

Docker Image Creation using Docker-Compose

1

```
services:
  jenkins:
    image: jenkins/jenkins:2.254
    ports:
      - "9080:8080"
    volumes:
      - ./jenkins_home_on_host:/var/jenkins_home
    # using a bind mount to the host `./jenkins_home` means I can easily peruse the jenkins_home files
    restart: unless-stopped
    # a named volume is fine too - jenkins_home:/var/jenkins_home

# I like docker-compose because I can easily spin up multiple apps like a test email server alongside
mails:
  image: mailhog/mailhog
  restart: unless-stopped
```

Docker Compose File

2

```
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  jenkins:
    image: jenkins/jenkins:2.254
    ports:
      - "9080:8080"
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    # using a bind mount to the host `./jenkins_home` means I can easily peruse the jenkins_home files
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# I like docker-compose because I can easily spin up multiple apps like a test email server alongside
mails:
  image: mailhog/mailhog
  restart: unless-stopped
```

Container jenkins will be copied to localhost

Test mail server

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

bc9f41b0b41546f89282a840247cb003

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

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```
wesdemos@bpy16:~/jgs/dockers/compose$ ls
docker-compose.yml
wesdemos@bpy16:~/jgs/dockers/compose$ docker-compose up
```

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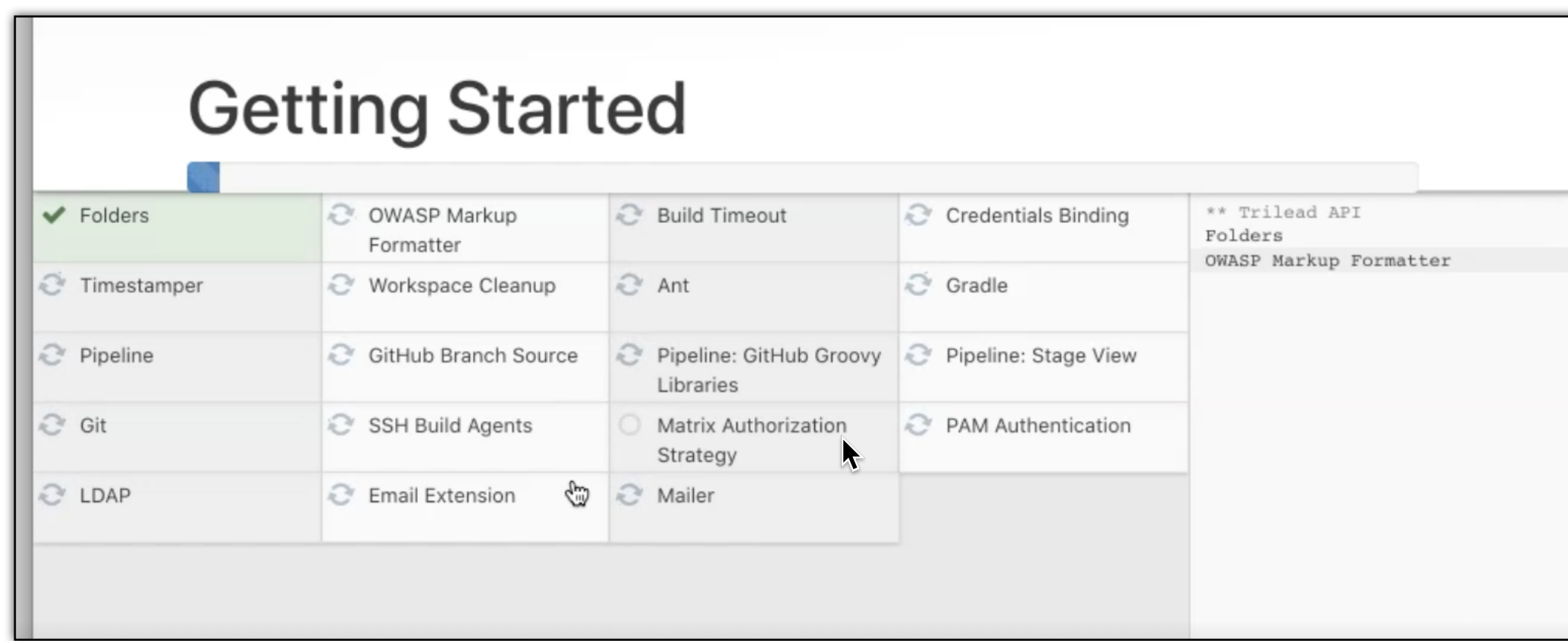
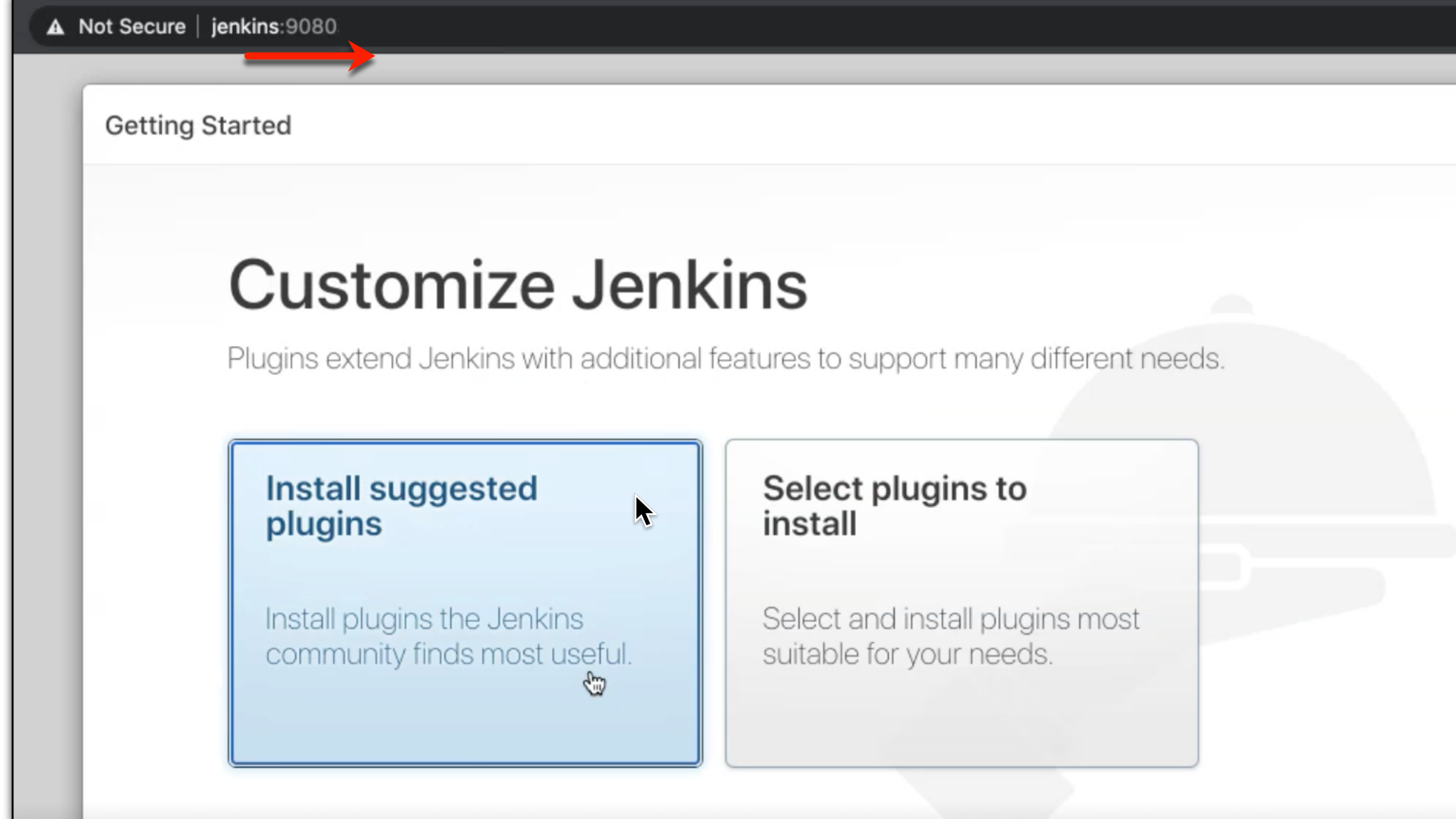
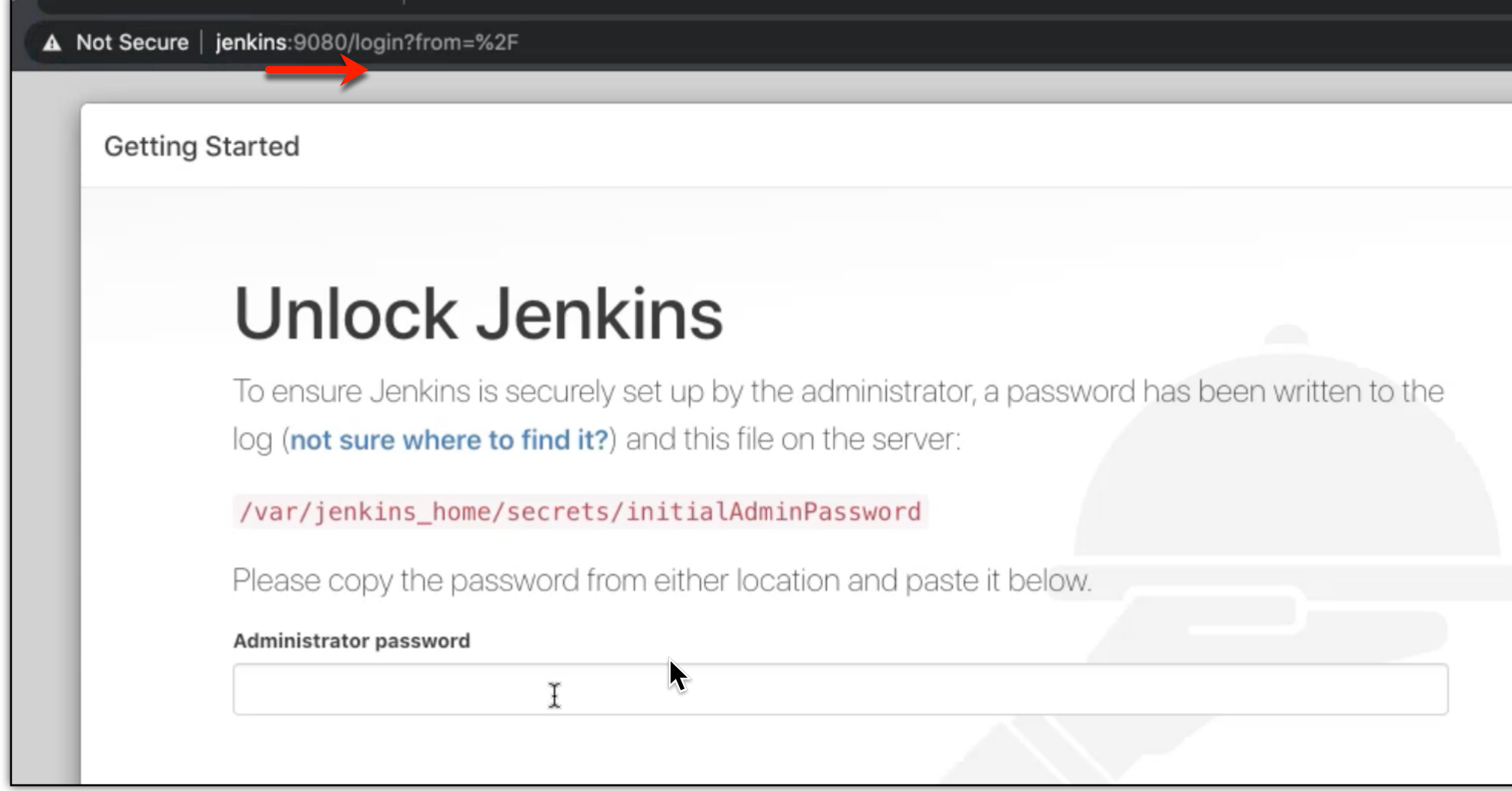
```
2020-09-04 08:44:49.592+0000 [id=27] INFO o.s.b.f.s.DefaultListableBeanFactory#preInstantiateSingletons: Pre-instantiating singletons in org.springframework.beans.factory.support.DefaultListableBeanFactory@5cfa7b3f: defining beans [filter,legacy]; root of factory hierarchy
2020-09-04 08:44:50.240+0000 [id=27] 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:
f9528c28fdb846128396a33ef7d7deaa

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

*****
*****
*****
```



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Create First Admin User

Username:

Password:

Confirm password:

Full name:

E-mail address:

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Instance Configuration

Jenkins URL:

The Jenkins URL is used to provide the root URL for absolute links to various Jenkins resources. That means this value is required for proper operation of many Jenkins features including email notifications, PR status updates, and the BUILD_URL environment variable provided to build steps.

The proposed default value shown is not saved yet and is generated from the current request, if possible. The best practice is to set this value to the URL that users are expected to use. This will avoid confusion when sharing or viewing links.

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Jenkins is ready!

Your Jenkins setup is complete.

[Start using Jenkins](#)

