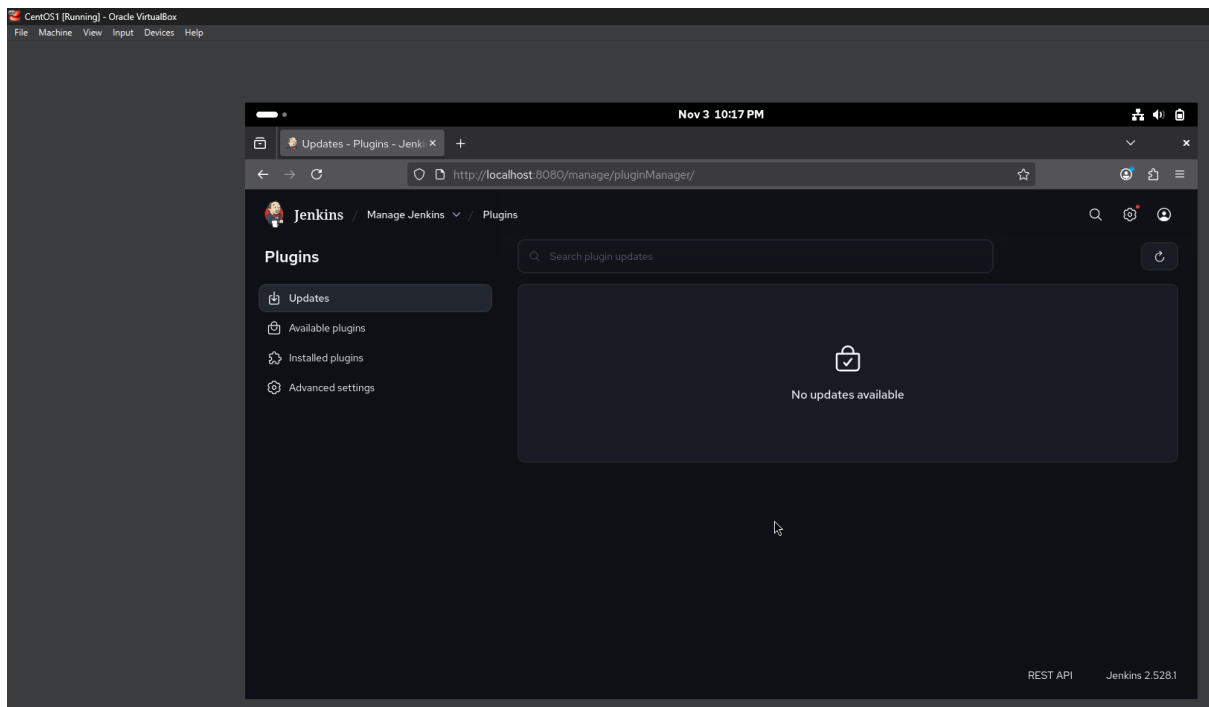
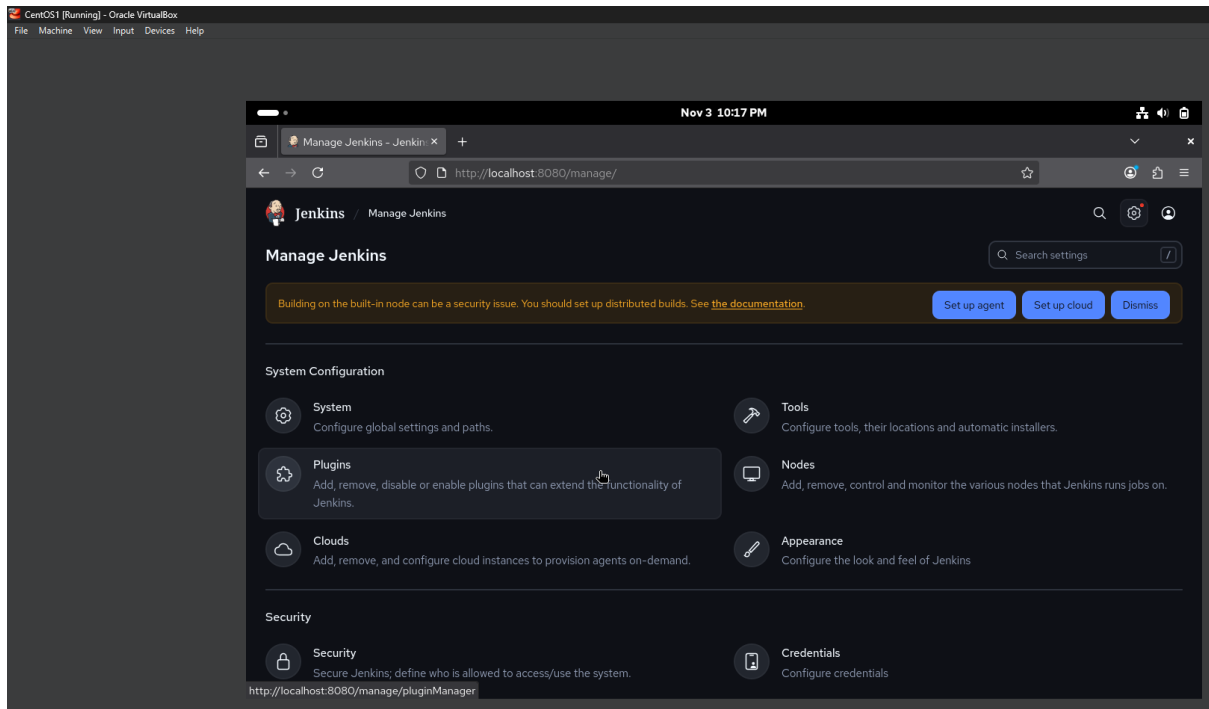
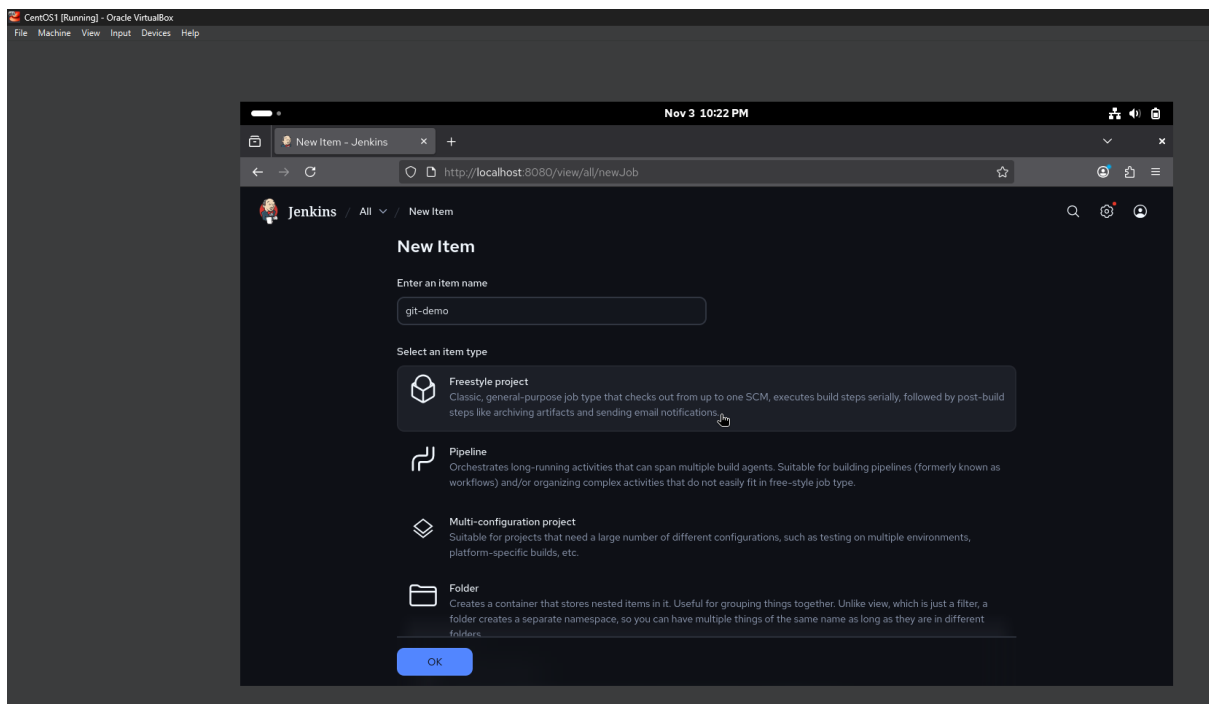
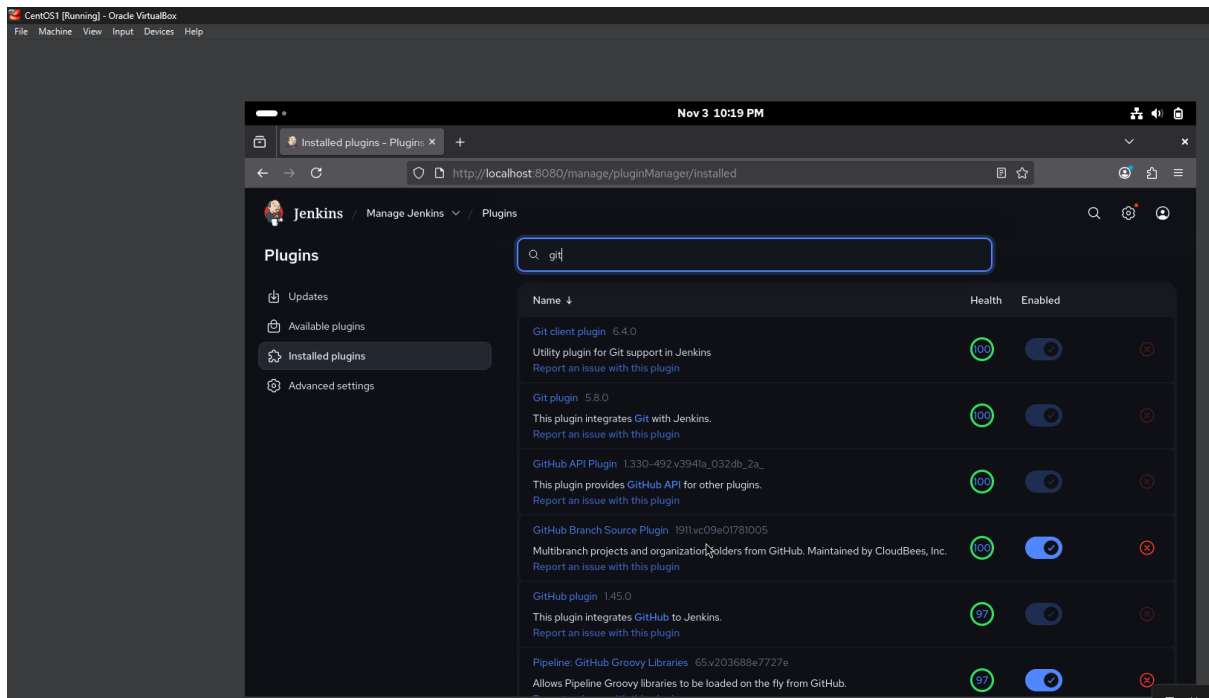
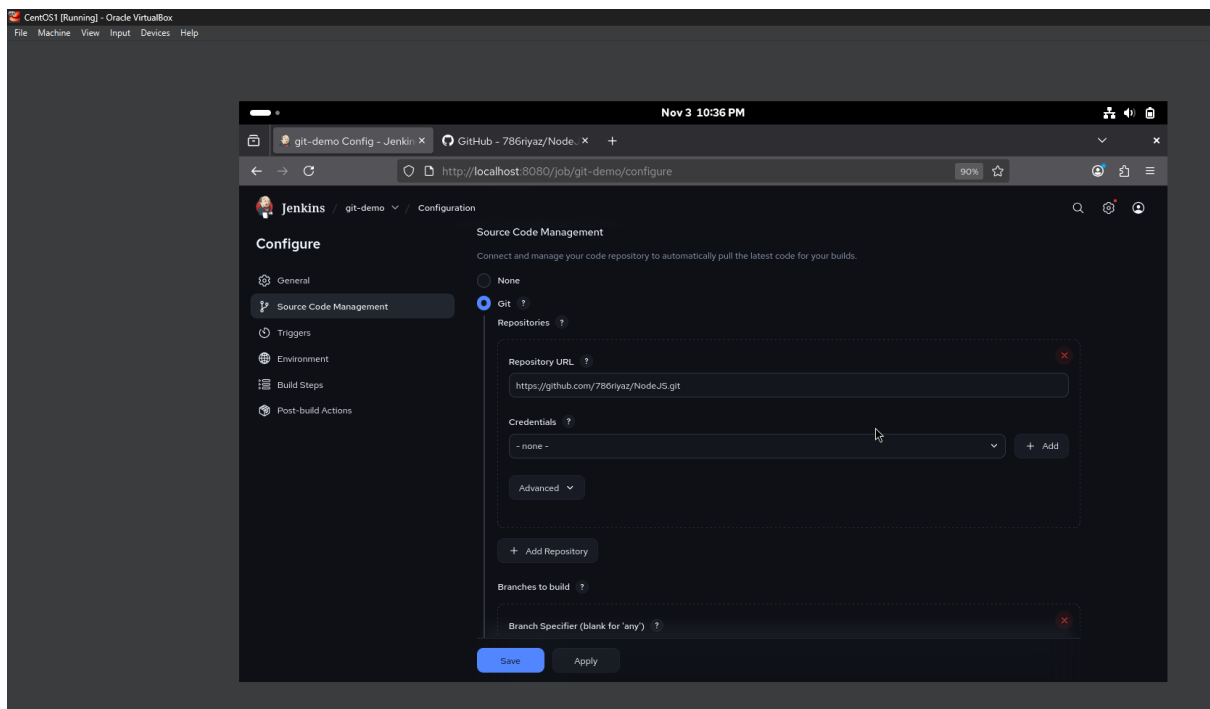
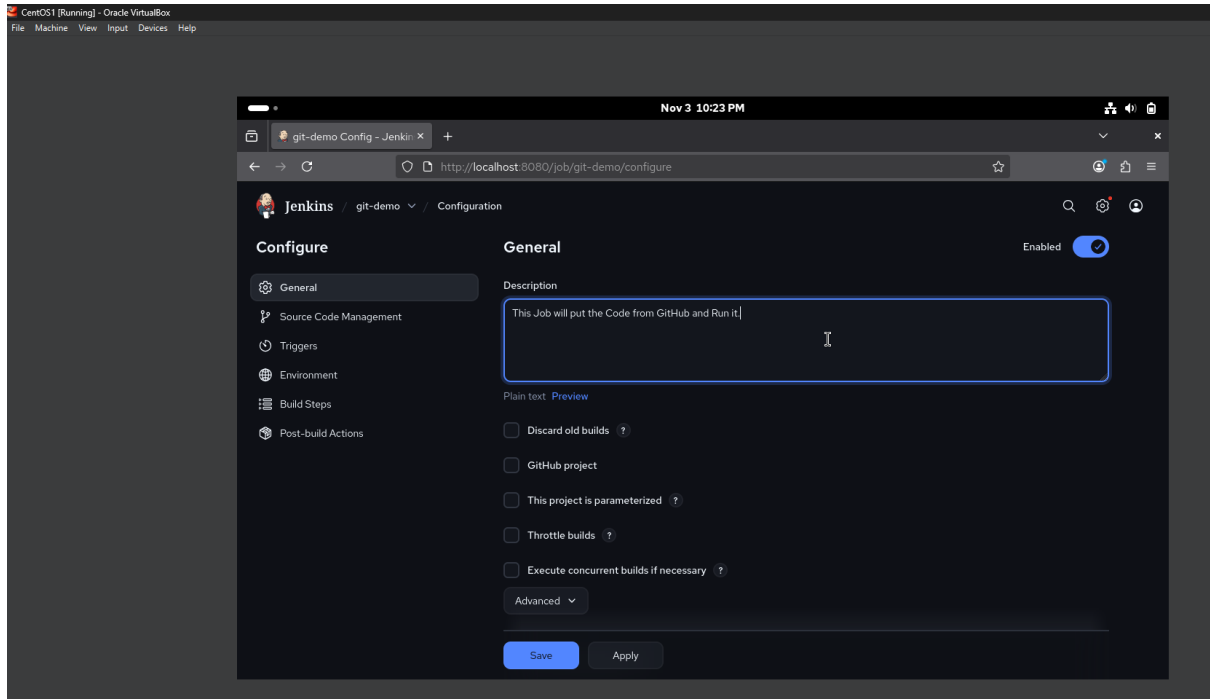
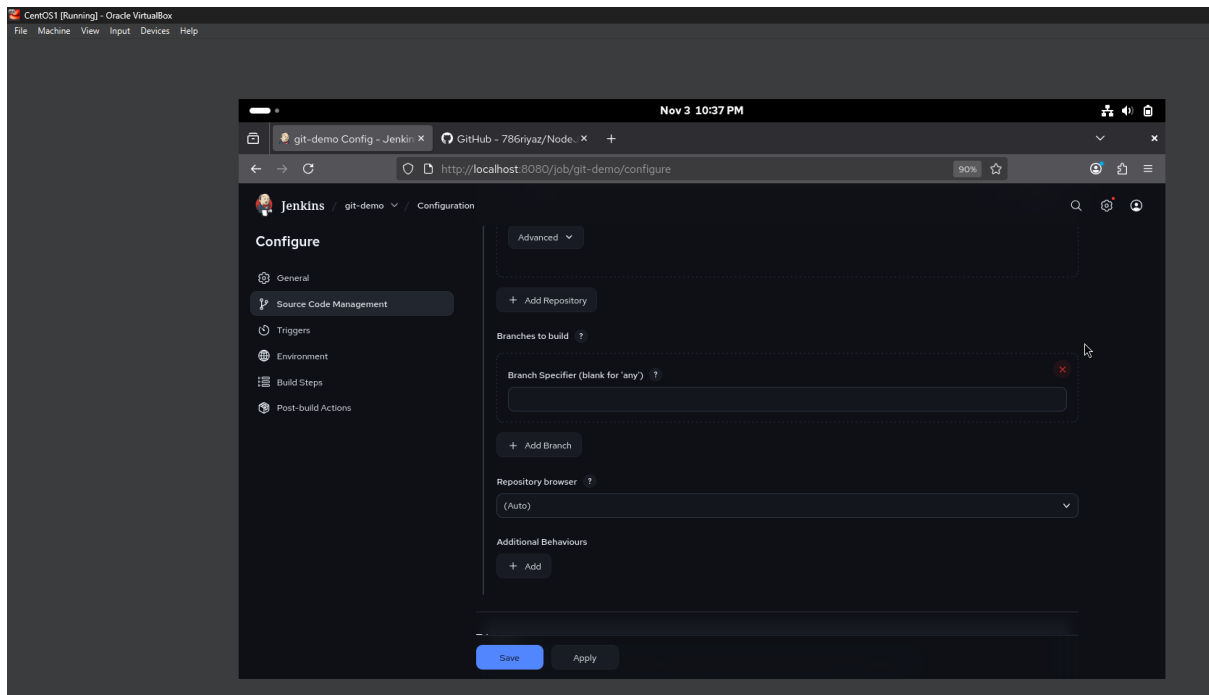
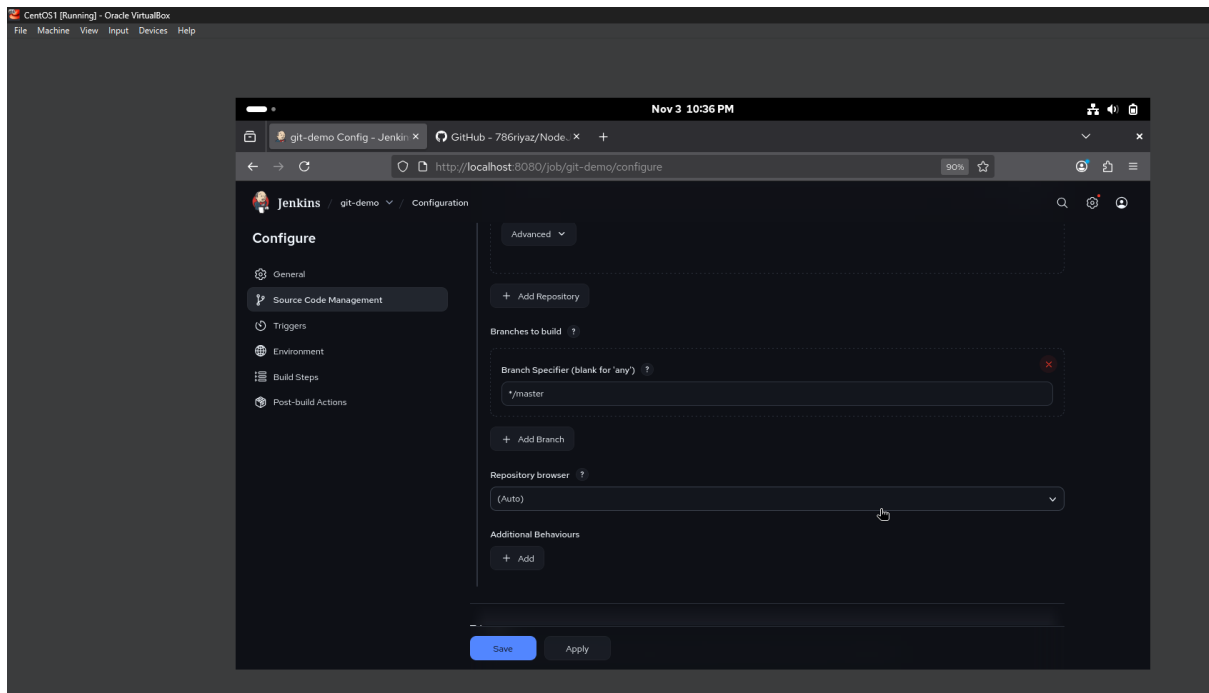


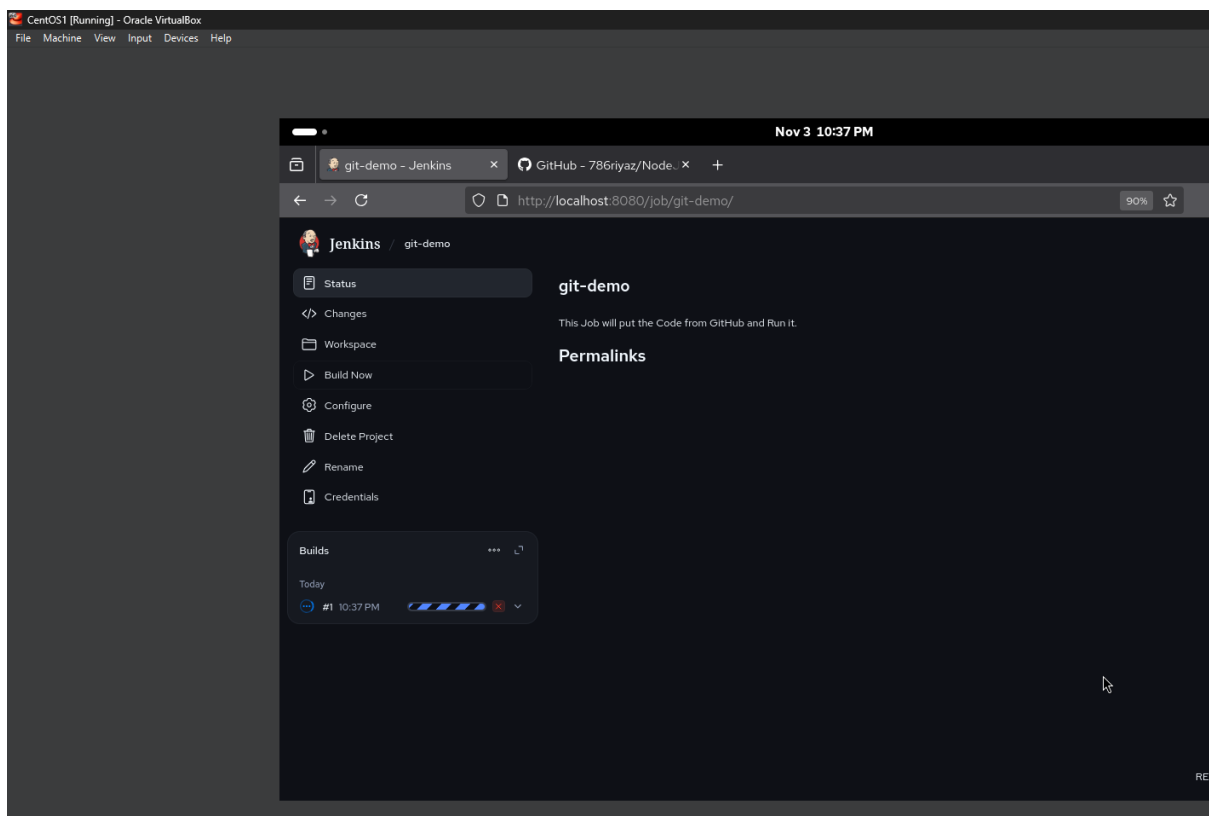
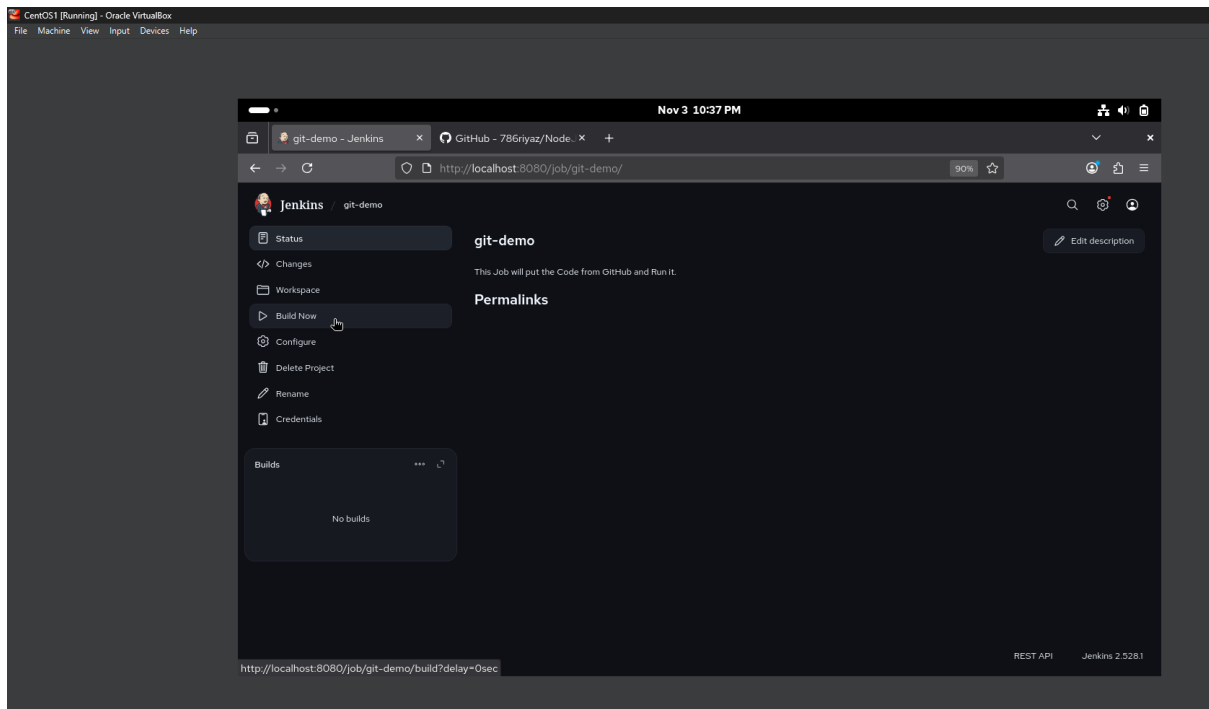
Simple Git Project Cloning and Running on Build Button Click

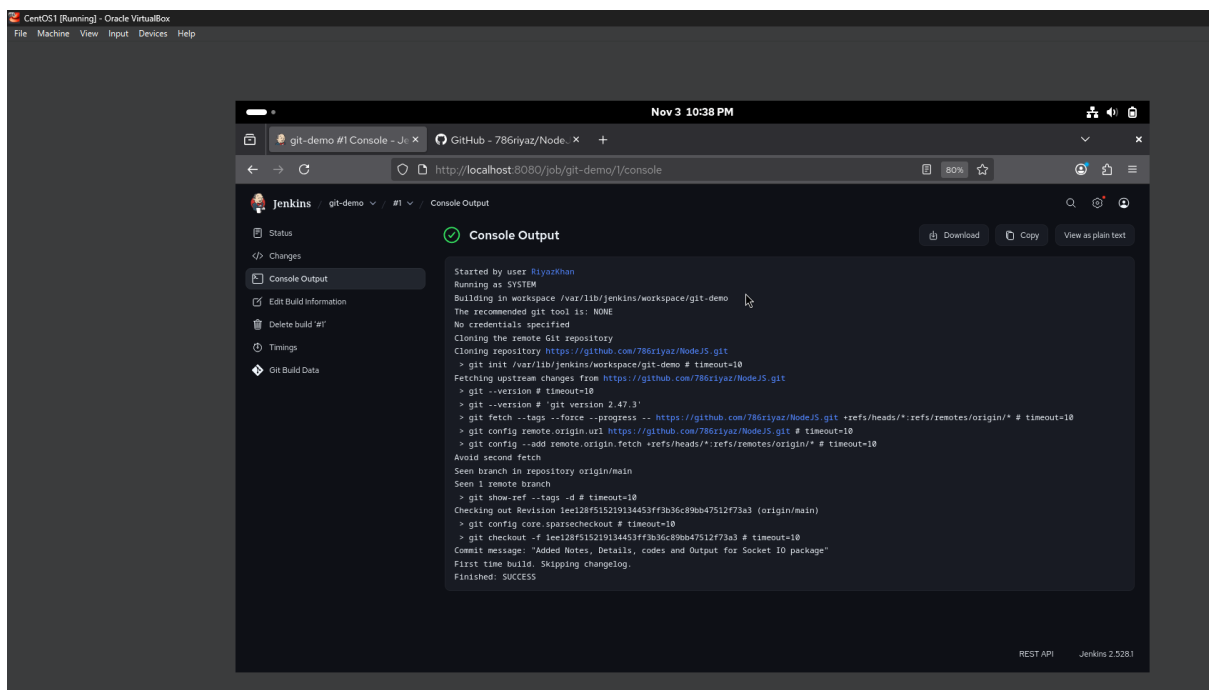
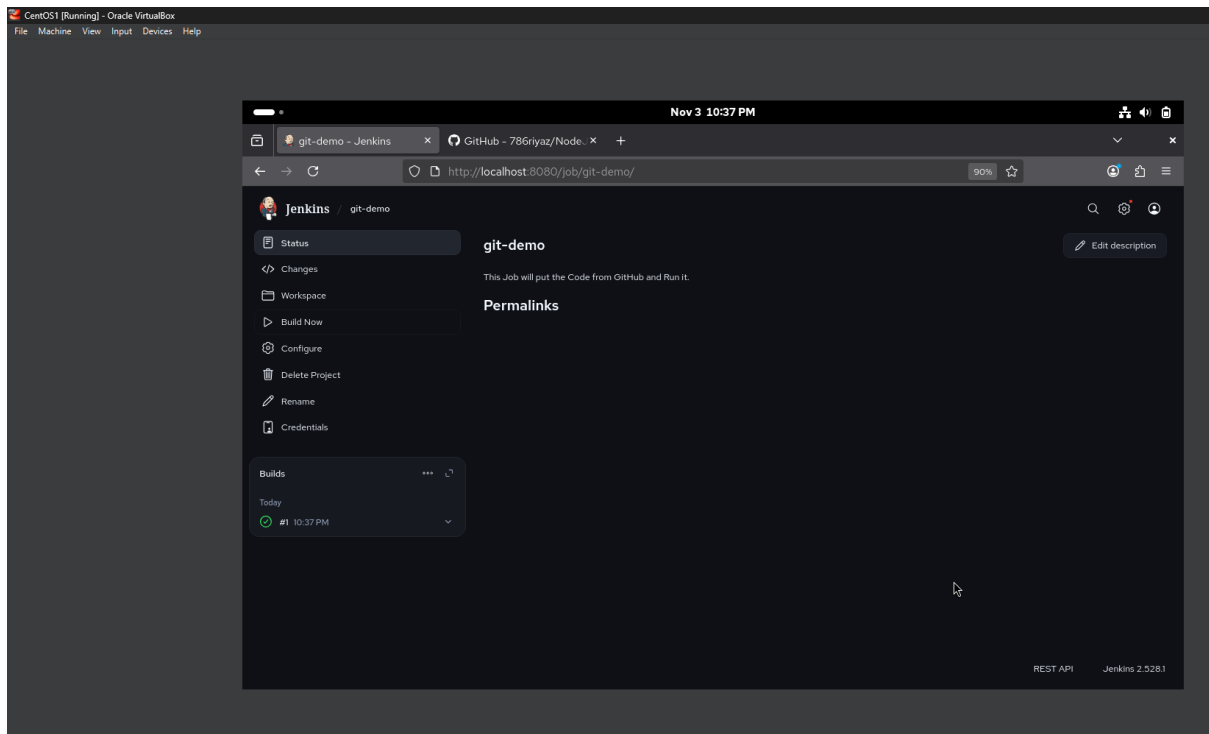


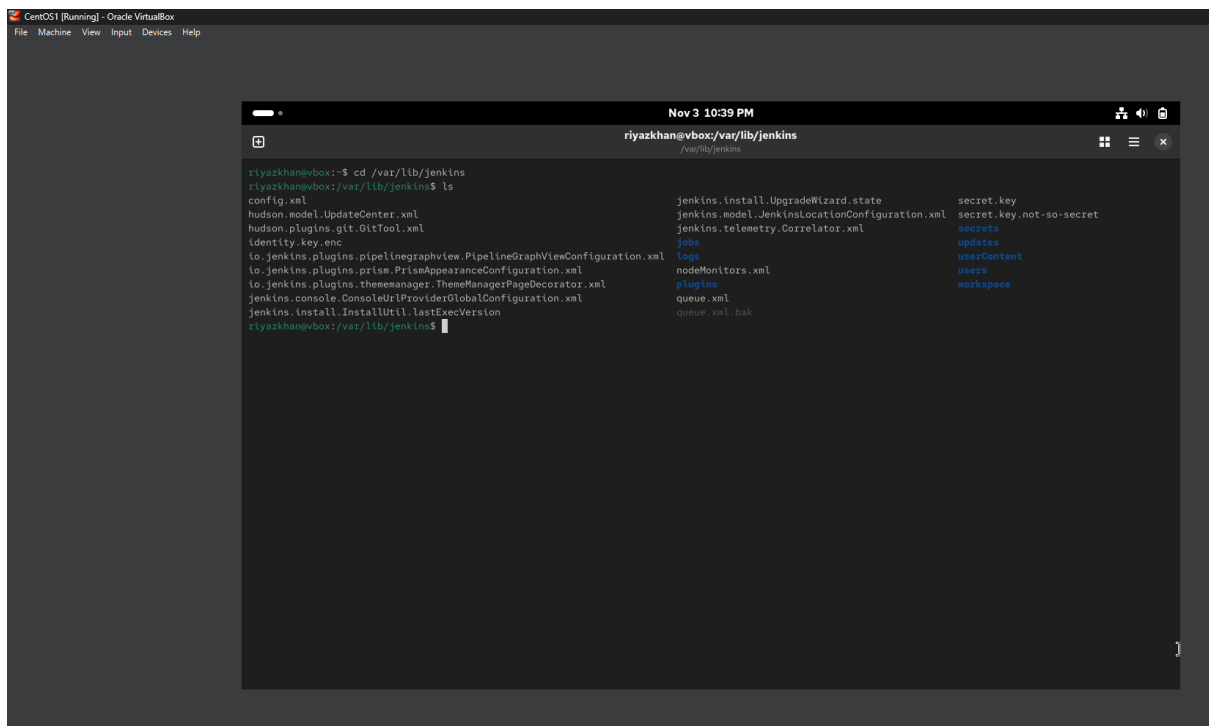
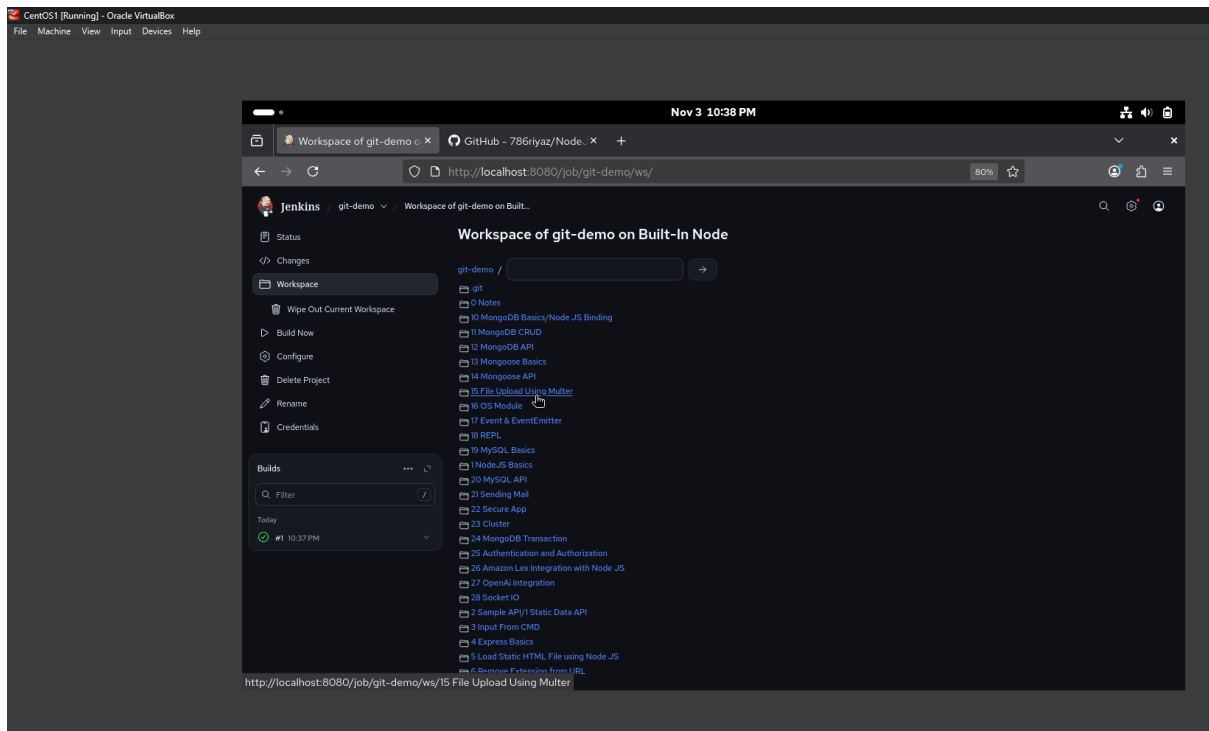












```
CentOS1 [Running] - Oracle VirtualBox
File Machine View Input Devices Help

Nov 3 10:40 PM
riyazkhan@vbox:/var/lib/jenkins/workspace
/var/lib/jenkins/workspace

riyazkhan@vbox:~$ cd /var/lib/jenkins
riyazkhan@vbox:/var/lib/jenkins$ ls
config.xml                               jenkins.install.UpgradeWizard.state      secret.key
HUDSON.model.UpdateCenter.xml             jenkins.model.JenkinsLocationConfiguration.xml  secret.key.not-so-secret
HUDSON.plugins.git.GitTool.xml            jenkins.telemetry.Correlator.xml          secrets
identity.key.enc                         jobs                                       updates
io.jenkins.plugins.pipelinegraphview.PipelineGraphViewConfiguration.xml  logs                                     userContent
io.jenkins.plugins.prism.PrismAppearanceConfiguration.xml                  nodeMonitors.xml                        users
io.jenkins.plugins.thememanager.ThemeManagerPageDecorator.xml              plugins                                workspace
jenkins.console.ConsoleUrlProviderGlobalConfiguration.xml                  queue.xml
jenkins.install.InstallUtil.lastExecVersion                                queue.xml.bak

riyazkhan@vbox:/var/lib/jenkins$ cd workspace
riyazkhan@vbox:/var/lib/jenkins/workspace$ ls
cron-job  first-job  git-demo
riyazkhan@vbox:/var/lib/jenkins/workspace$
```

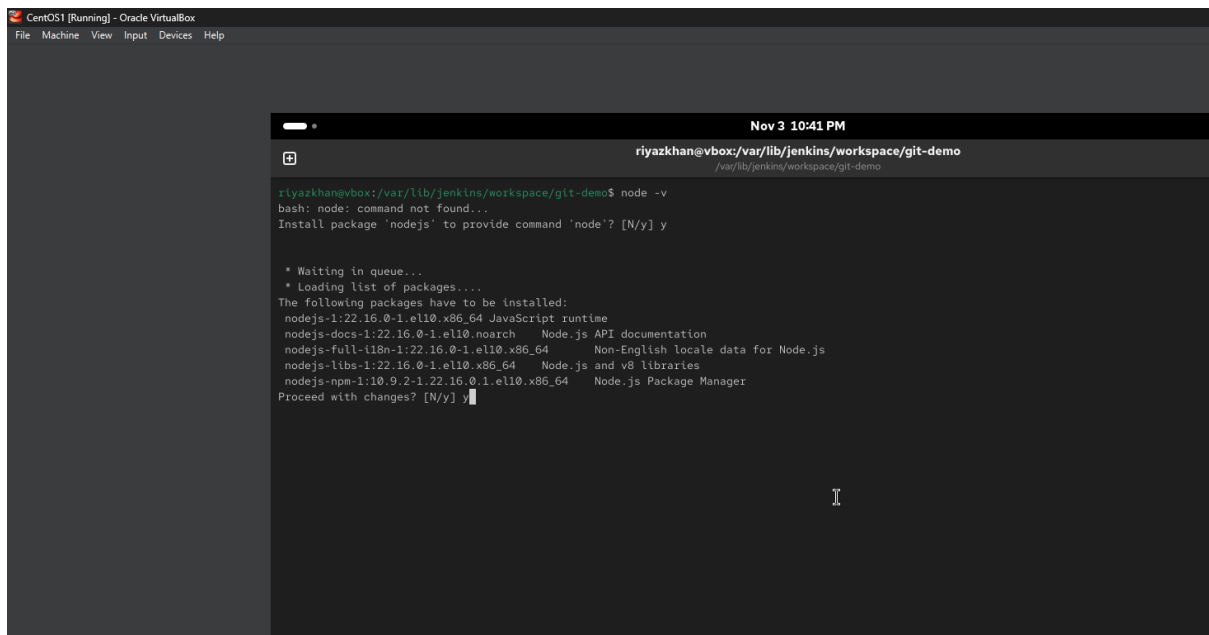
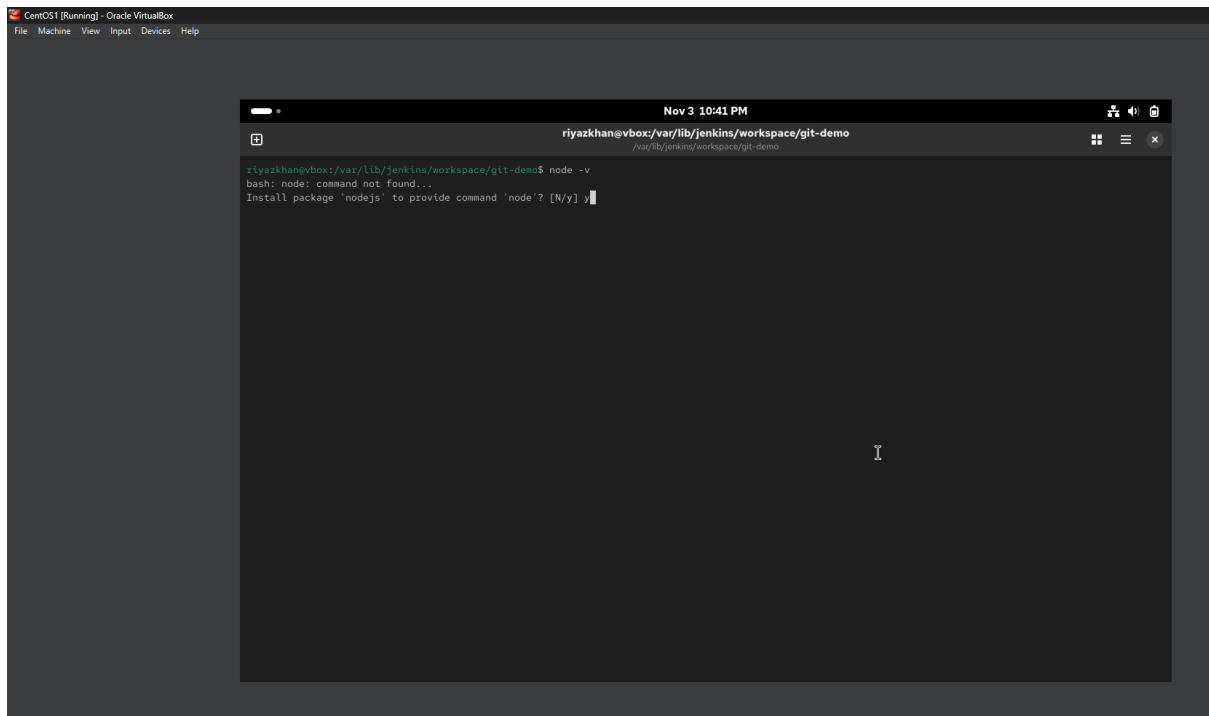
```
CentOS1 [Running] - Oracle VirtualBox
File Machine View Input Devices Help

Nov 3 10:40 PM
riyazkhan@vbox:/var/lib/jenkins/workspace/git-demo
/var/lib/jenkins/workspace/git-demo

riyazkhan@vbox:~$ cd /var/lib/jenkins
riyazkhan@vbox:/var/lib/jenkins$ ls
config.xml                               jenkins.install.UpgradeWizard.state      secret.key
HUDSON.model.UpdateCenter.xml             jenkins.model.JenkinsLocationConfiguration.xml  secret.key.not-so-secret
HUDSON.plugins.git.GitTool.xml            jenkins.telemetry.Correlator.xml          secrets
identity.key.enc                         jobs                                       updates
io.jenkins.plugins.pipelinegraphview.PipelineGraphViewConfiguration.xml  logs                                     userContent
io.jenkins.plugins.thememanager.ThemeManagerPageDecorator.xml              nodeMonitors.xml                        users
jenkins.console.ConsoleUrlProviderGlobalConfiguration.xml                  plugins                                workspace
jenkins.install.InstallUtil.lastExecVersion                                queue.xml
jenkins.install.InstallUtil.lastExecVersion                                queue.xml.bak

riyazkhan@vbox:/var/lib/jenkins$ cd workspace
riyazkhan@vbox:/var/lib/jenkins/workspace$ ls
cron-job  first-job  git-demo
riyazkhan@vbox:/var/lib/jenkins/workspace$ cd git-demo
riyazkhan@vbox:/var/lib/jenkins/workspace/git-demo$ ls
'0 Notes' '17 Event & EventEmitter' '25 Authentication and Authorization' '7 Template Engine'
'0 Pending Learning in NodeJS.txt' '18 REPL' '26 Amazon Lex Integration with Node JS' '8 Dynamic HTML Pages'
'10 MongoDB Basics' '19 MySQL Basics' '27 OpenAI Integration' '9 Middleware'
'11 MongoDB CRUD' '1 NodeJS Basics' '28 Socket IO' index.js
'12 MongoDB API' '20 MySQL API' '2 Sample API' package.json
'13 Mongoose Basics' '21 Sending Mail' '3 Input from CMD' package-lock.json
'14 Mongoose API' '22 Secure App' '4 Express Basics' public
'15 File Upload Using Multer' '23 Cluster' '5 Load Static HTML File using Node JS' vercel.json
'16 OS Module' '24 MongoDB Transaction' '6 Remove Extension from URL'

riyazkhan@vbox:/var/lib/jenkins/workspace/git-demo$
```

```
CentOS1 [Running] - Oracle VirtualBox
File Machine View Input Devices Help

Nov 3 10:43 PM
riyazkhan@vbox:/var/lib/jenkins/workspace/git-demo
/var/lib/jenkins/workspace/git-demo

at Module.require (node:internal/modules/cjs/loader:1487:12)
at require (node:internal/modules/helpers:135:10)
at Object.<anonymous> (/var/lib/jenkins/workspace/git-demo/index.js:1:17)
at Module.compile (node:internal/modules/cjs/loader:1730:14) {
  code: 'MODULE_NOT_FOUND',
  requireStack: [ '/var/lib/jenkins/workspace/git-demo/index.js' ]
}

Node.js v22.16.0
riyazkhan@vbox:/var/lib/jenkins/workspace/git-demo$ npm install express
npm error code EACCES
npm error syscall mkdir
npm error path /var/lib/jenkins/workspace/git-demo/node_modules
npm error errno -13
npm error Error: EACCES: permission denied, mkdir '/var/lib/jenkins/workspace/git-demo/node_modules'
npm error   at async mkdir (node:internal/fs/promises:852:10)
npm error   at async /usr/lib/node_modules_22/npm/node_modules/@npmcli/arborist/lib/arborist/reeify.js:624:20
npm error   at async Promise.allSettled (index 0)
npm error   at async [reeifyPackages] (/usr/lib/node_modules_22/npm/node_modules/@npmcli/arborist/lib/arborist/reeify.js:325:11)
npm error   at async Arborist.reeify (/usr/lib/node_modules_22/npm/node_modules/@npmcli/arborist/lib/arborist/reeify.js:142:5)
npm error   at async Install.exec (/usr/lib/node_modules_22/npm/lib/commands/install.js:150:5)
npm error   at async Npm.exec (/usr/lib/node_modules_22/npm/lib/npm.js:207:9)
npm error   at async module.exports (/usr/lib/node_modules_22/npm/lib/cli/entry.js:74:5) {
  errno: -13,
  code: 'EACCES',
  syscall: 'mkdir',
  path: '/var/lib/jenkins/workspace/git-demo/node_modules'
}
npm error }
npm error The operation was rejected by your operating system.
npm error It is likely you do not have the permissions to access this file as the current user
npm error If you believe this might be a permissions issue, please double-check the
npm error permissions of the file and its containing directories, or try running
npm error the command again as root/Administrator.
npm error A complete log of this run can be found in: /home/riyazkhan/.npm/_logs/2025-11-03T17_13_31_665Z-debug-0.log
riyazkhan@vbox:/var/lib/jenkins/workspace/git-demo$
```

```
CentOS1 [Running] - Oracle VirtualBox
File Machine View Input Devices Help

Nov 3 10:43 PM
riyazkhan@vbox:/var/lib/jenkins/workspace/git-demo
/var/lib/jenkins/workspace/git-demo

v22.16.0
riyazkhan@vbox:/var/lib/jenkins/workspace/git-demo$ ls
'0 About' '17 Event & EventEmitter' '25 Authentication and Authorization' '7 Template Engine'
'0 Pending Learning in NodeJS.txt' '18 REPL' '26 Amazon Lex Integration with Node JS' '8 Dynamic HTML Pages'
'10 MongoDB Basics' '19 MySQL Basics' '27 OpenAI Integration' '9 Middleware'
'11 MongoDB CRUD' '1 NodeJS Basics' '28 Socket IO' index.js
'12 MongoDB API' '20 MySQL API' '2 Sample API' package.json
'13 Mongoose Basics' '21 Sending Mail' '3 Input From CMD' package-lock.json
'14 Mongoose API' '22 Secure App' '4 Express Basics' public
'15 File Upload Using Multer' '23 Cluster' '5 Load Static HTML File using Node JS' vercel.json
'16 OS Module' '24 MongoDB Transaction' '6 Remove Extension from URL'

riyazkhan@vbox:/var/lib/jenkins/workspace/git-demo$ node index.js
node:internal/modules/cjs/loader:1404
  throw err;
  ^

Error: Cannot find module 'express'
Require stack:
- /var/lib/jenkins/workspace/git-demo/index.js
    at Module._resolveFilename (node:internal/modules/cjs/loader:1401:15)
    at defaultResolveImpl (node:internal/modules/cjs/loader:1057:19)
    at resolveForCJSWithHooks (node:internal/modules/cjs/loader:1062:22)
    at Module._load (node:internal/modules/cjs/loader:1211:37)
    at TracingChannel.traceSync (node:diagnostics_channel:322:14)
    at wrapModuleLoad (node:internal/modules/cjs/loader:235:24)
    at Module.require (node:internal/modules/cjs/loader:1487:12)
    at require (node:internal/modules/helpers:135:10)
    at Object.<anonymous> (/var/lib/jenkins/workspace/git-demo/index.js:1:17)
    at Module.compile (node:internal/modules/cjs/loader:1730:14) {
  code: 'MODULE_NOT_FOUND',
  requireStack: [ '/var/lib/jenkins/workspace/git-demo/index.js' ]
}

Node.js v22.16.0
riyazkhan@vbox:/var/lib/jenkins/workspace/git-demo$ npm install express
npm error code EACCES
npm error syscall mkdir
npm error path /var/lib/jenkins/workspace/git-demo/node_modules
```