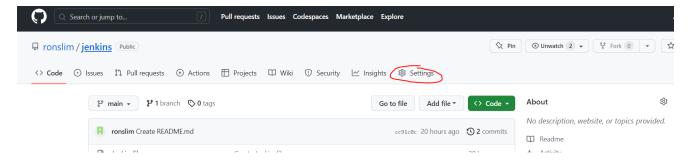
Edit Windows Host to any site you want for your localhost IP 127.0.0.1

```
nosts - Notepad
File Edit Format View Help
# Copyright (c) 1993-2001 Microsoft Corp.
# This file has been automatically generated for use by Microsoft Internet
# Connection Sharing. It contains the mappings of IP addresses to host names
# for the home network. Please do not make changes to the HOSTS.ICS file.
# Any changes may result in a loss of connectivity between machines on the
# local network.
172.22.48.1 DESKTOP-JLEGGJC.mshome.net # 2028 6 6 10 15 17 59 882
2.168.137.51 rac1.mshome.net # 2023 2 0 26 22 47 38 81
#Oracle 19c RAC Virtualbox
192.168.24.41 rac-scan
192.168.24.42 rac-scan
192,168,24,43 rac-scan
127.0.0.1
                ronjenkins.com
```

Execute jenkins.war via java to start Jenkins

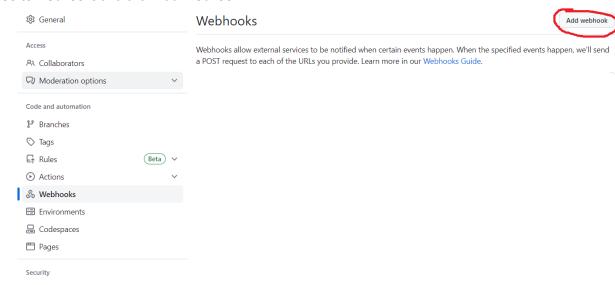
```
Command Prompt - java -jar jenkins.war
Microsoft Windows [Version 10.0.19045.2965]
(c) Microsoft Corporation. All rights reserved.
C:\Users\User>d:
D:\>cd Jenkins
D:\Jenkins>java -jar jenkins.war
Running from: D:\Jenkins\jenkins.war
webroot: D:\Jenkins\.jenkins\war
2023-06-12 20:01:46.503+0000 [id=1]
                                           INFO
                                                   winstone.Logger#logInternal: Beginning extraction from war file
2023-06-12 20:01:46.558+0000 [id=1]
2023-06-12 20:01:46.621+0000 [id=1]
                                           WARNING o.e.j.s.handler.ContextHandler#setContextPath: Empty contextPath
                                                 org.eclipse.jetty.server.Server#doStart: jetty-10.0.13; built: 2022-12-0
7T20:13:20.134Z; git: 1c2636ea05c0ca8de1ffd6ca7f3a08ac084c766d; jvm 17.0.7+8-LTS-224
2023-06-12 20:01:51.410+0000 [id=1] INFO o.e.j.w.StandardDescriptorProcessor#
                                                   o.e.j.w.StandardDescriptorProcessor#visitServlet: NO JSP Support for /,
did not find org.eclipse.jetty.jsp.JettyJspServlet
                                                   o.e.j.s.s.DefaultSessionIdManager#doStart: Session workerName=node0
2023-06-12 20:01:51.461+0000 [id=1]
                                           INFO
2023-06-12 20:01:51.937+0000 [id=1]
                                           INFO
                                                   hudson.WebAppMain#contextInitialized: Jenkins home directory: D:\Jenkins
\.jenkins found at: EnvVars.masterEnvVars.get("JENKINS_HOME"
2023-06-12 20:01:52.059+0000 [id=1]
                                                   o.e.j.s.handler.ContextHandler#doStart: Started w.@77b21474{Jenkins v2.4
01.1,/,file:///D:/Jenkins/.jenkins/war/,AVAILABLE}{D:\Jenkins\.jenkins\war}
2023-06-12 20:01:52.082+0000 [id=1]
                                                   o.e.j.server.AbstractConnector#doStart: Started ServerConnector@62e136d3
{HTTP/1.1, (http/1.1)}{0.0.0.0:8080}
                                           INFO
                                                   org.eclipse.jetty.server.Server#doStart: Started Server@48524010{STARTIN
2023-06-12 20:01:52.096+0000 [id=1]
G}[10.0.13,sto=0] @6058ms
2023-06-12 20:01:52.097+0000 [id=28]
                                           INFO
                                                   winstone.Logger#logInternal: Winstone Servlet Engine running: controlPor
```

Go to github then to your Jenkins directory and choose settings tab

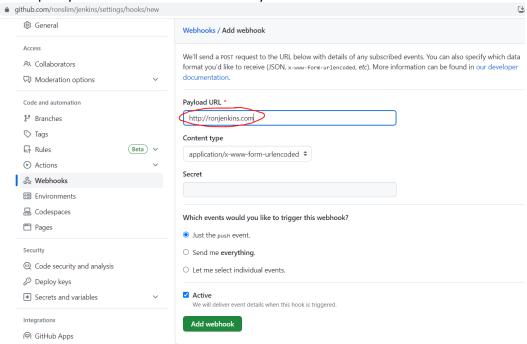


Go to webhooks and click Add Webhook

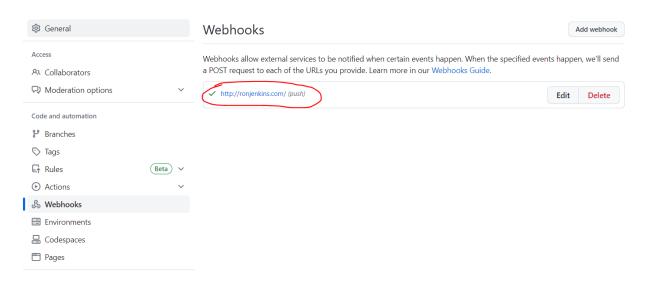
M Email notifications



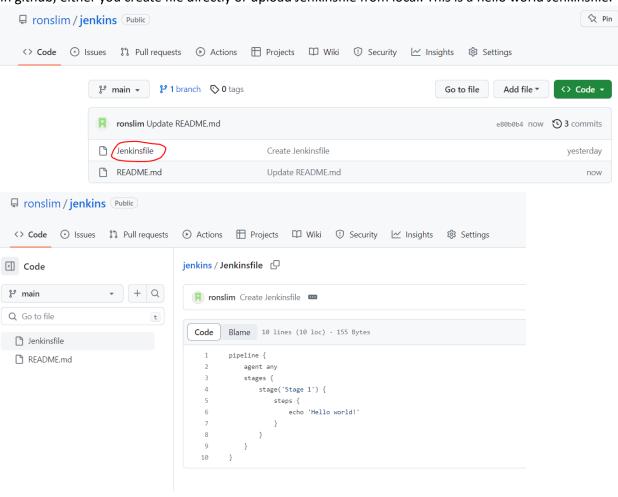
Then specify the site in Windows Host to Payload URL and then click Add Webhook



After that, check that the webhook is checked green. Green means successful communication but if red, there is a problem with site communication.



In github, either you create file directly or upload Jenkinsfile from local. This is a hello world Jenkinsfile.

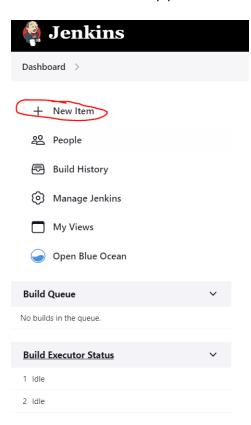


Jenkinsfile YAML code:

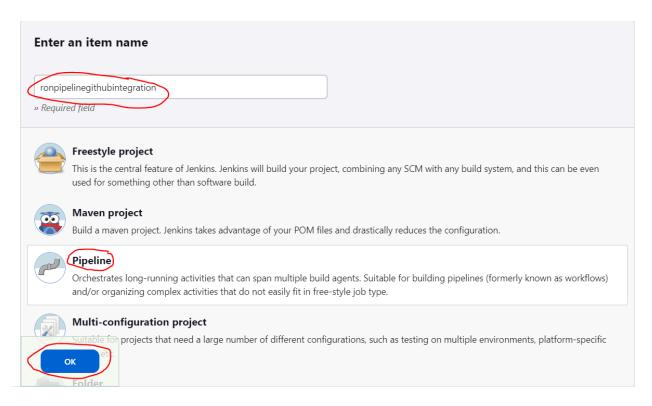
```
pipeline {
    agent any
    stages {
        stage('Stage 1') {
            steps {
                 echo 'Hello world!'
            }
        }
    }
}
```

For this case, the Github directory of Jenkinsfile is ronslim/Jenkins/

Then we are ready for pipeline with Github integration as we already have working webhook and Jenkinsfile to be used in pipeline run. Click + New Item



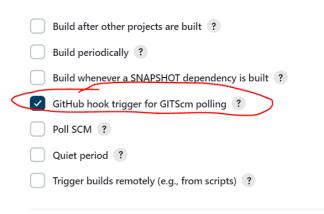
Then specify an item name and choose Pipeline and then click OK button



Then in General window, check *Github Project* and under Build Triggers, check *GitHub hook trigger for GITScm polling*. Under *Github Project*, specify Jenkins project folder in Github.



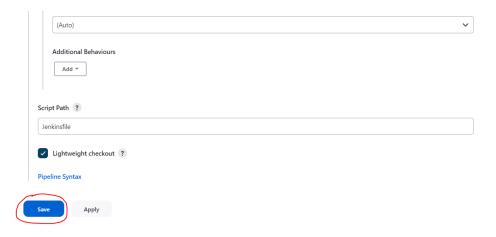
Build Triggers



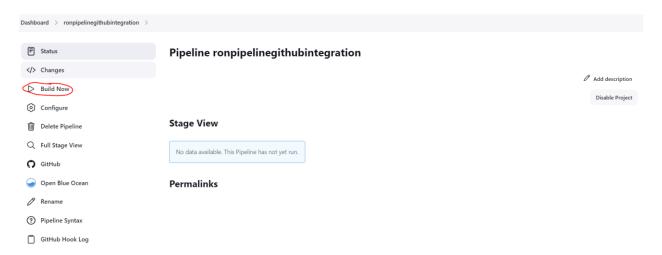
For the Pipeline section, choose *Pipeline script from SCM* Definition. For the SCM, choose Git and then specify Repository URL which is the same as Project URL. Then use */main for Branch specifier just in case */master does not work.



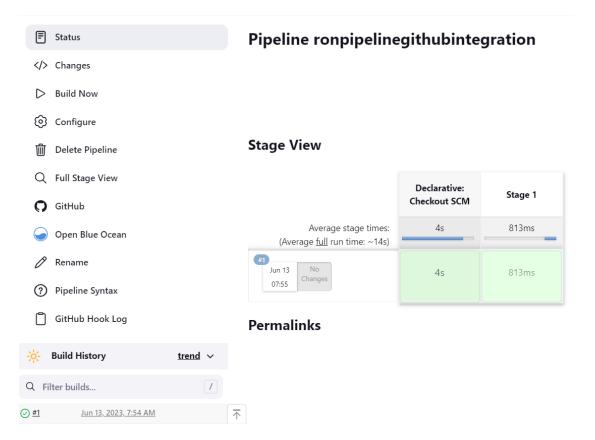
Then click Save button



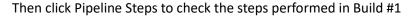
Then click Build Now to start with the build

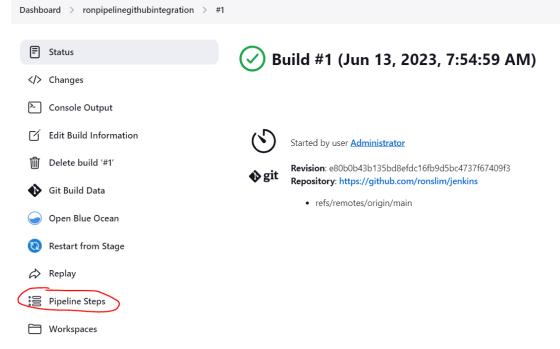


Then monitor until success or failure

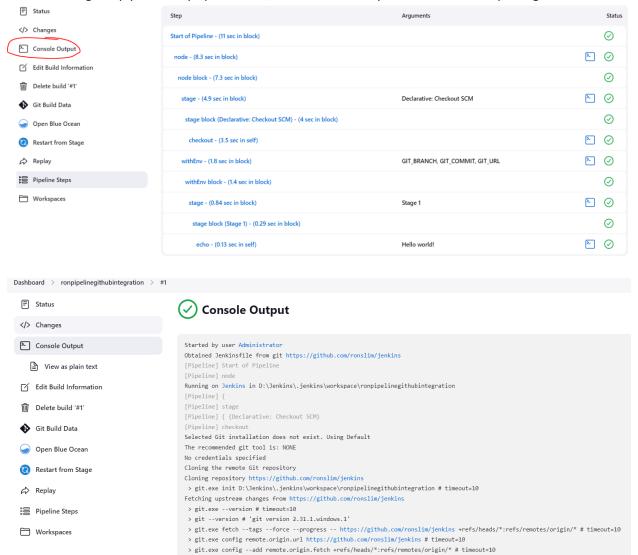


Click either #1 or the date beside #1 to check the first build run





After checking the pipeline steps performed, click Console Output to check the output logs



Console Output (Full):

Started by user **Administrator**

Obtained Jenkinsfile from git https://github.com/ronslim/jenkins

Avoid second fetch

[Pipeline] Start of Pipeline

[Pipeline] node

 $Running \ on \ \underline{Ienkins} \ in \ D: \ Jenkins \setminus work space \setminus ronpipeline gith ubintegration$

 $[Pipeline] \, \{$

[Pipeline] stage

[Pipeline] { (Declarative: Checkout SCM)

[Pipeline] checkout

Selected Git installation does not exist. Using Default

The recommended git tool is: NONE

No credentials specified

Cloning the remote Git repository

Cloning repository https://github.com/ronslim/jenkins

```
> git.exe init D:\Jenkins\.jenkins\workspace\ronpipelinegithubintegration # timeout=10
Fetching upstream changes from <a href="https://github.com/ronslim/jenkins">https://github.com/ronslim/jenkins</a>
> git.exe --version # timeout=10
> git --version # 'git version 2.31.1.windows.1'
> git.exe fetch --tags --force --progress -- <a href="https://github.com/ronslim/jenkins">https://github.com/ronslim/jenkins</a>
+refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe config remote.origin.url <a href="https://github.com/ronslim/jenkins">https://github.com/ronslim/jenkins</a> # timeout=10
> git.exe config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
> git.exe rev-parse "refs/remotes/origin/main^{commit}" # timeout=10
Checking out Revision e80b0b43b135bd8efdc16fb9d5bc4737f67409f3 (refs/remotes/origin/main)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f e80b0b43b135bd8efdc16fb9d5bc4737f67409f3 # timeout=10
Commit message: "Update README.md"
First time build. Skipping changelog.
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Stage 1)
[Pipeline] echo
Hello world!
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
```

[Pipeline] End of Pipeline Finished: SUCCESS