

## 1. Build Job that creates a text file containing your name on your desktop.

Configuration:

### Build Steps

≡ Execute shell ?

Command

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

```
touch file.txt
echo $text_to_write >> file.txt
```

Advanced...

Output:

Started by user sarah kossmann

Running as SYSTEM

Building on the built-in node in workspace /Users/sarahkossmann/.jenkins/workspace/

create\_text\_file\_w\_content

[WS-CLEANUP] Deleting project workspace...

[WS-CLEANUP] Deferred wipeout is used...

[WS-CLEANUP] Done

[create\_text\_file\_w\_content] \$ /bin/sh -xe /var/folders/r6/1vq1r68933g9dv5d20by5xp80000gn/T/jenkins3245859840227784401.sh

+ touch file.txt

+ echo shalom 2

Finished: SUCCESS

## 2. Build job that will read your text file, and print its content.

Configuration:

### Build Steps

≡ Execute shell ?

Command

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

```
cat /Users/sarahkossmann/.jenkins/workspace/create-text-file-w-content/file.txt
```

Advanced...

Add build step ▾

## Output:

Started by user sarah kossmann

Running as SYSTEM

Building on the built-in node in workspace /Users/sarahkossmann/.jenkins/workspace/read-file

[read-file] \$ /bin/sh -xe /var/folders/r6/1vq1r68933g9dv5d20by5xp80000gn/T/

jenkins12814788607143049139.sh

+ cat /Users/sarahkossmann/.jenkins/workspace/create-text-file-w-content/file.txt

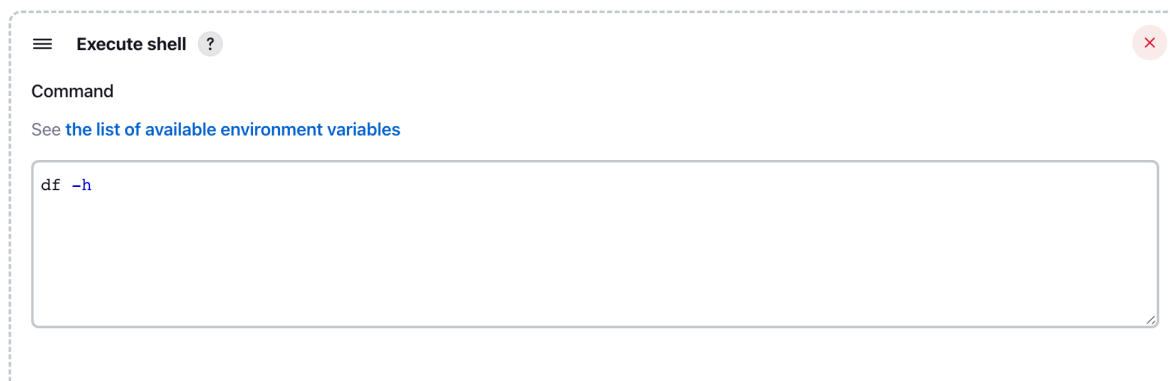
shalom from Jenkins

Finished: SUCCESS

## 3. Build job that prints the free disk space.

## Configuration:

### Build Steps



## Output:

Started by user sarah kossmann

Running as SYSTEM

Building on the built-in node in workspace /Users/sarahkossmann/.jenkins/workspace/free-disk-space-info

[free-disk-space-info] \$ /bin/sh -xe /var/folders/r6/1vq1r68933g9dv5d20by5xp80000gn/T/

jenkins228553299636170477.sh

+ df -h


Filesystem	Size	Used	Avail	Capacity	iused	ifree	%iused	Mounted on
/dev/disk1s1s1	234Gi	22Gi	123Gi	16%	500637	1292189120	0%	/
devfs	191Ki	191Ki	0Bi	100%	662	0	100%	/dev
/dev/disk1s4	234Gi	1.0Gi	123Gi	1%	2	1292189120	0%	/System/Volumes/VM
/dev/disk1s2	234Gi	257Mi	123Gi	1%	791	1292189120	0%	/System/Volumes/Preboot
/dev/disk1s6	234Gi	102Mi	123Gi	1%	402	1292189120	0%	/System/Volumes/Update
/dev/disk1s5	234Gi	86Gi	123Gi	42%	1096504	1292189120	0%	/System/Volumes/Data
map auto_home	0Bi	0Bi	0Bi	100%	0	0	100%	/System/Volumes/Data/home
/dev/disk1s1	234Gi	22Gi	123Gi	16%	502050	1292189120	0%	/System/Volumes/Update/mnt1
/dev/disk3	10Mi	6.3Mi	3.6Mi	64%	512	0	100%	/Volumes/SETTING
/dev/disk2	1.5Gi	225Mi	1.3Gi	15%	0	0	100%	/Volumes/READER

Finished: SUCCESS

## 4. Build job that moves your text file into another directory

### Configuration:

#### Build Steps

 **Execute shell** 

Command

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

```
mkdir directory
mv /Users/sarahkossmann/.jenkins/workspace/create-text-file-w-content/file.txt directory
```

### Output:

Started by user sarah kossmann

Running as SYSTEM

Building on the built-in node in workspace /Users/sarahkossmann/.jenkins/workspace/move-file-to-dir

[move-file-to-dir] \$ /bin/sh -xe /var/folders/r6/1vq1r68933g9dv5d20by5xp80000gn/T/

jenkins13850933170084655027.sh

+ mkdir directory

+ mv /Users/sarahkossmann/.jenkins/workspace/create-text-file-w-content/file.txt directory


Finished: SUCCESS

## 5. Create a job that runs once a day at 8:00

### Configuration:

#### Build Triggers

☐ Trigger builds remotely (e.g., from scripts) 

☐ Build after other projects are built 

☒ Build periodically 

Schedule 

```
0 8 ***
```

### Output:

Started by user sarah kossmann

Running as SYSTEM

Building on the built-in node in workspace /Users/sarahkossmann/.jenkins/workspace/daily-run-at-8

[daily-run-at-8] \$ /bin/sh -xe /var/folders/r6/1vq1r68933g9dv5d20by5xp80000gn/T/

jenkins4842356630395875585.sh

+ echo hello

hello

Finished: SUCCESS

## **6. Create a declarative Jenkins pipeline which will perform exercises 1-4 in 4 stages.**

### **Configuration:**

```
pipeline {
  agent any

  stages {
    stage('Create text file and write content') {
      steps {
        build 'create-text-file-w-content'
      }
    }
    stage('Read text file') {
      steps {
        build 'read-file'
      }
    }
    stage('Print free space on my disk') {
      steps {
        build 'free-disk-space-info'
      }
    }
    stage('Move file into a directory') {
      steps {
        build 'move-file-to-dir'
      }
    }
  }
}
```

### **Output:**

Started by user sarah kossmann

[Pipeline] Start of Pipeline

[Pipeline] node

Running on Jenkins

in /Users/sarahkossmann/.jenkins/workspace/pipeline-run-jobs

[Pipeline] {

[Pipeline] stage

[Pipeline] { (Create text file and write content)

[Pipeline] build (Building create-text-file-w-content)

Scheduling project: create-text-file-w-content

Starting building: create-text-file-w-content #11

```
[Pipeline] }  
[Pipeline] // stage  
[Pipeline] stage  
[Pipeline] { (Read text file)  
[Pipeline] build (Building read-file)  
Scheduling project: read-file
```

Starting building: read-file #6

```
[Pipeline] }  
[Pipeline] // stage  
[Pipeline] stage  
[Pipeline] { (Print free space on my disk)  
[Pipeline] build (Building free-disk-space-info)  
Scheduling project: free-disk-space-info
```

Starting building: free-disk-space-info #3

```
[Pipeline] }  
[Pipeline] // stage  
[Pipeline] stage  
[Pipeline] { (Move file into a directory)  
[Pipeline] build (Building move-file-to-dir)  
Scheduling project: move-file-to-dir
```

Starting building: move-file-to-dir #3

```
[Pipeline] }  
[Pipeline] // stage  
[Pipeline] }  
[Pipeline] // node  
[Pipeline] End of Pipeline  
Finished: SUCCESS
```

## **7. Create a Jenkins Pipeline (New [?](#) Pipeline) running your Selenium test using the below template:**

Configuration:

```
pipeline {  
  agent any  
  stages {  
    stage('test') {  
      steps {  
        dir('/Users/sarahkossmann/PycharmProjects/Devops_projects/09.14') {  
          sh 'python 14.09_assignment.py'  
        }  
      }  
    }  
  }  
}
```

## Output:

Started by user sarah kossmann

[Pipeline] Start of Pipeline

[Pipeline] node

Running on Jenkins in /Users/sarahkossmann/.jenkins/workspace/run-python-script

[Pipeline] {

[Pipeline] stage

[Pipeline] { (test)

[Pipeline] dir

Running in /Users/sarahkossmann/PycharmProjects/Devops\_projects/09.14

[Pipeline] {

[Pipeline] sh

+ python 14.09\_assignment.py

14.09\_assignment.py:12: DeprecationWarning: executable\_path has been deprecated, please pass in a Service object

chrome\_driver = webdriver.Chrome("/Users/sarahkossmann/Desktop/chromedriver",  
options=chrome\_options)

[Pipeline] }

[Pipeline] // dir

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] // node



[Pipeline] End of Pipeline


Finished: SUCCESS

## Challenge:

**Run your second build job automatically once your first build job is done.**

### Post-build Actions

 **Build other projects** 



Projects to build

read-file

☒ Trigger only if build is stable

☐ Trigger even if the build is unstable

☐ Trigger even if the build fails

Add post-build action ▾