



We are so glad that you will be joining us for a hands-on Match Workshop! There are a few options to participate in the session:

- **INSTALL:** Install Match and work with it directly (and keep your work afterward)  
^^ **RECOMMENDED!**
- **COLLABORATE:** Plan to pair up with another participant to collaboratively work through the examples (Requires at least some of you install Match!!)
- **LISTEN ONLY:** You will still get plenty from the session if you decide to follow along as we work the examples.

## INSTALLING MATCH

*Go on! Give it a try!*

There are two suggested methods for installing Match.

### Containers all the way! Install from a container

Follow the instructions at:

<https://github.internet2.edu/COmanage/docker/blob/main/comanage-match/docs/evaluation.md>

#### NOTE!

These instructions are for evaluation/training purposes only. They are not suitable for a production install.

RECOMMENDED SKILLS	INSTALLATION TIPS
<ul style="list-style-type: none"> <li>● Familiarity with GitHub cloning</li> <li>● Comfort with the command line</li> <li>● Light Docker familiarity</li> </ul>	<ul style="list-style-type: none"> <li>● If you are new to GitHub and Docker, or just don't use these tools daily, try <a href="#">these instructions</a> instead.</li> </ul>

### Just give me the bits! Install without a container

Follow the instructions at:

<https://spaces.at.internet2.edu/display/COmanage/Match+Installation>

RECOMMENDED SKILLS	INSTALLATION TIPS
<ul style="list-style-type: none"> <li>● Comfort with PHP</li> <li>● Comfort with web server configurations</li> <li>● Comfort with git</li> <li>● Comfort with basic auth</li> </ul>	<ul style="list-style-type: none"> <li>● If you do not already have PHP or a web server available to you, the Container install may be preferable.</li> </ul>



# Match Installation for Occasional Terminal/ GitHub/ Docker users

These instructions are an alternative to the [Container instructions](#) above. It basically follows the same instructions, but assumes no prior familiarity with the referenced tools.

## Install your tools

You will need access to GitHub and Docker Compose to run Match in a container. This section describes how to install the desktop applications for these two tools.

- **GITHUB:** Install [GitHub desktop](#)
- **DOCKER:** Install [Docker Desktop](#). Note that this application will install both Docker and Docker Compose, both of which are necessary for these installation instructions.

## Get the Match Repository

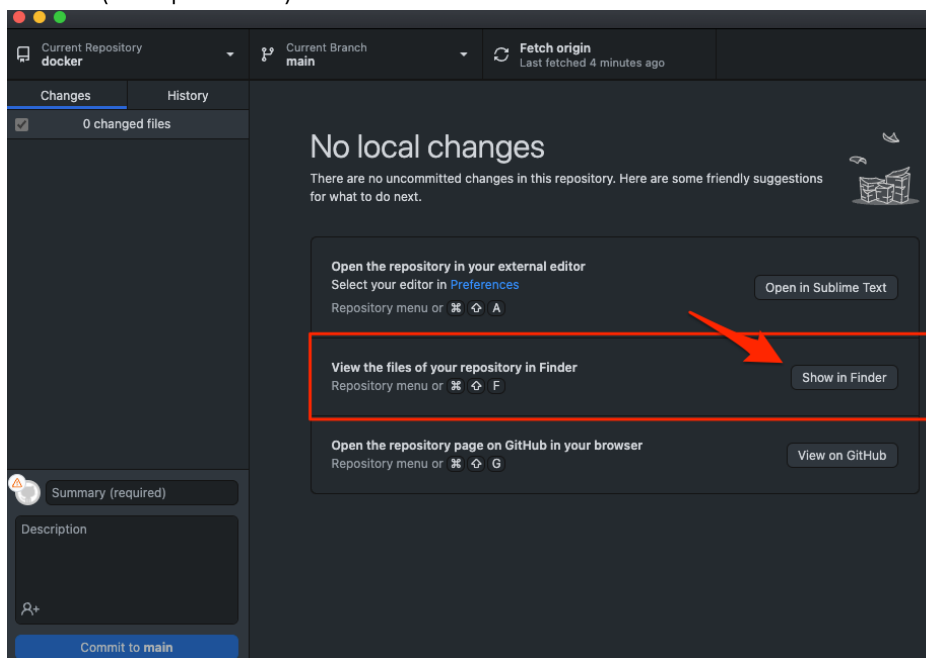
With these instructions, you will be downloading (cloning) files with instructions on how to build Match inside of a Docker container. These files are located inside of a Github repository.

1. Open GitHub desktop that you installed in a previous step
2. Clone the repository using the following [instructions from GitHub](#). When you clone, you will be using the URL method to select the following repository to clone:

```
https://github.internet2.edu/COmanage/docker.git
```

You will need to set a “Local Path” when you clone the repository. This is the location on your computer where the files will reside. You will need to know where this is!!! The next steps will require you to navigate to this folder.

3. Click the “Clone” button to clone the repository. Once the command has finished, GitHub Desktop will look something like the following. You may click the “Show in finder” (or equivalent) button to see where the files are.





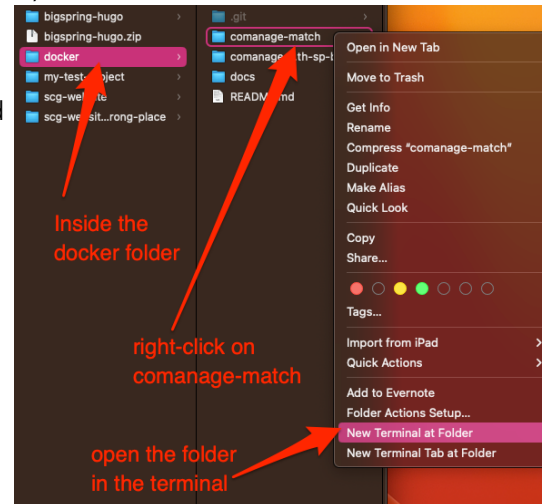
## Add the email-attached .yml file to the folder

1. If you haven't already, open the `docker` folder on your computer (perhaps by clicking the "Show in Finder" button as described above).
2. Open the `comanage-match` sub folder and add the `docker-compose.yml` file that was attached to the email. (just copy or save it into the folder)

## Navigate to this folder on the command line

Open a command or terminal window on your computer and use commands to navigate to the folder, `comanage-match` inside the `docker` folder. In case you need them, [Windows tutorial](#), [Mac tutorial](#).

If you're on a Mac, you also open the `docker` folder and right click on the `comanage-match` folder. This action will display a menu. Select "New Terminal at Folder" from the menu appears



## Run some commands to set everything up

You are now going to set some parameters and build COManage Match inside of a container using the files that you have downloaded. You will need to be in the right folder on the command line (`comanage-match`) for all of these to work. ALSO, It is possible that copying and pasting the commands from this file may not produce the right results, so we've prepared a text-only file for you to copy and paste from in case it's helpful.

### Set the Match Version

Type the following command

```
export COMANAGE_MATCH_VERSION=1.0.0
```

### Build the base COManage Match Image

Type the following 3 commands (the second one may take a bit of time)

```
pushd comanage-match-base
docker build --build-arg COMANAGE_MATCH_VERSION=${COMANAGE_MATCH_VERSION} -t
comanage-match-base:${COMANAGE_MATCH_VERSION}-1 .
popd
```

### Build the Match that uses basic auth

Type the following 3 commands (the second one may take a bit of time)

```
pushd comanage-match-basic-auth
docker build --build-arg COMANAGE_MATCH_VERSION=${COMANAGE_MATCH_VERSION} -t
comanage-match:${COMANAGE_MATCH_VERSION}-basic-auth .
popd
```



## Build a local image of PostgreSQL

Type the following 3 commands (the second one may take a bit of time)

```
pushd comanage-match-postgres

docker build -t comanage-match-postgres .

popd
```

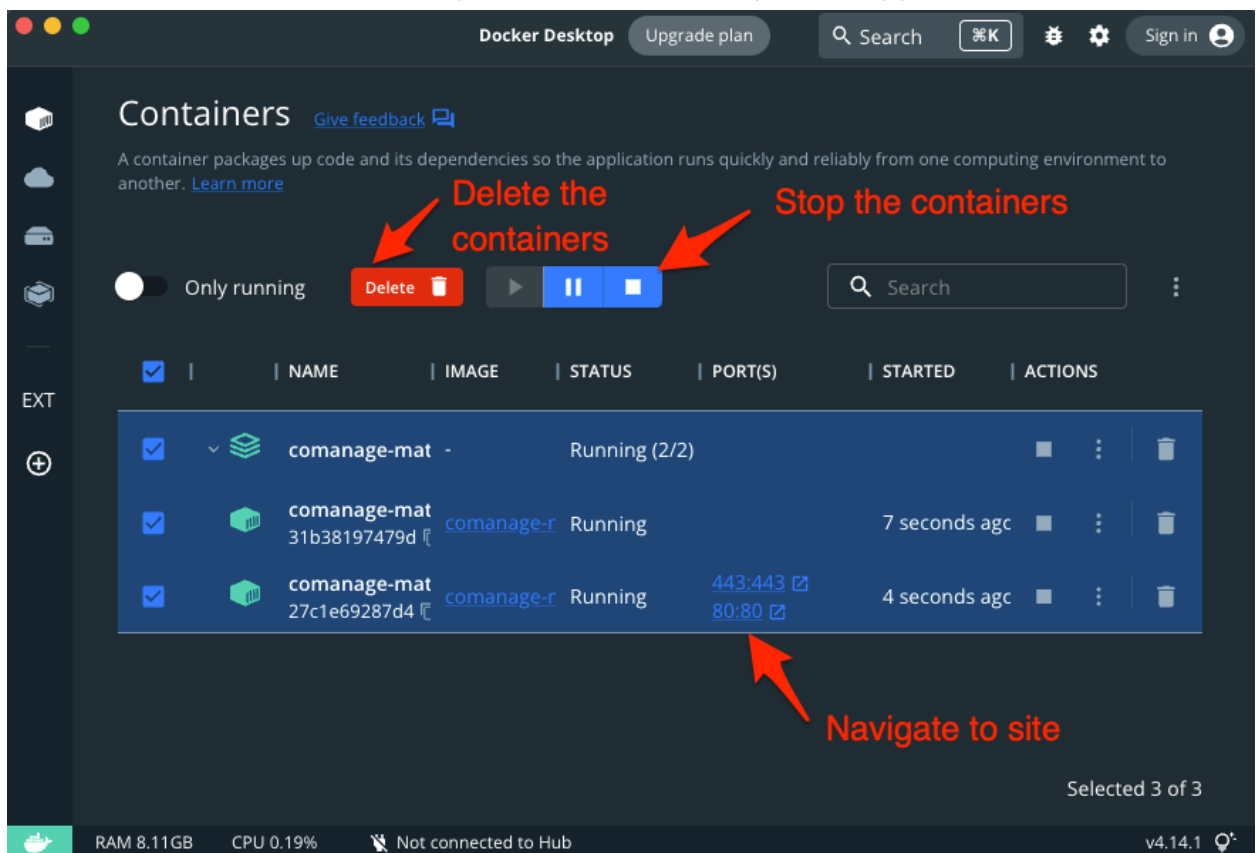
## Start the services

You are now going to start running COmanage Match in the Docker Container.

1. Open Docker Desktop on your computer (keep the command line window open. You'll still need it)
2. On the command line (and still in the `comanage-match` folder), type the following command to start the services:

```
docker-compose up -d
```

3. Look at the Docker Desktop on your computer. You should see the COmanage Match containers running, and should see a link to navigate to the Match application (use 80:80 - we didn't install SSL certs...). Click on this link to open the app.



4. Sign in. You will use USER NAME: `match.admin`; PASSWORD: `password` [I know. So (not) secure.]



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5. DONE? Be sure to stop all of the containers - click the square (stop) button in Docker desktop to do so. You can remove the containers by clicking on the garbage cans.