

Cloud Computing Lab 7 Report

1 Setting Up Jenkins

```

[ubuntu@ip-172-31-25-203 ~]$ cat /var/log/jenkins/jenkins.log | tail -n 60
2021-03-02 05:42:38.955-0800 [id=26] INFO Jenkins.InitReactorRunner$1$onAttained: System config adapted
2021-03-02 05:42:38.956-0800 [id=26] INFO Jenkins.InitReactorRunner$1$onAttained: Loaded all jobs
2021-03-02 05:42:38.957-0800 [id=26] INFO Jenkins.InitReactorRunner$1$onAttained: Configuration for all jobs updated
2021-03-02 05:42:39.001-0800 [id=42] INFO Hudson.model.AsyncPeriodicWork$Lambda$doRun$: Started Download metadata#2021-03-02 05:42:39.957+0800 [id=42]
2021-03-02 05:42:39.002-0800 [id=42] INFO Hudson.util.ActionCheckUpdateServer $! so do the action check updates server
2021-03-02 05:42:40.251-0800 [id=26] INFO o.s.c.s.AbstractApplicationContext$PrepareRefresh: Refreshing org.springframework.web.context.support.Static
WebApplicationContext$Z2B19H4Q2:: display name [Root WebApplicationContext], startup date [Tue Mar 02 05:42:40 UTC 2021]; root of context hierarchy
2021-03-02 05:42:40.251-0800 [id=26] INFO o.s.c.s.AbstractApplicationContext$ToBeanRefreshBeanFactory: Bean factory for application context [org.springf
ramework.beans.factory.support.DefaultListableBeanFactory$Z2B19H4Q2:: org.springframework.beans.factory.support.DefaultListableBeanFactory$1$e4ee3a
2021-03-02 05:42:40.262-0800 [id=26] INFO o.s.b.f.s.DefaultListableBeanFactory$PreInstantiateSingletons: Pre-instantiating singletons in org.springfra
mework.beans.factory.support.DefaultListableBeanFactory$1$e4ee3a; defining beans [authenticationManager]; root of factory hierarchy
2021-03-02 05:42:40.374-0800 [id=26] INFO o.s.c.s.AbstractApplicationContext$PrepareRefresh: Refreshing org.springframework.web.context.support.Static
WebApplicationContext$U043926967: display name [Root WebApplicationContext], startup date [Tue Mar 02 05:42:40 UTC 2021]; root of context hierarchy
2021-03-02 05:42:40.391-0800 [id=26] INFO o.s.c.s.AbstractApplicationContext$ToBeanRefreshBeanFactory: Bean factory for application context [org.springf
amework.beans.factory.support.DefaultListableBeanFactory$U043926967:: org.springframework.beans.factory.support.DefaultListableBeanFactory$6d6d56ce
2021-03-02 05:42:40.529-0800 [id=26] INFO o.s.b.f.s.DefaultListableBeanFactory$PreInstantiateSingletons: Pre-instantiating singletons in org.springfra
mework.beans.factory.support.DefaultListableBeanFactory$6d6d56ce; defining beans [filter, legacy]; root of factory hierarchy
2021-03-02 05:42:40.963-0800 [id=26] INFO Jenkins.install.SetupWizard$Init:

*****
Jenkins initial setup is required. An admin user has been created and a password generated.
Please use the following password to proceed to installation:

61bacb57fba391c68586de#c82ze19r

This may also be found at: https://jenkins_home/secrets/initialAdminPassword

*****

2021-03-02 05:42:46.664-0800 [id=37] INFO Jenkins.InitReactorRunner$1$onCompleted: Completed initialization
2021-03-02 05:42:46.694-0800 [id=20] INFO Hudson.WebMain$StartRun: Jenkins is fully up and running
2021-03-02 05:42:46.825-0800 [id=42] INFO h.m.DownloadService$DownloadJob: Obtained the updated data file for Hudson.tasks.Maven.MavenInstaller
2021-03-02 05:42:46.826-0800 [id=42] INFO Hudson.util.RetryStrategy: Performed the action check updates server successfully at the attempt #1
2021-03-02 05:42:46.829-0800 [id=42] INFO Hudson.model.AsyncPeriodicWork$Lambda$doRun$: Finished Download metadata, 7.815 ms
```

Figure 1: Running Docker container with Jenkins

2 Setting up a job in Jenkins

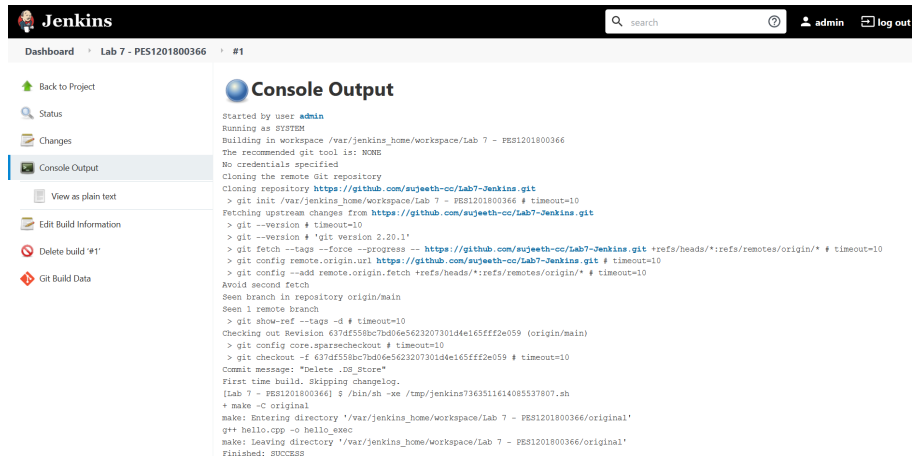


Figure 2: Console Output after successful build

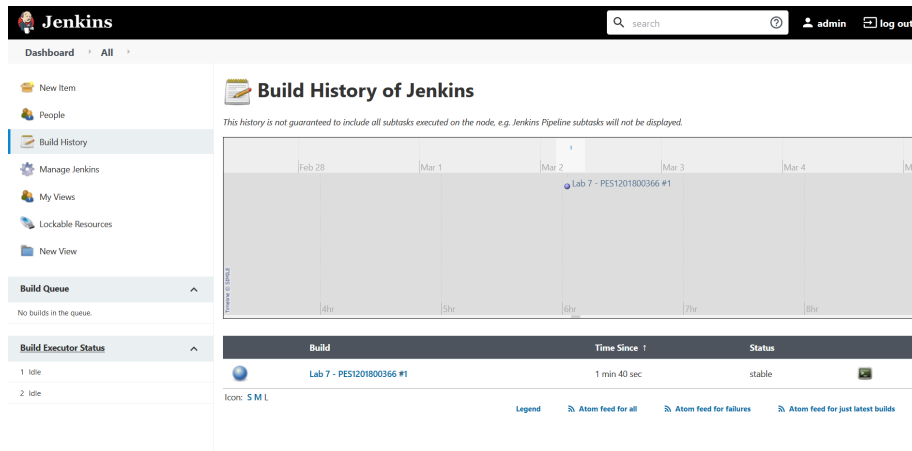


Figure 3: All build tasks in stable state

3 Setting up second job to automatically run after Project builds

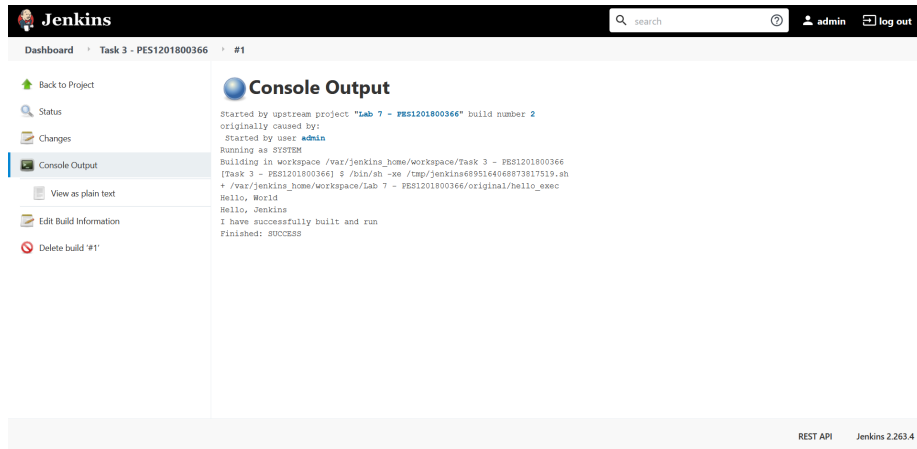


Figure 4: Console Output of second job

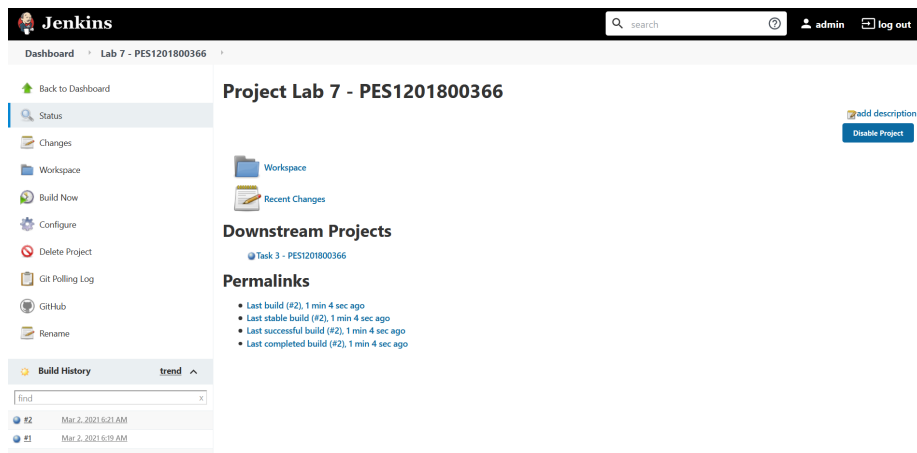


Figure 5: Status page of first job

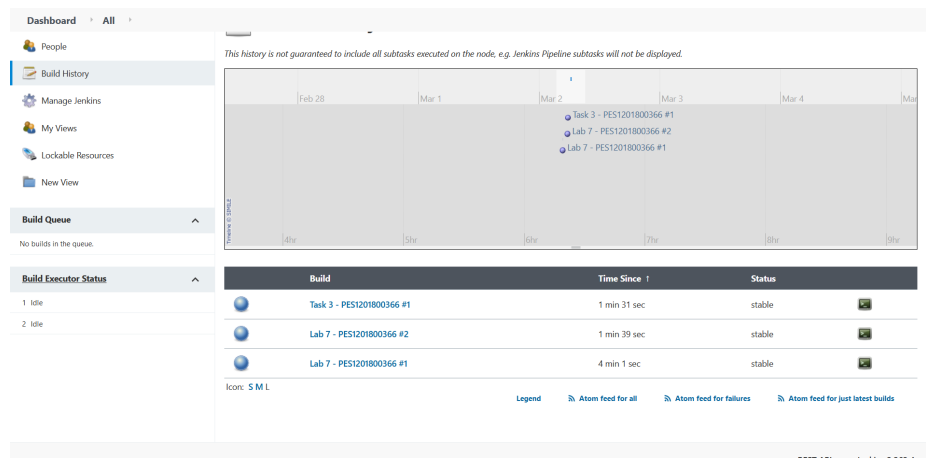


Figure 6: Jenkins build history

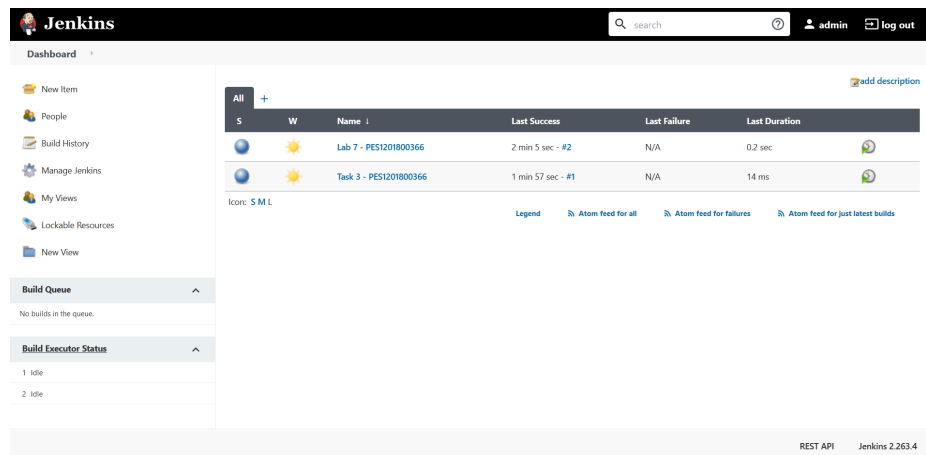


Figure 7: Jenkins Dashboard