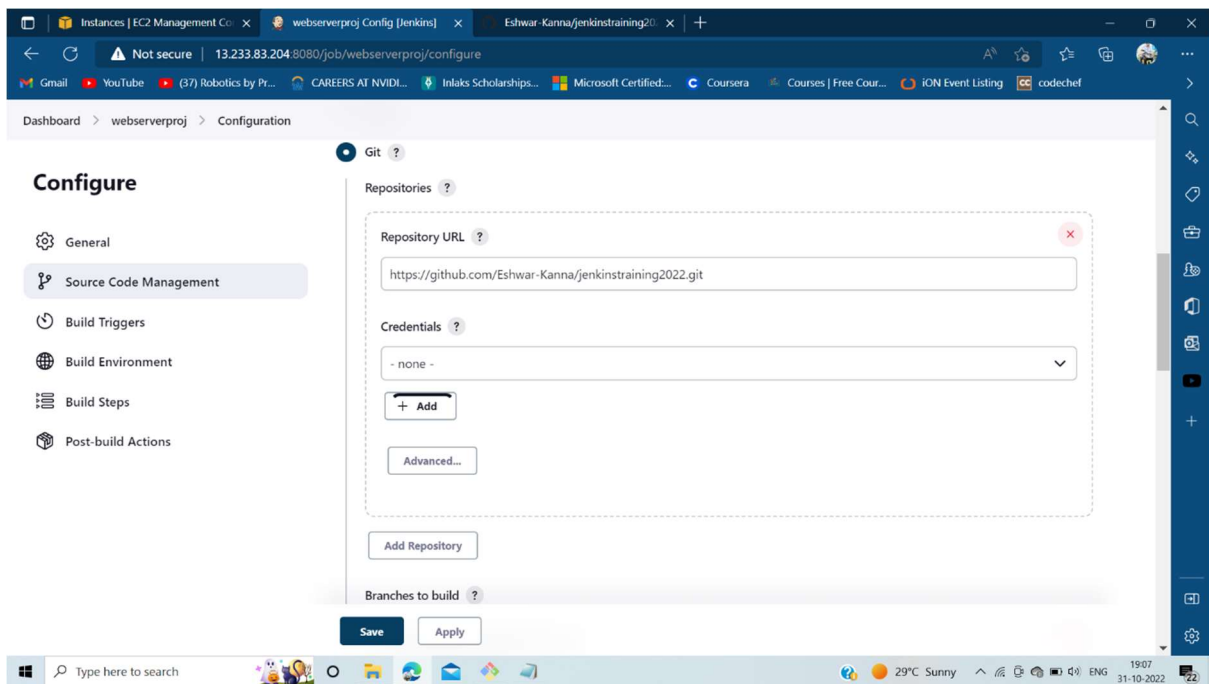
```
[root@ip-172-31-37-231 ~]# useradd jenkins
useradd: user 'jenkins' already exists
[root@ip-172-31-37-231 ~]# sudo su jenkins
[root@ip-172-31-37-231 ~]# echo $?
1
[root@ip-172-31-37-231 ~]# vi /etc/sudoers
[root@ip-172-31-37-231 ~]# vi /etc/sudoers
[root@ip-172-31-37-231 ~]#
```

Dashboard > webserverproj > Configuration

Configure

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

● Git ?

Repositories ?

Repository URL ?   ✕

https://github.com/Eshwar-Kanna/jenkinstraining2022.git

Credentials ?

- none -   ⌄

+ Add

Advanced...

Add Repository

Branches to build ?

Save   Apply

Jenkins

Search (CTRL+K)   Lakkakula Eshwar ⌄   log out

Dashboard > webserverproj > #4

- Status
- Changes
- Console Output
- View as plain text
- Edit Build Information
- Delete build '#4'
- Git Build Data
- Previous Build

✓ Console Output

```
Started by user Lakkakula Eshwar
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/webserverproj
The recommended git tool is: NONE
No credentials specified
 > git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/webserverproj/.git # timeout=10
Fetching changes from the remote Git repository
 > git config remote.origin.url https://github.com/Eshwar-Kanna/jenkinstraining2022.git # timeout=10
Fetching upstream changes from https://github.com/Eshwar-Kanna/jenkinstraining2022.git
 > git --version # timeout=10
 > git --version # 'git version 2.31.1'
 > git fetch --tags --force --progress -- https://github.com/Eshwar-Kanna/jenkinstraining2022.git +refs/heads/*:refs/remotes/origin/* # timeout=10
 > git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 00077c9fc18f2542398cc6237d5e05004518748f (refs/remotes/origin/master)
 > git config core.sparsecheckout # timeout=10
 > git checkout -f 00077c9fc18f2542398cc6237d5e05004518748f # timeout=10
Commit message: "first commit"
 > git rev-list --no-walk 00077c9fc18f2542398cc6237d5e05004518748f # timeout=10
[webserverproj] $ /bin/sh -xe /tmp/jenkins14212795954958191687.sh
+ sudo yum clean packages
Updating Subscription Management repositories.
Unable to read consumer identity

This system is not registered with an entitlement server. You can use subscription-manager to register.

0 files removed
+ sudo yum install httpd -y
Updating Subscription Management repositories.
Unable to read consumer identity

This system is not registered with an entitlement server. You can use subscription-manager to register.

Last metadata expiration check: 0:01:47 ago on Mon 31 Oct 2022 02:44:02 PM UTC.
Package httpd-2.4.37-47.module+el8.6.0+15654+427b8a2e.2.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
+ sudo systemctl start httpd
+ sudo cp index.html /var/www/html
Finished: SUCCESS
```

REST API   Jenkins 2.375

```
 Running scriptlet: httpd-2.4.37-47.module+el8.6.0+15654+427eba2e.2.x86_64                10/10
  Verifying        : apr-util-openssl-1.6.1-6.el8.x86_64                                   1/10
  Verifying        : apr-util-bdb-1.6.1-6.el8.x86_64                                       2/10
  Verifying        : apr-util-1.6.1-6.el8.x86_64                                           3/10
  Verifying        : apr-1.6.3-12.el8.x86_64                                               4/10
  Verifying        : mod_http2-1.15.7-5.module+el8.6.0+13996+01710940.x86_64               5/10
  Verifying        : httpd-tools-2.4.37-47.module+el8.6.0+15654+427eba2e.2.x86_64          6/10
  Verifying        : httpd-2.4.37-47.module+el8.6.0+15654+427eba2e.2.x86_64                7/10
  Verifying        : httpd-filesystem-2.4.37-47.module+el8.6.0+15654+427eba2e.2.noarch     8/10
  Verifying        : mailcap-2.1.48-3.el8.noarch                                           9/10
  Verifying        : redhat-logos-httpd-84.5-1.el8.noarch                                  10/10
Installed products updated.

Installed:
  apr-1.6.3-12.el8.x86_64
  apr-util-1.6.1-6.el8.x86_64
  apr-util-bdb-1.6.1-6.el8.x86_64
  apr-util-openssl-1.6.1-6.el8.x86_64
  httpd-2.4.37-47.module+el8.6.0+15654+427eba2e.2.x86_64
  httpd-filesystem-2.4.37-47.module+el8.6.0+15654+427eba2e.2.noarch
  httpd-tools-2.4.37-47.module+el8.6.0+15654+427eba2e.2.x86_64
  mailcap-2.1.48-3.el8.noarch
  mod_http2-1.15.7-5.module+el8.6.0+13996+01710940.x86_64
  redhat-logos-httpd-84.5-1.el8.noarch

Complete!
[root@ip-172-31-37-231 ~]#
[root@ip-172-31-37-231 ~]# cd /var/www/html/
[root@ip-172-31-37-231 html]# ls
index.html
[root@ip-172-31-37-231 html]#
```

Not secure | 13.233.83.204/index.html

=> git init firstproject => cd firstproject => notepad index.html

welcome to the world of jenkins

=> git add index.html => git commit index.html -m " initial commit" -------------------- INTEGRATING JENKINS AND GITHUB -------------------- create a repository (jenkinstraining) go to that repository USE COMMANDS TO CLONE : git init git clone https://github.com/Eshwar-Kanna/jenkinstraining2022.git git branch -M main git remote add origin https://github.com/Eshwar-Kanna/sample.git git push -u origin main In Jenkins instance When we run the commands from shell it bydefault runs with Jenkins user which does not have all access permissions bydefault to provide permissions 1 connect to the instance 2 sudo su - root 3 vi /etc/sudoers jenkins ALL = (ALL) NOPASSWD:ALL 4 systemctl restart jenkins 5 yum install git -y In Jenkins create NEW PROJECT (githubproj) in SCM : https://github.com/Eshwar-Kanna/jenkinstraining2022.git

```
ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.O/Devops/jenkins/02-webserverproj
$ ls
index.html  jenkinstraining2022/

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.O/Devops/jenkins/02-webserverproj
$ cd jenkinstraining2022/

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.O/Devops/jenkins/02-webserverproj/jenkinstraining2022 (master)
$ cd ..

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.O/Devops/jenkins/02-webserverproj
$ git init
Initialized empty Git repository in C:/Users/ESHWAR/ARTH_2.O/Devops/jenkins/02-webserverproj/.git/

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.O/Devops/jenkins/02-webserverproj (master)
$ ls
index.html  jenkinstraining2022/

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.O/Devops/jenkins/02-webserverproj (master)
$ git add index.html

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.O/Devops/jenkins/02-webserverproj (master)
$ git commit -m "commit after trigger"
[master (root-commit) 9018142] commit after trigger
 1 file changed, 17 insertions(+)
 create mode 100644 index.html

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.O/Devops/jenkins/02-webserverproj (master)
$ git push
```

29°C Sunny ENG 20:20 31-10-2022

Not secure | 13.233.83.204:8080/job/webserverproj/

Dashboard > webserverproj >

Project webserverproj

- Status
- Changes
- Workspace
- Build Now
- Configure
- Delete Project
- Rename

✏ Add description

Disable Project

Permalinks

- Last build (#5), 8 min 8 sec ago
- Last stable build (#5), 8 min 8 sec ago
- Last successful build (#5), 8 min 8 sec ago
- Last failed build (#3), 1 hr 1 min ago
- Last unsuccessful build (#3), 1 hr 1 min ago
- Last completed build (#5), 8 min 8 sec ago

Build History   trend ∨

🔍 Filter builds...

✓ #5	Oct 31, 2022, 2:57 PM	
✓ #4	Oct 31, 2022, 2:45 PM	
✗ #3	Oct 31, 2022, 2:04 PM	
✗ #2	Oct 31, 2022, 1:55 PM	
✗ #1	Oct 31, 2022, 1:54 PM	

13.233.83.204:8080/job/webserverproj/configure

29°C Sunny ENG 20:35 31-10-2022

Dashboard > webserverproj > Configuration

Configure

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

Build Triggers

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

☐ Build after other projects are built ?

☑ Build periodically ?

Schedule ?

```
H/2 * * * *
```

Would last have run at Monday, October 31, 2022 at 3:04:51 PM Coordinated Universal Time; would next run at Monday, October 31, 2022 at 3:06:51 PM Coordinated Universal Time.

☐ GitHub hook trigger for GITScm polling ?

☐ Poll SCM ?

Save   Apply

Dashboard > webserverproj >

- Status
- Changes
- Workspace
- Build Now
- Configure
- Delete Project
- Rename

Project webserverproj

✎ Add description

Disable Project

Permalinks

- Last build (#5), 8 min 49 sec ago
- Last stable build (#5), 8 min 49 sec ago
- Last successful build (#5), 8 min 49 sec ago
- Last failed build (#3), 1 hr 1 min ago
- Last unsuccessful build (#3), 1 hr 1 min ago
- Last completed build (#5), 8 min 49 sec ago

Build History   trend ⌄

Filter builds...

✓ #6   Oct 31, 2022, 3:06 PM

✓ #5   Oct 31, 2022, 2:57 PM

✓ #4   Oct 31, 2022, 2:45 PM

#3   Oct 31, 2022, 3:04 PM

```
ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops
$ cd jenkins/

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins
$ ls
00-jenkinsconfig/  000-installation/  01-firstproject/  02-webserverproj/

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins
$ cd 02-webserverproj/

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins/02-webserverproj (main)
$ ls -al
total 13
drwxr-xr-x 1 ESHWAR 197609   0 Oct 31 20:19 ./
drwxr-xr-x 1 ESHWAR 197609   0 Oct 31 19:03 ../
drwxr-xr-x 1 ESHWAR 197609   0 Oct 31 20:26 .git/
-rw-r--r-- 1 ESHWAR 197609 563 Oct 31 19:23 index.html
drwxr-xr-x 1 ESHWAR 197609   0 Oct 31 20:19 jenkinstraining2022/

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins/02-webserverproj (main)
$ cd .git/

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins/02-webserverproj/.git (GIT_DIR!)
$ ls
COMMIT_EDITMSG  HEAD  config  description  hooks/  index  info/  logs/  objects/  refs/

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins/02-webserverproj/.git (GIT_DIR!)
$ cd hooks/

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins/02-webserverproj/.git/hooks (GIT_DIR!)
$ ls
applypatch-msg.sample*     post-update.sample*     pre-merge-commit.sample*  pre-receive.sample*       update.sample*
commit-msg.sample*         pre-applypatch.sample*  pre-push.sample*          prepare-commit-msg.sample*
fsmonitor-watchman.sample* pre-commit.sample*      pre-rebase.sample*        push-to-checkout.sample*

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins/02-webserverproj/.git/hooks (GIT_DIR!)
$
```

```
#!/bin/bash
git push
echo "pushed automatically"
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
post-commit[+] [unix] (05:29 01/01/1970)                                    3,28 All
-- INSERT --
```

```
drwxr-xr-x 1 ESHWAR 197609   0 Oct 31 20:26 .git/
-rw-r--r-- 1 ESHWAR 197609 563 Oct 31 19:23 index.html
drwxr-xr-x 1 ESHWAR 197609   0 Oct 31 20:19 jenkinstraining2022/

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins/02-webserverproj (main)
$ cd .git/

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins/02-webserverproj/.git (GIT_DIR!)
$ ls
COMMIT_EDITMSG  HEAD  config  description  hooks/  index  info/  logs/  objects/  refs/

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins/02-webserverproj/.git (GIT_DIR!)
$ cd hooks/

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins/02-webserverproj/.git/hooks (GIT_DIR!)
$ ls
applypatch-msg.sample*      post-update.sample*      pre-merge-commit.sample*   pre-receive.sample*      update.sample*
commit-msg.sample*          pre-applypatch.sample*   pre-push.sample*           prepare-commit-msg.sample*
fsmonitor-watchman.sample*  pre-commit.sample*       pre-rebase.sample*         push-to-checkout.sample*

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins/02-webserverproj/.git/hooks (GIT_DIR!)
$ vim post-commit

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins/02-webserverproj/.git/hooks (GIT_DIR!)
$ ls
applypatch-msg.sample*      post-commit*          pre-commit.sample*      pre-rebase.sample*         push-to-checkout.sample*
commit-msg.sample*          post-update.sample*   pre-merge-commit.sample* pre-receive.sample*       update.sample*
fsmonitor-watchman.sample*  pre-applypatch.sample* pre-push.sample*        prepare-commit-msg.sample*

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins/02-webserverproj/.git/hooks (GIT_DIR!)
$ cd ..

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins/02-webserverproj/.git (GIT_DIR!)
$ cd ..

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins/02-webserverproj (main)
$
```

```
$ git commit -m "poll scm1"
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 302 bytes | 302.00 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/Eshwar-Kanna/jenkinstraining2022.git
   6c38d82..fbade0f  main -> main
pushed automatically
[main fbade0f] poll scm1
 1 file changed, 3 insertions(+), 1 deletion(-)

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins/02-webserverproj (main)
$ notepad index.html

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins/02-webserverproj (main)
$ git add index.html

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins/02-webserverproj (main)
$ git commit -m "poll scm"
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 276 bytes | 276.00 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/Eshwar-Kanna/jenkinstraining2022.git
   fbade0f..ab8c500  main -> main
pushed automatically
[main ab8c500] poll scm
 1 file changed, 1 insertion(+), 1 deletion(-)

ESHWAR@LAPTOP-87A306J3 MINGW64 ~/ARTH_2.0/Devops/jenkins/02-webserverproj (main)
$
```

Instances | EC2 Management Co... ×   webserverproj [Jenkins] ×   Eshwar-Kanna/jenkinstraining2... ×   13.233.83.204/index.html ×   +

Not secure   13.127.54.134:8080/job/webserverproj/

Gmail   YouTube   (37) Robotics by Pr...   CAREERS AT NVIDI...   Inlaks Scholarships...   Microsoft Certified:...   Coursera   Courses | Free Cour...   iON Event Listing   codechef

Dashboard > webserverproj >

Permalinks

- Last build (#7), 35 min ago
- Last stable build (#7), 35 min ago
- Last successful build (#7), 35 min ago
- Last failed build (#3), 2 hr 20 min ago
- Last unsuccessful build (#3), 2 hr 20 min ago
- Last completed build (#7), 35 min ago

Configure

Delete Project

Git Polling Log

Rename

Build History   trend ∨

Filter builds...   /

⊘ #7   Oct 31, 2022, 3:49 PM
⊘ #5   Oct 31, 2022, 2:57 PM
⊘ #4   Oct 31, 2022, 2:45 PM
⊗ #3   Oct 31, 2022, 2:04 PM
⊗ #2   Oct 31, 2022, 1:55 PM
⊗ #1   Oct 31, 2022, 1:54 PM

Atom feed for all   Atom feed for failures

REST API   Jenkins 2.375

43.205.233.226 ×   Eshwar-Kanna/jenkinstraining2... ×   webserverproj Config [Jenkins] ×   New tab ×   +

Not secure   43.205.233.226:8080/job/webserverproj/configure

Gmail   YouTube   (37) Robotics by Pr...   CAREERS AT NVIDI...   Inlaks Scholarships...   Microsoft Certified:...   Coursera   Courses | Free Cour...   iON Event Listing   codechef

Dashboard > webserverproj > Configuration

Build Triggers

Configure

⚙ General

ᛘ Source Code Management

⏱ Build Triggers

🌐 Build Environment

☰ Build Steps

📦 Post-build Actions

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

☐ Build after other projects are built ?

☐ Build periodically ?

☐ GitHub hook trigger for GITScm polling ?

☑ Poll SCM ?

   Schedule ?

   ```
   * * * * *
   ```

   ⚠ Do you really mean "every minute" when you say "* * * * *"? Perhaps you meant "H * * * *" to poll once per hour
   Would last have run at Tuesday, November 1, 2022 at 5:55:17 AM Coordinated Universal Time; would next run at Tuesday, November 1, 2022 at 5:55:17 AM Coordinated Universal Time.

   ☐ Ignore post-commit hooks ?

Save   Apply

Dashboard > webserverproj >

Status

</> Changes

Workspace

▷ Build Now

⚙ Configure

🗑 Delete Project

Git Polling Log

✎ Rename

Build History   trend ⌄

🔍 Filter builds...   /

✓ **#9**   Nov 1, 2022, 5:44 AM

✓ **#7**   Oct 31, 2022, 3:49 PM

✓ **#5**   Oct 31, 2022, 2:57 PM

✓ **#4**   Oct 31, 2022, 2:45 PM

Project webserverproj

✎ Add description

Disable Project

Permalinks

- Last build (#9), 11 min ago
- Last stable build (#9), 11 min ago
- Last successful build (#9), 11 min ago
- Last failed build (#3), 15 hr ago
- Last unsuccessful build (#3), 15 hr ago
- Last completed build (#9), 11 min ago

Type here to search   Rain coming   ENG 11:26 01-11-2022