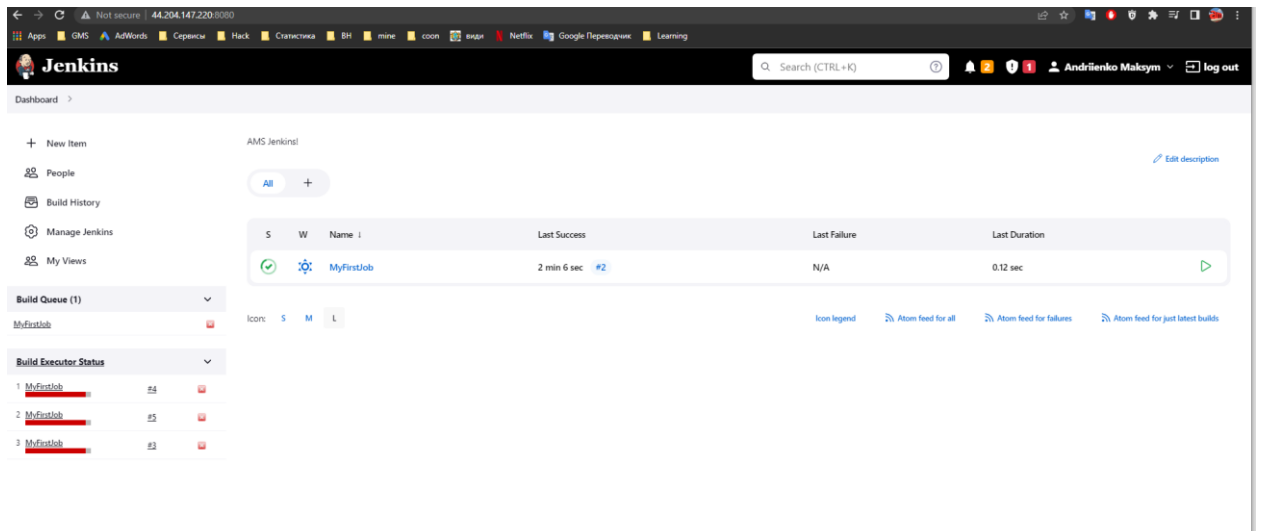
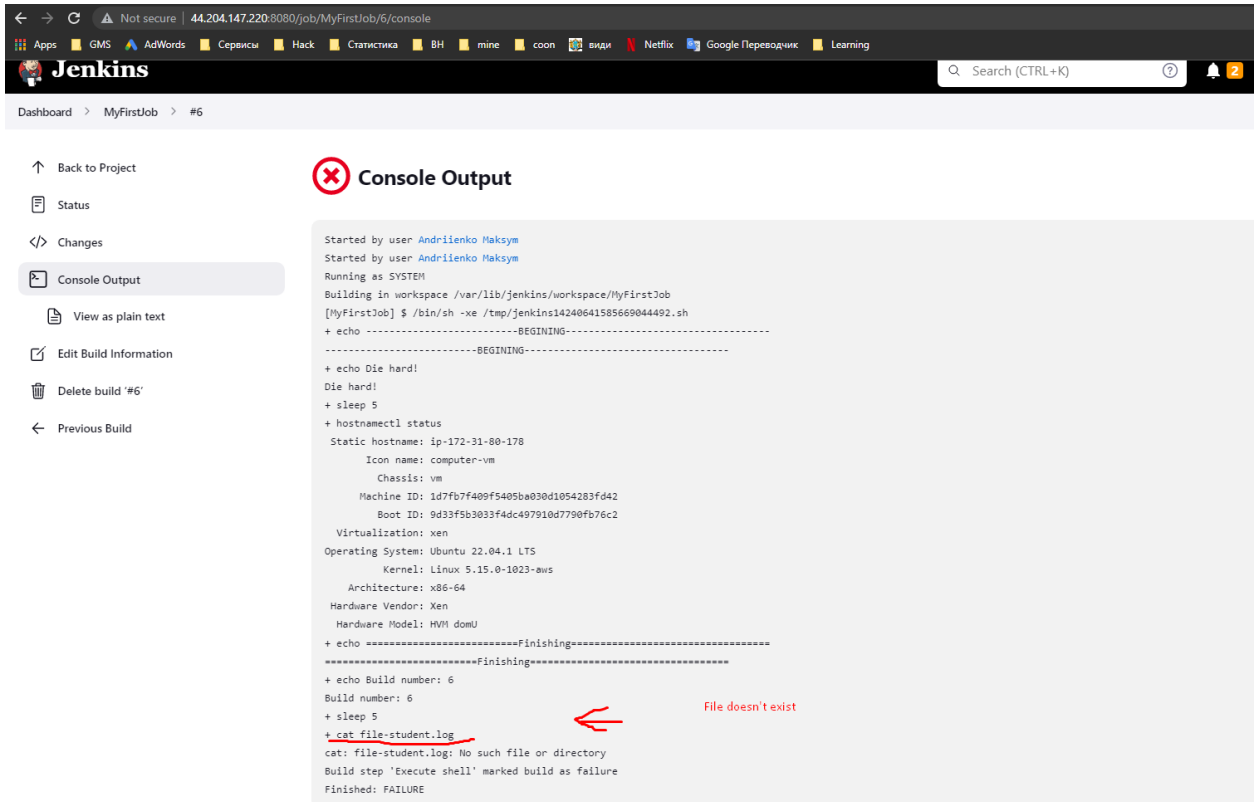


1) Created new job, add sleep timer and run it parallel at 3 slaves:



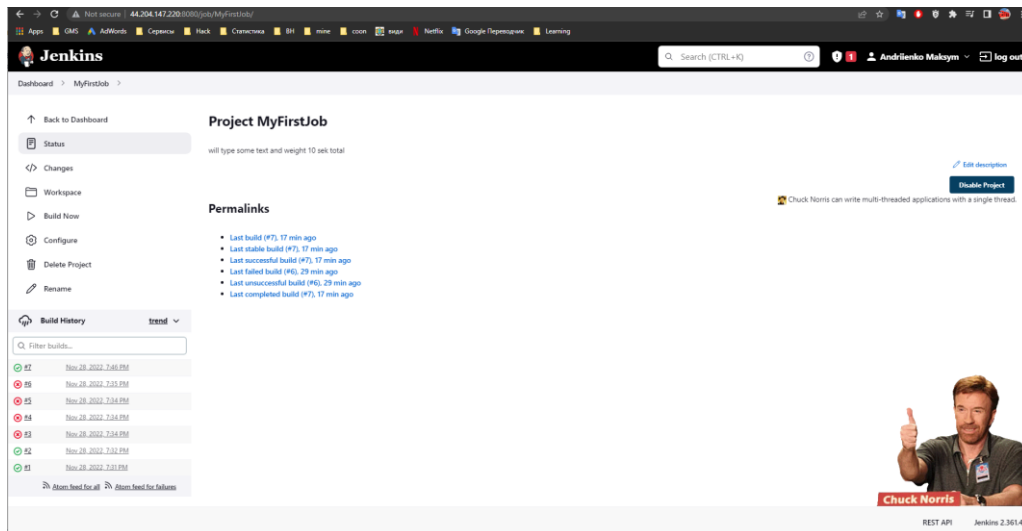
The screenshot shows the Jenkins Dashboard. On the left, there's a sidebar with links: New Item, People, Build History, Manage Jenkins, and My Views. The main area displays the 'AMS Jenkins!' job. A table shows the build status for 'MyFirstJob' with columns: S (Status), W (Webhook), Name, Last Success, Last Failure, and Last Duration. The build is currently in a 'Success' state (green checkmark) and has a duration of 0.12 sec. Below the table, there's a 'Build Queue (1)' section showing 'MyFirstJob' and a 'Build Executor Status' section showing three executors (1, 2, 3) all running 'MyFirstJob'.



The screenshot shows the Jenkins Console Output for the 'MyFirstJob' build. The left sidebar has links: Back to Project, Status, Changes, Console Output (selected), View as plain text, Edit Build Information, Delete build '#6', and Previous Build. The main area displays the console output, which includes system information and a script execution. The script execution shows a failure due to a missing file. A red arrow points to the line 'cat file-student.log' with the text 'File doesn't exist'.

```
Started by user Andriienko Maksym
Started by user Andriienko Maksym
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/MyFirstJob
[MyFirstJob] $ /bin/sh -xe /tmp/jenkins14240641585669044492.sh
+ echo -----BEGINNING-----
+ echo Die hard!
Die hard!
+ sleep 5
+ hostnamectl status
Static hostname: ip-172-31-80-178
Icon name: computer-vm
Chassis: vm
Machine ID: 1d7fb7f409f5405ba030d1054283fd42
Boot ID: 9d33f5b3033f4dc497910d7790fb76c2
Virtualization: xen
Operating System: Ubuntu 22.04.1 LTS
Kernel: Linux 5.15.0-1023-aws
Architecture: x86_64
Hardware Vendor: Xen
Hardware Model: HVM domU
+ echo =====Finishing=====
=====Finishing=====
+ echo Build number: 6
Build number: 6
+ sleep 5
+ cat file-student.log
cat: file-student.log: No such file or directory
Build step 'Execute shell' marked build as failure
Finished: FAILURE
```

## 2) Changing UI by installing new plugins – added Chuck Norris plugin:



## 3) Changing saving builds quantity according to instructions:

Before changing:

```
ubuntu@ip-172-31-80-178:/var/lib/jenkins/jobs/MyFirstJob/builds$ ls
1 10 11 2 3 4 5 6 7 8 9 legacyIds permalinks
```

After changes:

```
ubuntu@ip-172-31-80-178:/var/lib/jenkins/jobs/MyFirstJob/builds$ ls
10 11 12 9 legacyIds permalinks
```

## 4) Simple job example in Jenkins with deploy

Execute shell ?

Command

See [the list of available environment variables](#)

```
echo "-----Build started-----"
sleep 5
cd /var/www/html
sudo cat <<EOF > index.html
<html>
<body bgcolor=black>
<center><h2><font color = "white">Hello world!</font></h2></center>
</body>
</html>
echo "-----Build ended-----"
```

Advanced...

Execute shell ?

Command

See [the list of available environment variables](#)

```
echo "=====Test started===== "
sleep 5
result=`grep "Hello" index.html | wc -l`
echo $result
if [ "$result" = "1" ]
then
echo "Test Passed"
else
echo "Test Failed"
exit 1
fi
echo "=====Test ended===== "
```

Execute shell ?

Command

See [the list of available environment variables](#)

```
echo "-----Deployment started-----"
ls -la
ip address
hostname
echo "-----Deployment ended-----"
```

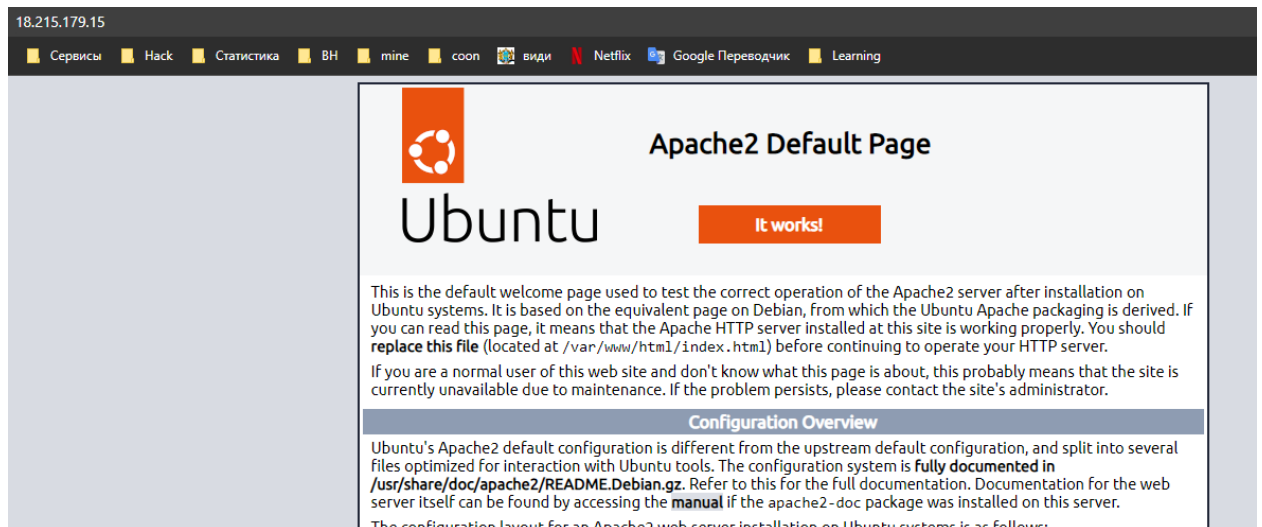
Advanced...

Add build step ▾

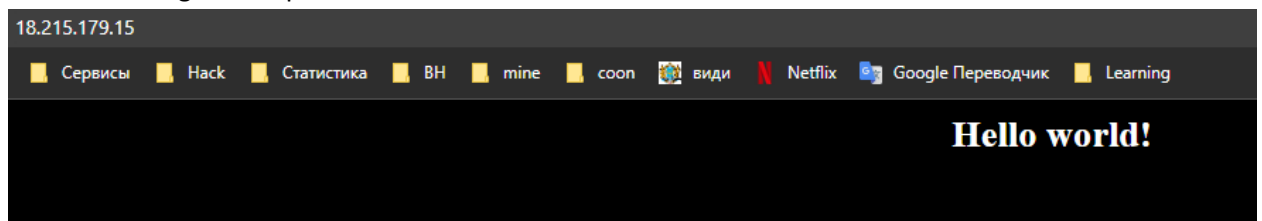
Post-build Actions

Activate Chuck Norris

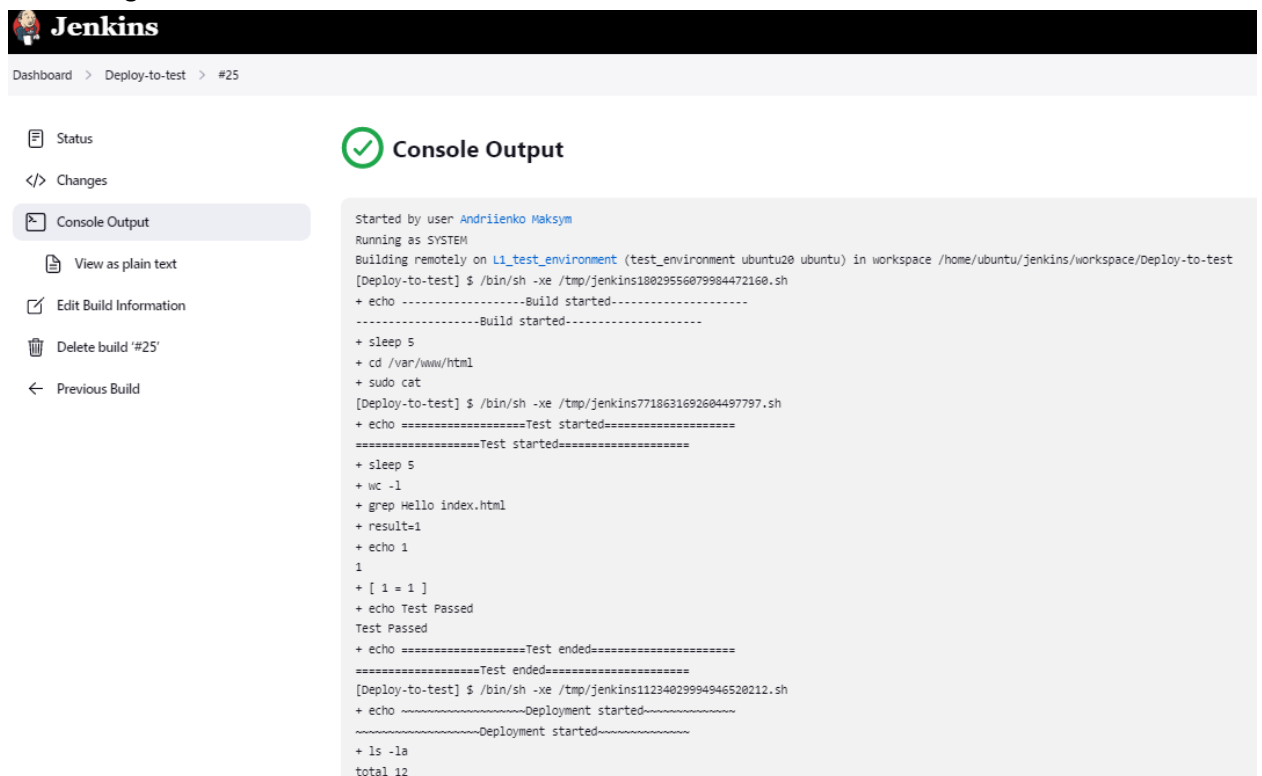
Before executing the script:



After executing the script:



Jenkins log:



```

drwxrwxr-x 2 ubuntu ubuntu 4096 Nov 30 17:14 .
drwxrwxr-x 5 ubuntu ubuntu 4096 Nov 30 17:14 ..
-rw-rw-r-- 1 ubuntu ubuntu 141 Nov 30 17:33 index.html
+ ip address
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 9001 qdisc fq_codel state UP group default qlen 1000
    link/ether 0a:4e:82:a2:76:5f brd ff:ff:ff:ff:ff:ff
    inet 172.31.22.191/20 metric 100 brd 172.31.31.255 scope global dynamic eth0
        valid_lft 2822sec preferred_lft 2822sec
    inet6 fe80::84e:82ff:fea2:765f/64 scope link
        valid_lft forever preferred_lft forever
+ hostname
ip-172-31-22-191
+ echo ~~~~~Deployment ended~~~~~
~~~~~Deployment ended~~~~~
Finished: SUCCESS

```

5)