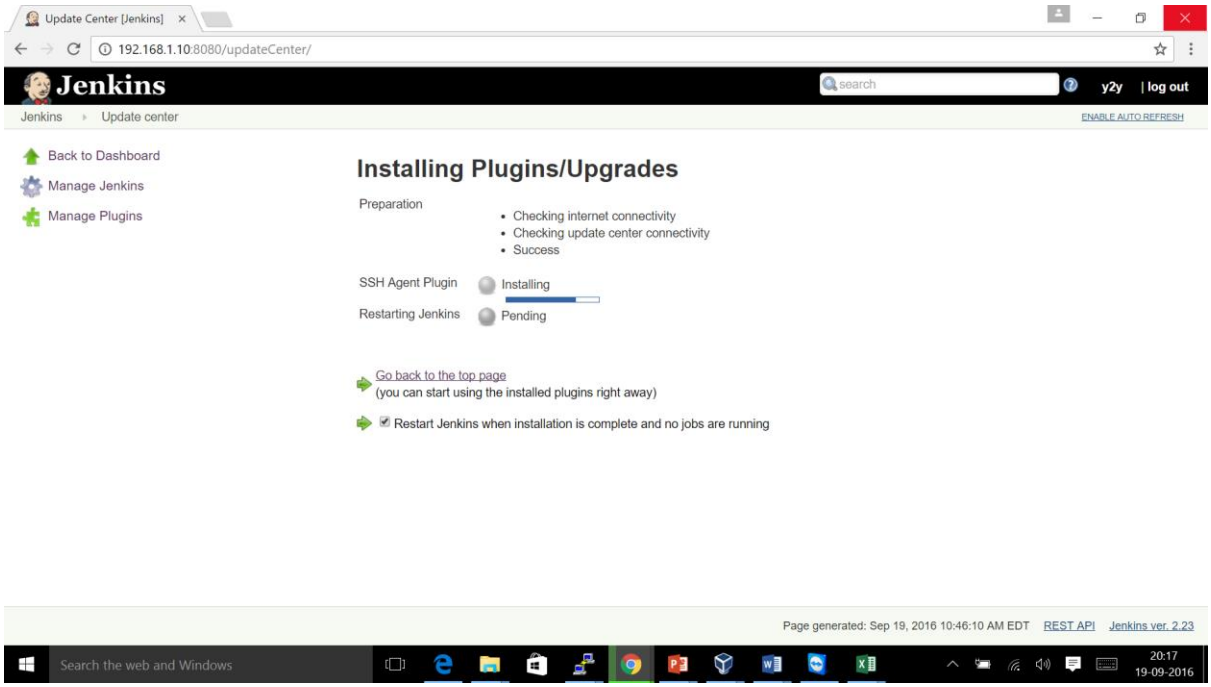
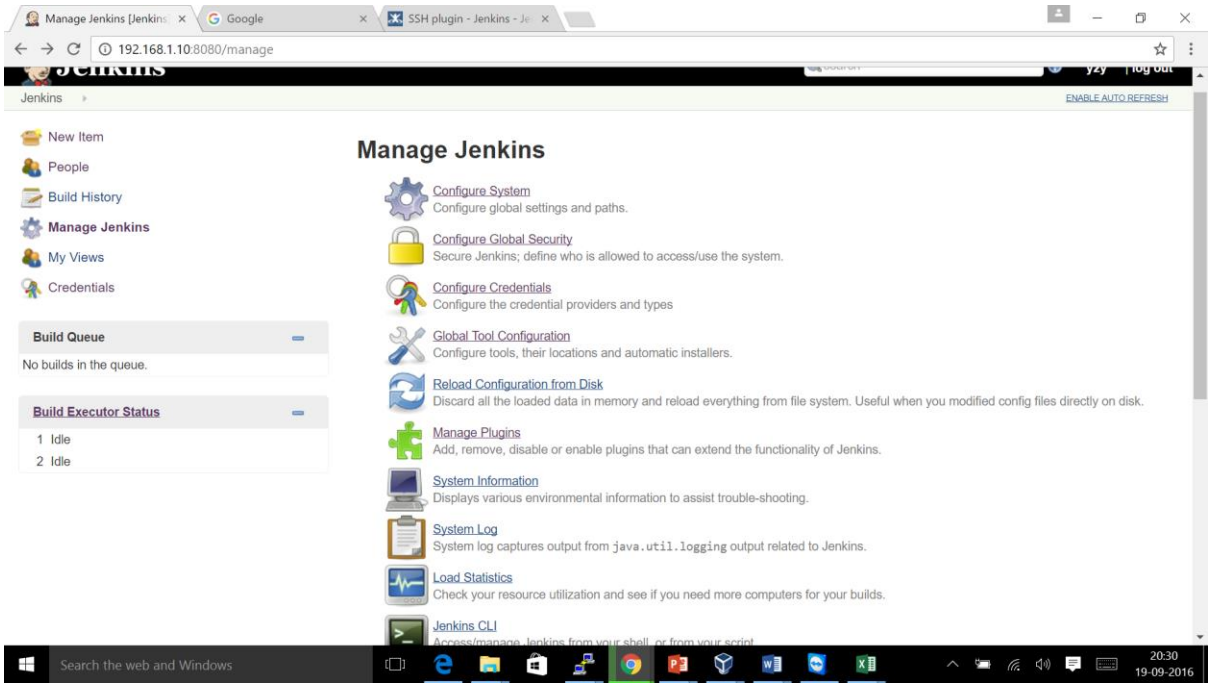
Deploy a Web Server in Jenkins

Go to Manage Plugins and Choose “ssh plugin” and Install ssh Plugin

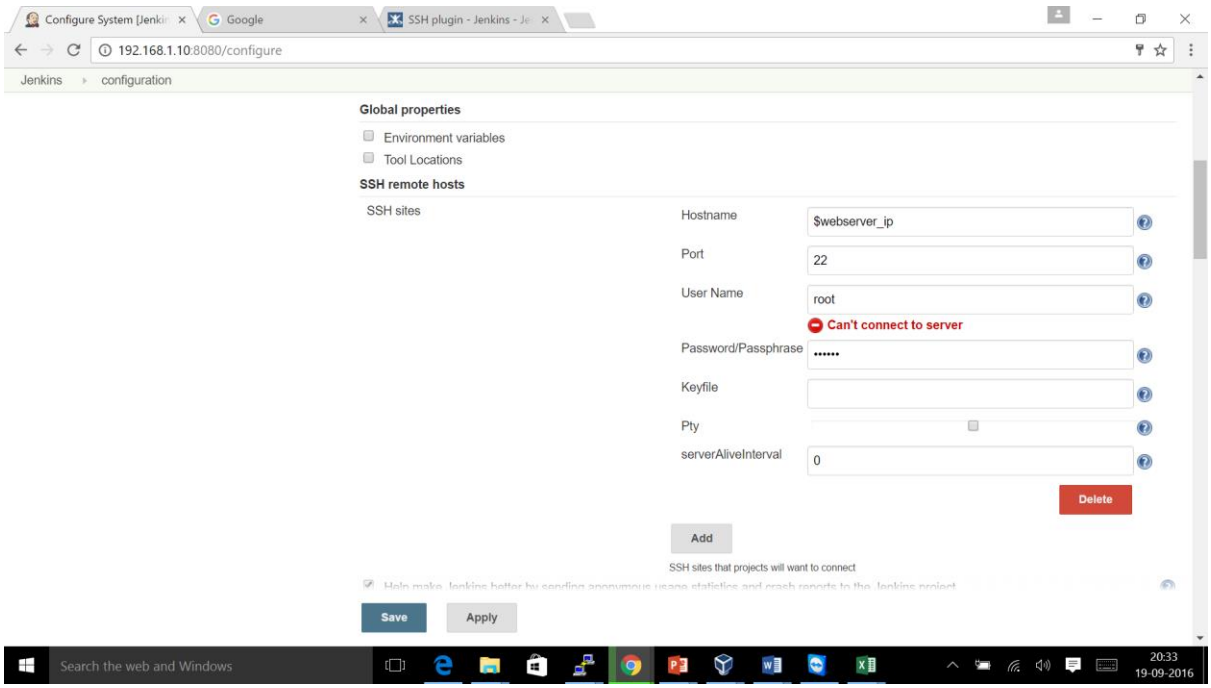


Go to Configure System and Add SSH keys

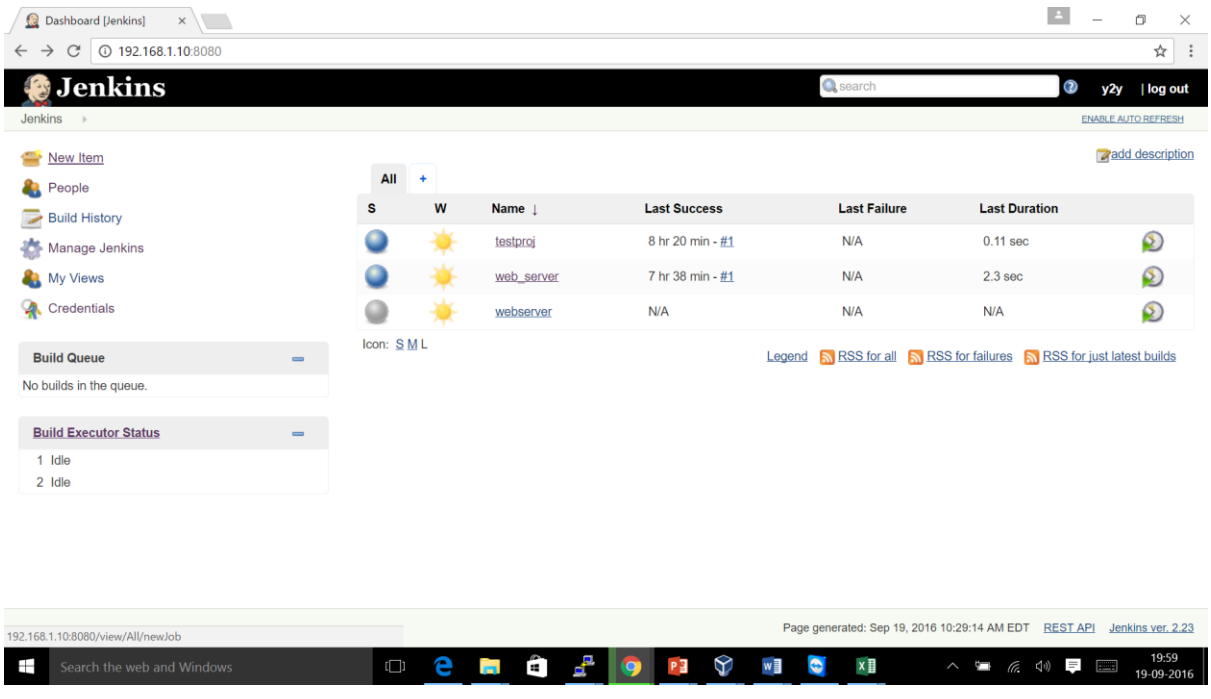


In Hostname Enter a hostname as variable $webserver_ip which will be parametrized during build

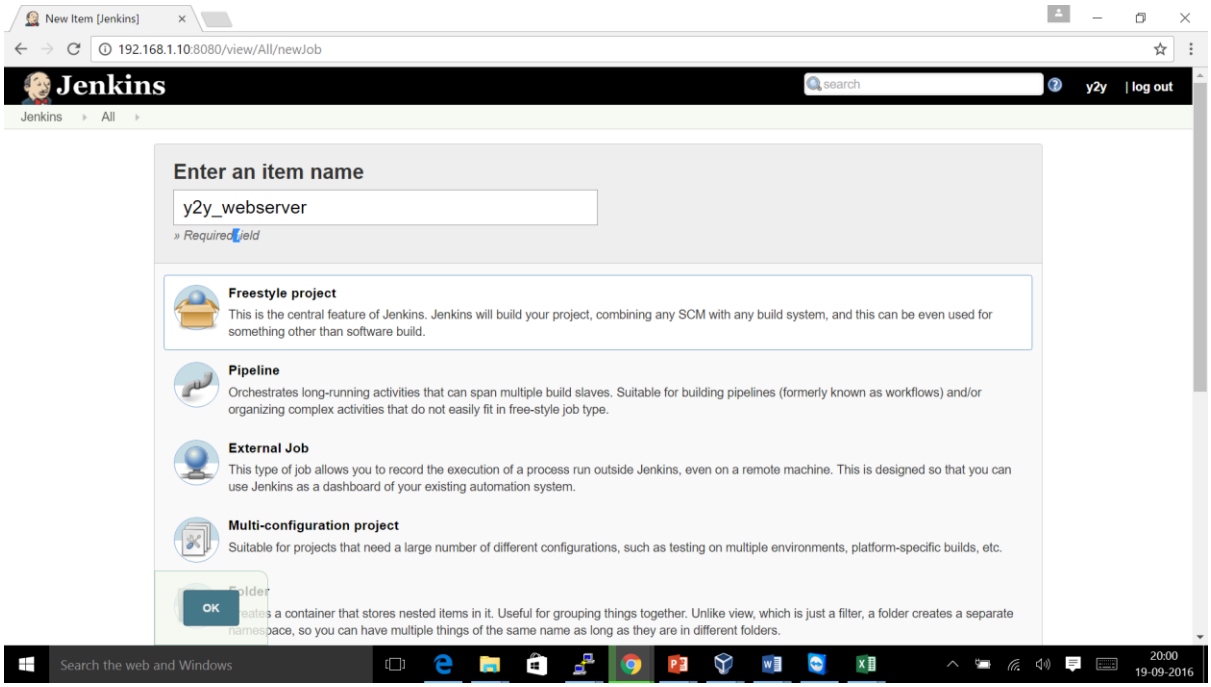
Save and Apply



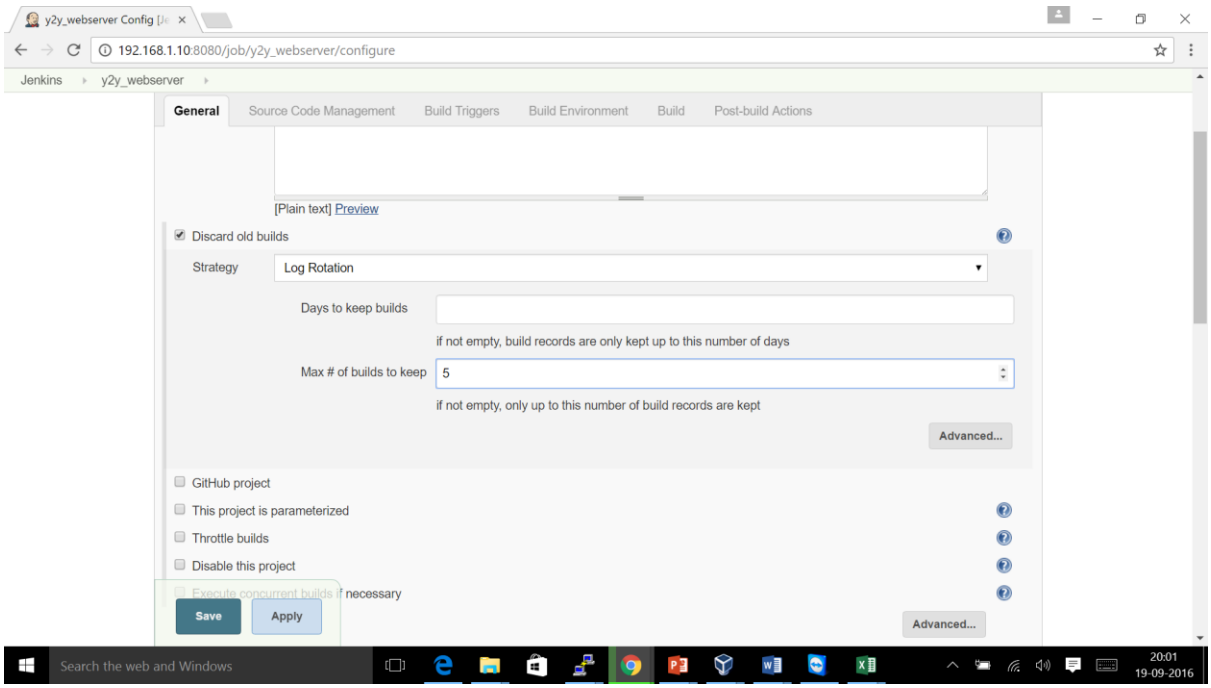
Create New Project



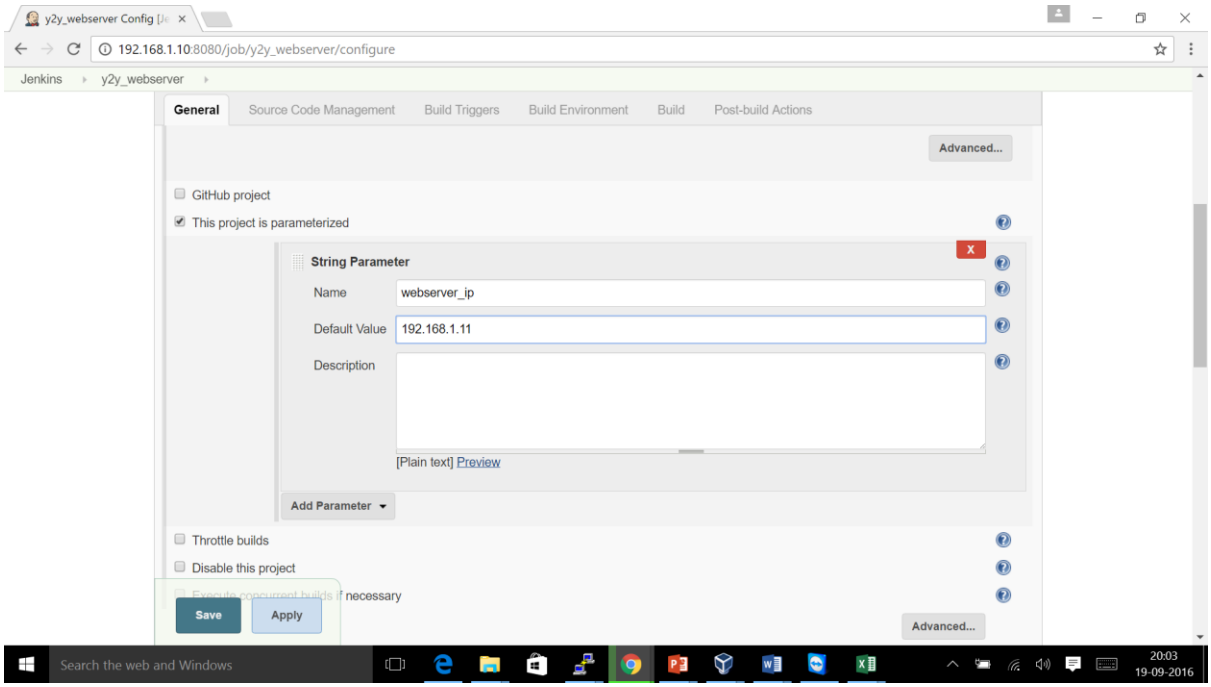
Give a Project name and choose Freestyle project



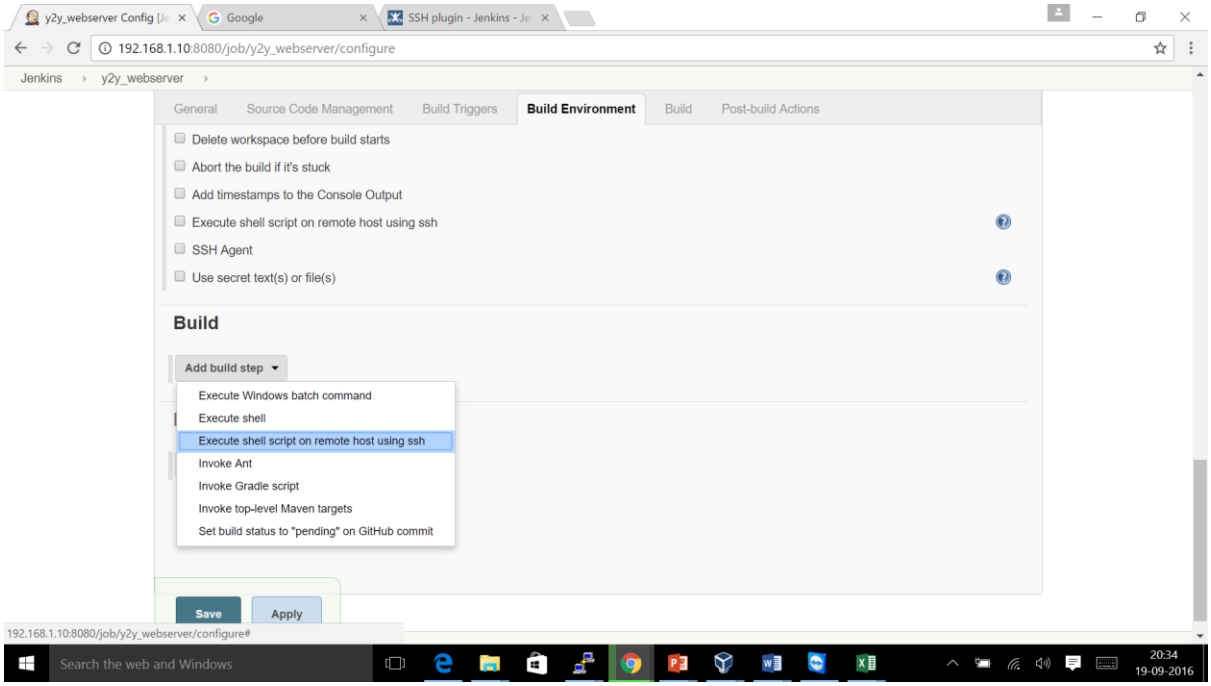
Choose the Number of builds to keep to 5



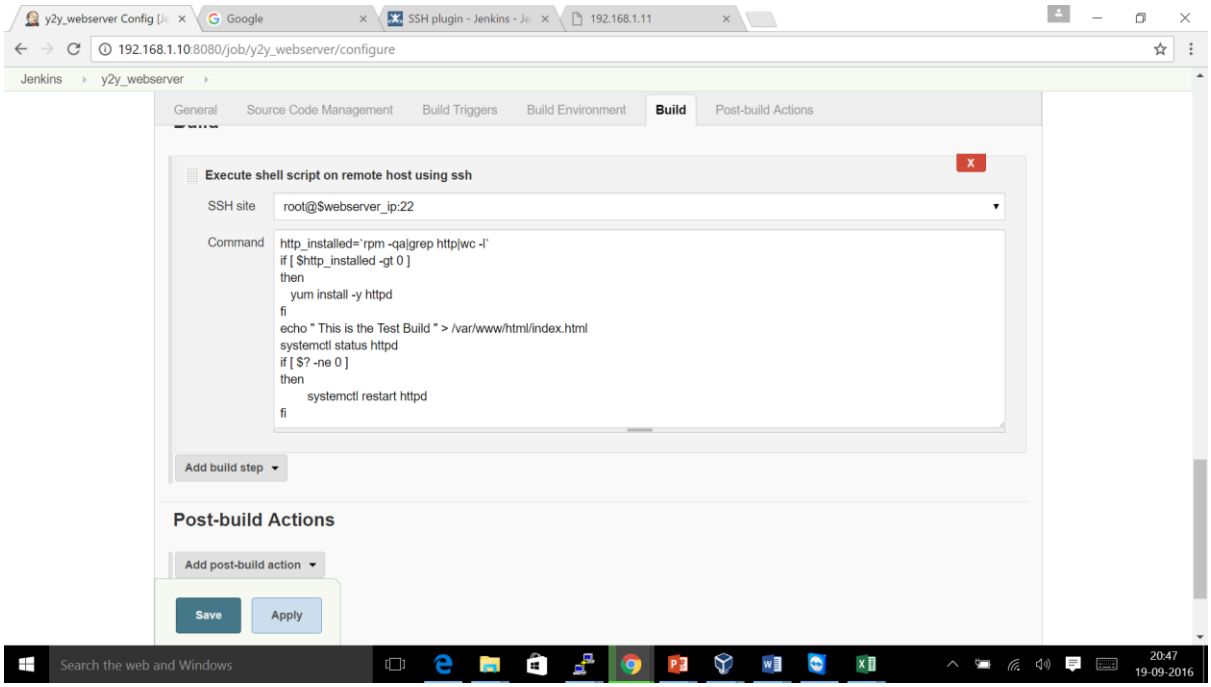
Choose Project is parameterized to give the webserver hostname or IP



Choose Add Build Step and Choose “Execute Shell Script on Remote host using SSH”

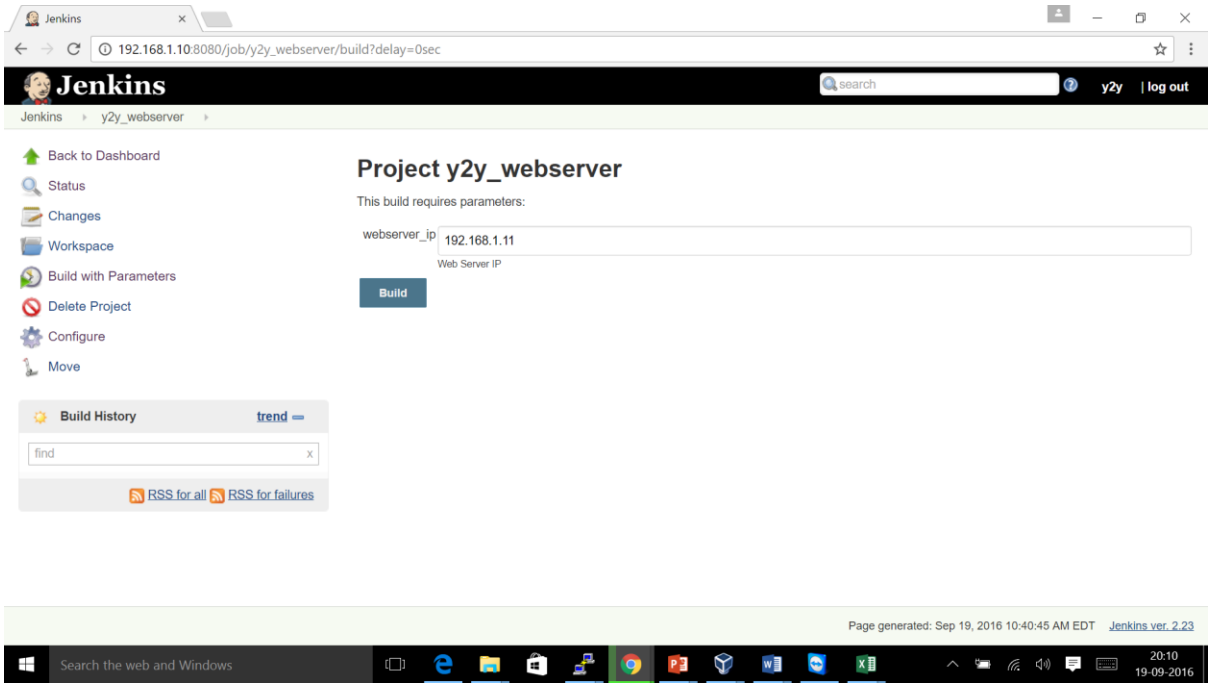


Copy paste the below shell script in the command and Save and Apply




```
http_installed=`rpm -qa|grep http|wc -l`
if [ $http_installed -eq 0 ]
then
  yum install -y httpd
fi
echo " This is the Test Build " > /var/www/html/index.html
systemctl status httpd
if [ $? -ne 0 ]
then
        systemctl restart httpd
fi
```

Click on Build with Parameters



Once Build is successful hit the webserver IP to check website is functional