

빌드 후 조치

Build other projects

Projects to build

- ☒ Trigger only if build is stable
- ☐ Trigger even if the build is unstable
- ☐ Trigger even if the build fails

빌드 후 조치 추가 ▾

Build 후 compile-build 실행 옵션 설정 및 github에서 webhook설정

Webhooks / Add webhook

We'll send a POST request to the URL below with details of format you'd like to receive (JSON, x-www-form-urlencoded, [documentation](#)).

Payload URL *

Content type

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.

doyun0916 / github_demo

Unwatch 1 Star 0 Fork 0

<> Code Issues 0 Pull requests 0 Actions Projects 0 Wiki Security 0 Insights Settings

Options

Manage access

Branches

Webhooks

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://3.21.40.189:8080/github-webhook/> (push)


Edit Delete

Jenkins Pipeline

BUILD 후 조치 설정

B411001 강도연

Branch: master ▼ github_demo / hello.c

 doyun0916 Update hello.c

1 contributor

5 lines (5 sloc) | 93 Bytes

```

1  #include <stdio.h>
2  int main() {
3      printf("<h1> After setting webhook</h1>\n");
4      return 0;
5  }

```

Trigger 되어진 compile-build

hello.c의 내용을 바꿔봄

콘솔 출력

```

Started by GitHub push by doyun0916
Running as SYSTEM
Building remotely on build in workspace /home/ubuntu/jenkins/workspace/pull-codes
No credentials specified
> git rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/doyun0916/github_demo.git # timeout=10
Fetching upstream changes from https://github.com/doyun0916/github_demo.git
> git --version # timeout=10
> git fetch --tags --progress -- https://github.com/doyun0916/github_demo.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
> git rev-parse refs/remotes/origin/origin/master^{commit} # timeout=10
Checking out Revision cbb4ec4ae648f841c0179615af2e1abc0076cd7 (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f cbb4ec4ae648f841c0179615af2e1abc0076cd7 # timeout=10
Commit message: "Update hello.c"
> git rev-list --no-walk 41e3ff72a3d4343efd16fa102c099866f0e2899f # timeout=10
Triggering a new build of compile-build
Finished: SUCCESS

```

```

+ cd /home/ubuntu/jenkins/workspace/pull-codes
+ gcc hello.c
+ ./a.out
+ sudo docker ps -a -q
+ sudo docker rm -f 6314fc19f1e1 9d1af9434a9a 8fd8f3a499d3
6314fc19f1e1
9d1af9434a9a
8fd8f3a499d3
+ sudo docker build . -t mysite
Sending build context to Docker daemon 3.005MB

```

Step 1/6 : FROM ubuntu

---> 1d622ef86b13

Step 2/6 : ARG DEBIAN_FRONTEND=noninteractive

---> Using cache

---> 8ab3e21f9c89

Step 3/6 : RUN apt-get update

---> Using cache

---> 540338995d8f

Step 4/6 : RUN apt-get install -y apache2 && apt-get clean

---> Using cache

---> 81f0289b6879

Step 5/6 : ENTRYPOINT apachectl -D FOREGROUND

---> Using cache

---> 1088e7500f13

Step 6/6 : ADD ./index.html /var/www/html/

---> 9795784e6135

Successfully built 9795784e6135

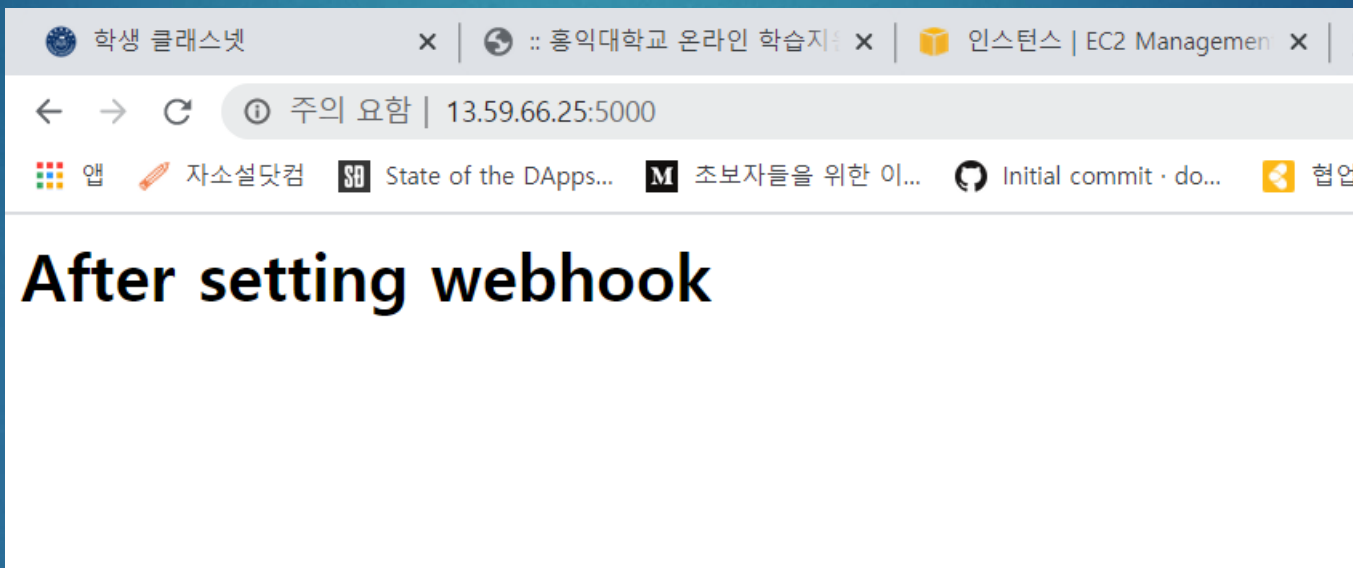
Successfully tagged mysite:latest

+ sudo docker run -itd -p 5000:80 mysite

2e608d1136f510f55e6659c88a46920f425b32f098b04058a085b86595389c1c

Finished: SUCCESS

결과 화면



Jenkins Pipeline 설정

Master

```
ubuntu@ip-172-31-27-130:~$ sudo apt update
```

```
ubuntu@ip-172-31-27-130:~$ sudo apt install openjdk-8-jdk
```

```
ubuntu@ip-172-31-27-130:~$ wget -q -O - https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo apt-key add -
```

```
root@ip-172-31-27-130:~# vim /etc/apt/sources.list
```

```
ubuntu@ip-172-31-27-130:~$ sudo apt-get update
```

```
root@ip-172-31-27-130:~# sudo apt-get install jenkins
```

```
ubuntu@ip-172-31-27-130:~$ sudo apt-get remove docker docker-engine dock
```

```
ubuntu@ip-172-31-27-130:~$ sudo apt-get update
```

```
ubuntu@ip-172-31-27-130:~$ sudo su -
root@ip-172-31-27-130:~# apt-get install \
> apt-transport-https \
> ca-certificates \
> curl \
> gnupg-agent \
> software-properties-common
```

```
root@ip-172-31-27-130:~# apt-get update
```

```
root@ip-172-31-27-130:~# curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -
```

```
OK
```

```
root@ip-172-31-27-130:~# apt-key fingerprint 0EBFCD88
```

```
pub   rsa4096 2017-02-22 [SCEA]
```

```
9DC8 5822 9FC7 DD38 854A E2D8 8D81 803C 0EBF CD88
```

```
uid           [ unknown] Docker Release (CE deb) <docker@docker.com>
```

```
sub   rsa4096 2017-02-22 [S]
```

```
root@ip-172-31-27-130:~# sudo add-apt-repository \
```

```
> "deb [arch=amd64] https://download.docker.com/linux/ubuntu \
```

```
> $(lsb_release -cs) \
```

```
> stable"
```

```
root@ip-172-31-27-130:~# sudo apt-get install docker-ce docker-ce-cli containerd.io
```

```
root@ip-172-31-27-130:~# apt-get install gcc
```

```
root@ip-172-31-27-130:~# apt-get install git
```

```
root@ip-172-31-27-130:~# systemctl status jenkins
● jenkins.service - LSB: Start Jenkins at boot time
   Loaded: loaded (/etc/init.d/jenkins; generated)
   Active: active (exited) since Tue 2020-06-02 08:56:55 UTC; 7min ago
     Docs: man:systemd-sysv-generator(8)
    Tasks: 0 (limit: 1152)
   CGroup: /system.slice/jenkins.service
```

```
root@ip-172-31-27-130:~# systemctl status docker
● docker.service - Docker Application Container Engine
   Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor preset: enabled)
   Active: active (running) since Tue 2020-06-02 09:02:28 UTC; 2min 29s
     Docs: https://docs.docker.com
    Main PID: 16241 (dockerd)
      Tasks: 8
     CGroup: /system.slice/docker.service
             └─16241 /usr/bin/dockerd -H fd:// --containerd=/run/containerd
```

```
root@ip-172-31-27-130:~# usermod -aG docker jenkins
```

```
root@ip-172-31-27-130:~# git init
```

```
root@ip-172-31-27-130:~# su - jenkins
```

```
jenkins@ip-172-31-27-130:~$ groupadd docker
```

```
root@ip-172-31-27-130:~# chown root:jenkins /var/run/docker.sock
```

```
root@ip-172-31-27-130:~# chown root:docker /var/run/docker.sock
```


Result

콘솔 출력

Started by user [Kang](#)
 Running in Durability level: MAX_SURVIVABILITY
 [Pipeline] Start of Pipeline
 [Pipeline] node
 Running on [Jenkins](#) in /var/lib/jenkins/workspace/demo
 [Pipeline] {
 [Pipeline] stage
 [Pipeline] { (git checkout)
 [Pipeline] git
 using credential demogit
 Cloning the remote Git repository
 Cloning repository https://github.com/doyun0916/github_demo.git
 > git init /var/lib/jenkins/workspace/demo # timeout=10
 Fetching upstream changes from https://github.com/doyun0916/github_demo.git
 > git --version # timeout=10
 using GIT_ASKPASS to set credentials demogit
 > git fetch --tags --progress -- https://github.com/doyun0916/github_demo.git +refs/heads/*:refs/heads/* # timeout=10
 > git config remote.origin.url https://github.com/doyun0916/github_demo.git # timeout=10
 > git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
 > git config remote.origin.url https://github.com/doyun0916/github_demo.git # timeout=10
 Fetching upstream changes from https://github.com/doyun0916/github_demo.git
 using GIT_ASKPASS to set credentials demogit

Pipeline

Definition Pipeline script

Script

```
1 node {
2   stage('git checkout'){
3     git credentialsId: 'demogit', url: 'https://github.com/doyun0916/github_demo.git'
4   }
5 }
```

```
ubuntu@ip-172-31-27-130:~$ cd /var/lib/jenkins/workspace/demo
ubuntu@ip-172-31-27-130:/var/lib/jenkins/workspace/demo$ ls -la
total 1520
drwxr-xr-x 3 jenkins jenkins 4096 Jun  2 09:30 .
drwxr-xr-x 4 jenkins jenkins 4096 Jun  2 09:30 ..
drwxr-xr-x 8 jenkins jenkins 4096 Jun  2 09:30 .git
-rw-r--r-- 1 jenkins jenkins 181 Jun  2 09:30 Dockerfile
-rw-r--r-- 1 jenkins jenkins 51 Jun  2 09:30 README.md
-rw-r--r-- 1 jenkins jenkins 1522802 Jun  2 09:30 agent.jar
-rw-r--r-- 1 jenkins jenkins 93 Jun  2 09:30 hello.c
-rw-r--r-- 1 jenkins jenkins 107 Jun  2 09:30 secondtest.txt
-rw-r--r-- 1 jenkins jenkins 777 Jun  2 09:30 slave-agent.jnlp
ubuntu@ip-172-31-27-130:/var/lib/jenkins/workspace/demo$
```