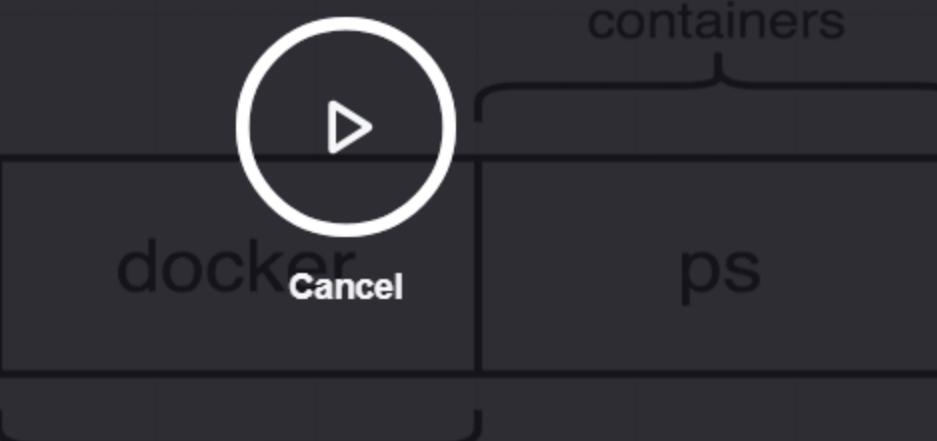


List all running containers

Up next

15. Container Lifecycle



15. Container Lifecycle
→ prod git:(master)

1. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (zsh)

}



udemy



1. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (zsh)

→ prod git:(master) docker ps --all



1. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (zsh)

```
Exited (0) About an hour ago  
a974660f3598      hello-world  
    Created  
426b15dd12e1      busybox  
    Exited (0) About an hour ago  
901fb07f2784      hello-world  
    Exited (0) 2 minutes ago  
b6169d5308e4      busybox  
    Exited (0) About an hour ago  
20163daa7efc      hello-world  
    Exited (0) 2 hours ago  
afae0cf173b0      busybox  
    Exited (0) 2 hours ago  
68da832670f4      hello-world  
    Exited (0) 2 hours ago  
35f1caaf0a14      hello-world  
    Exited (0) 3 hours ago  
5c2b5b9d2f90      hello-world  
    Exited (0) 3 hours ago  
→ prod git:(master) ┌─
```

```
musing_goldwasser          About an hour ago  
"echo hi there"           nervous_leavitt  
"echo hi there"           suspicious_wozniak  
"/hello"                  xenodochial_dijkstra  
"sh"                      blissful_zhukovsky  
"/hello"                  unruffled_mirzakhani  
"sh"                      agitated_lamport  
"/hello"                  infallible_fermi  
"/hello"                  quirky_golick  
"/hello"                  unruffled_shaw
```



Stephen

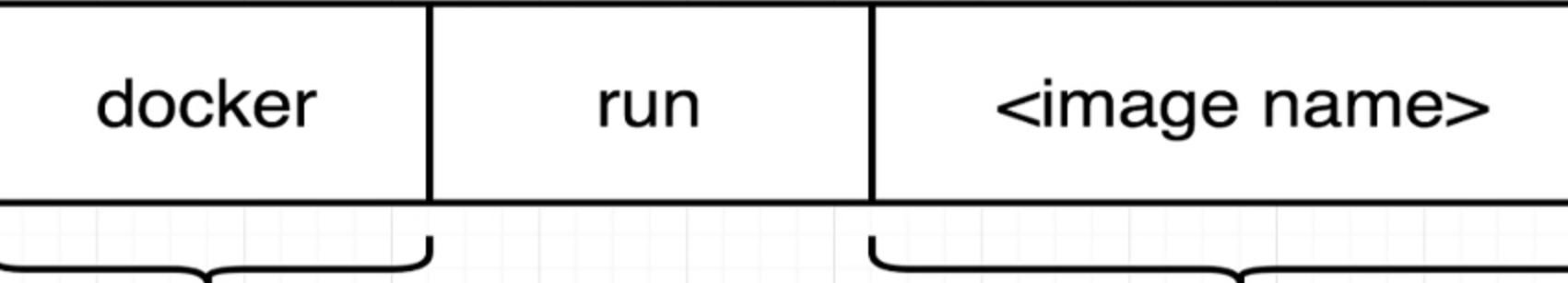
File Edit View Arrange Extras Help

Unsaved changes. Click here to save.

Stephen Grider

Creating and Running a Container from an Image

Try to create
and run a
container



Reference the
Docker Client

Name of image to
use for this container



Stephen

Secure | https://www.draw.io/?mode=github#HStephenGrider%2FDockerCasts%2Fmaster%2Fdiagrams%2F02%2Fdiagrams.xml



File Edit View Arrange Extras Help Unsaved changes. Click here to save.

Stephen Grider

docker run

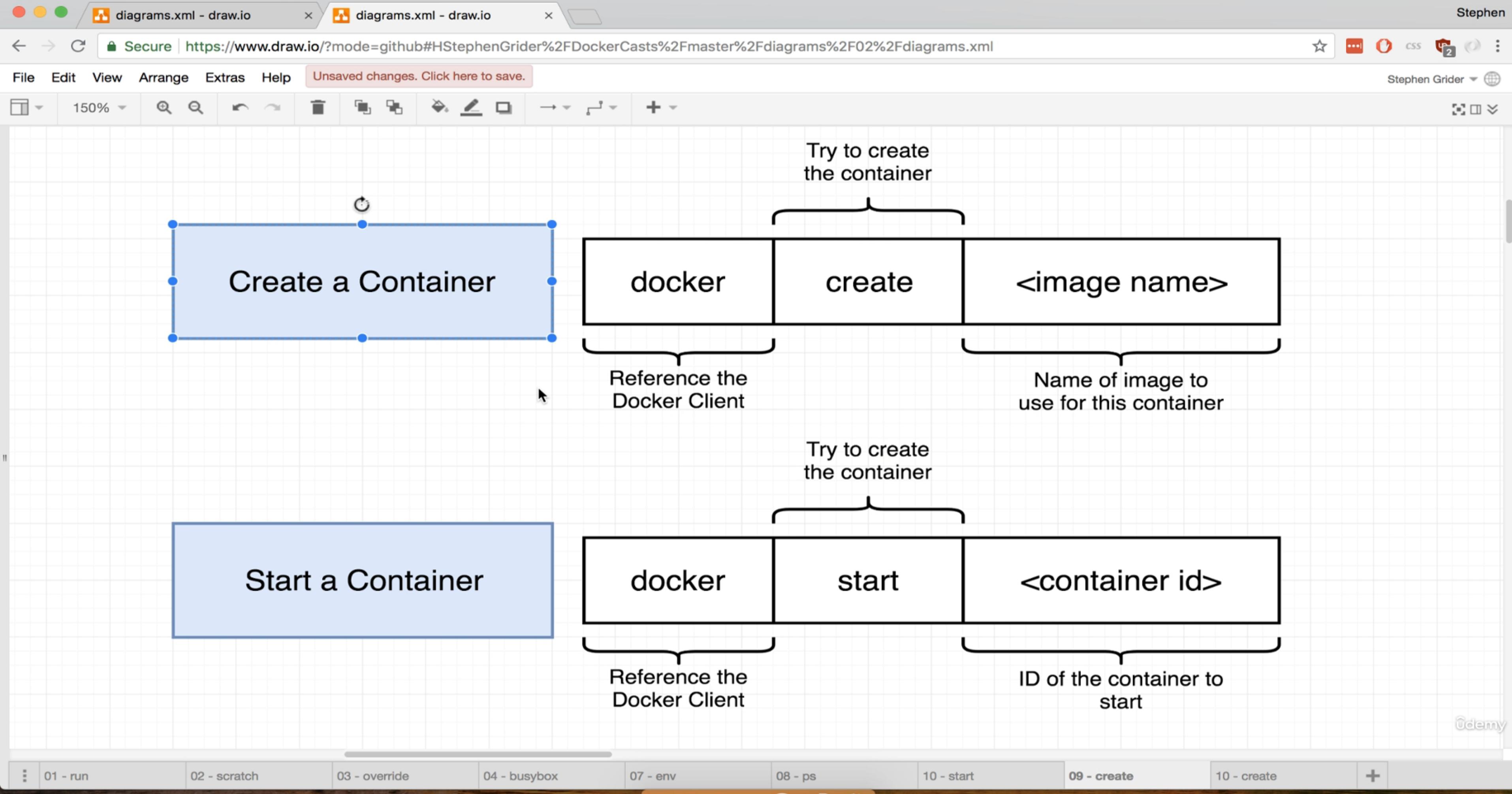
=

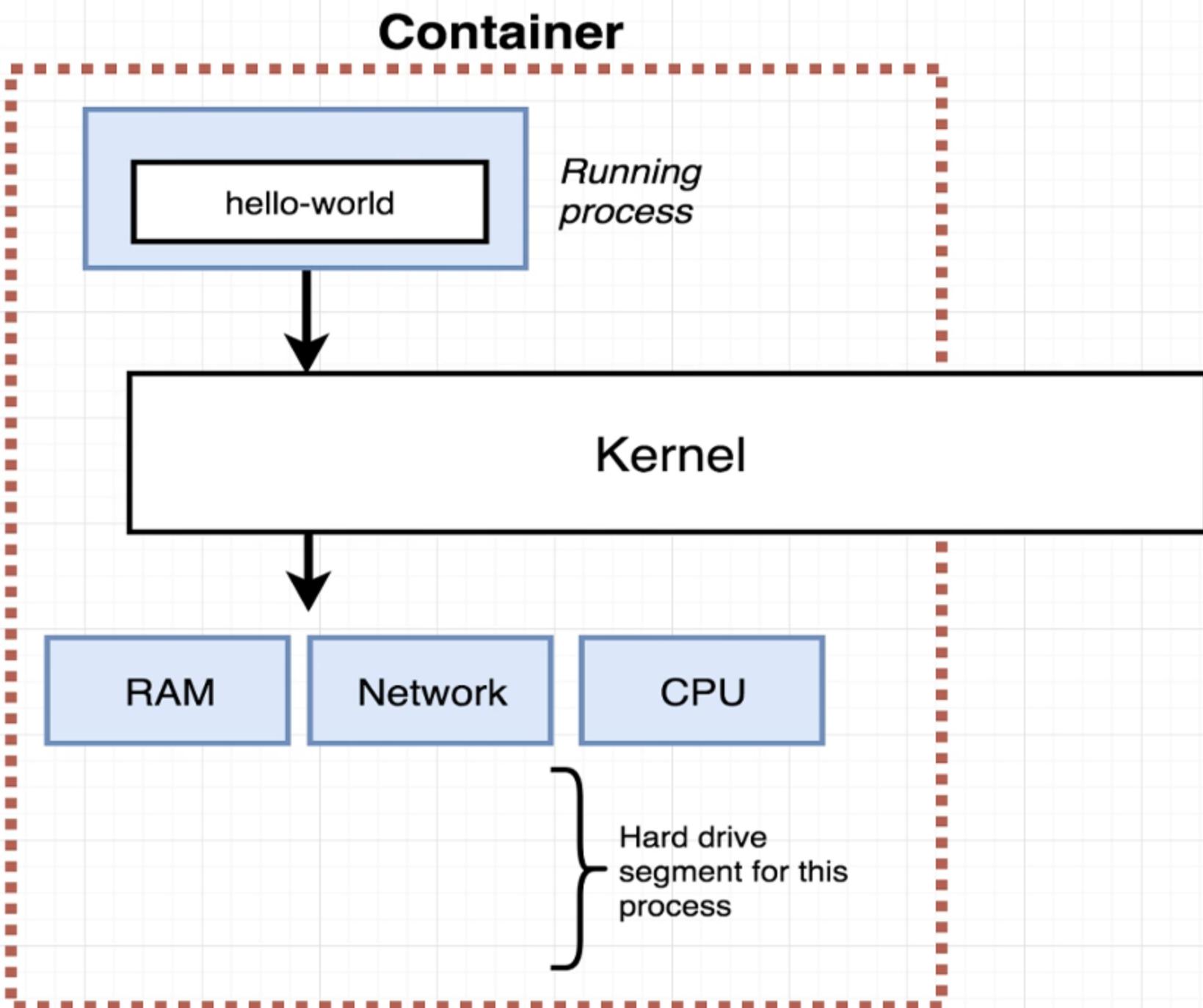
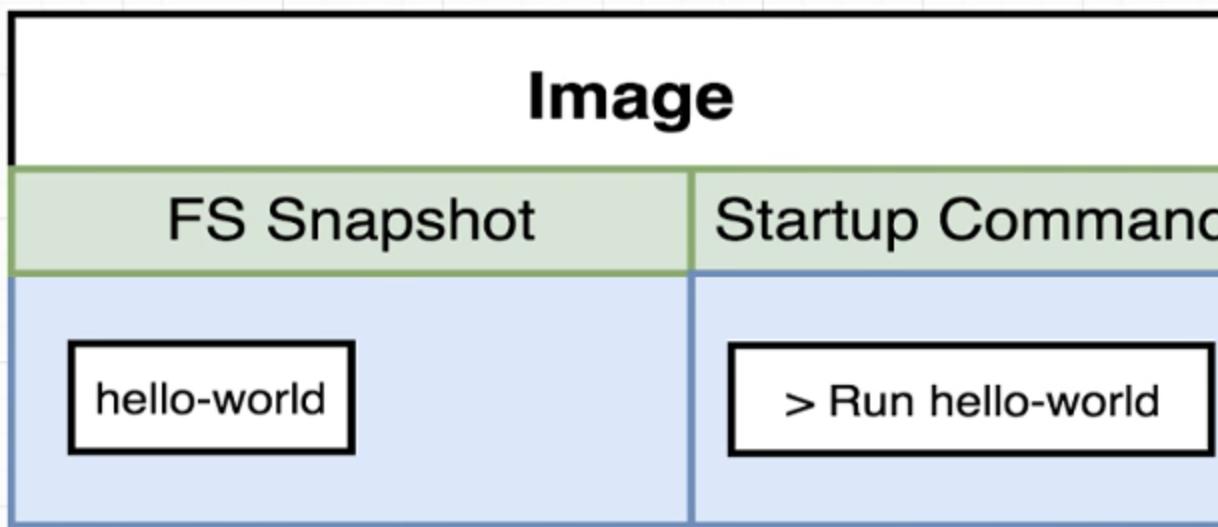
docker create

+

docker start

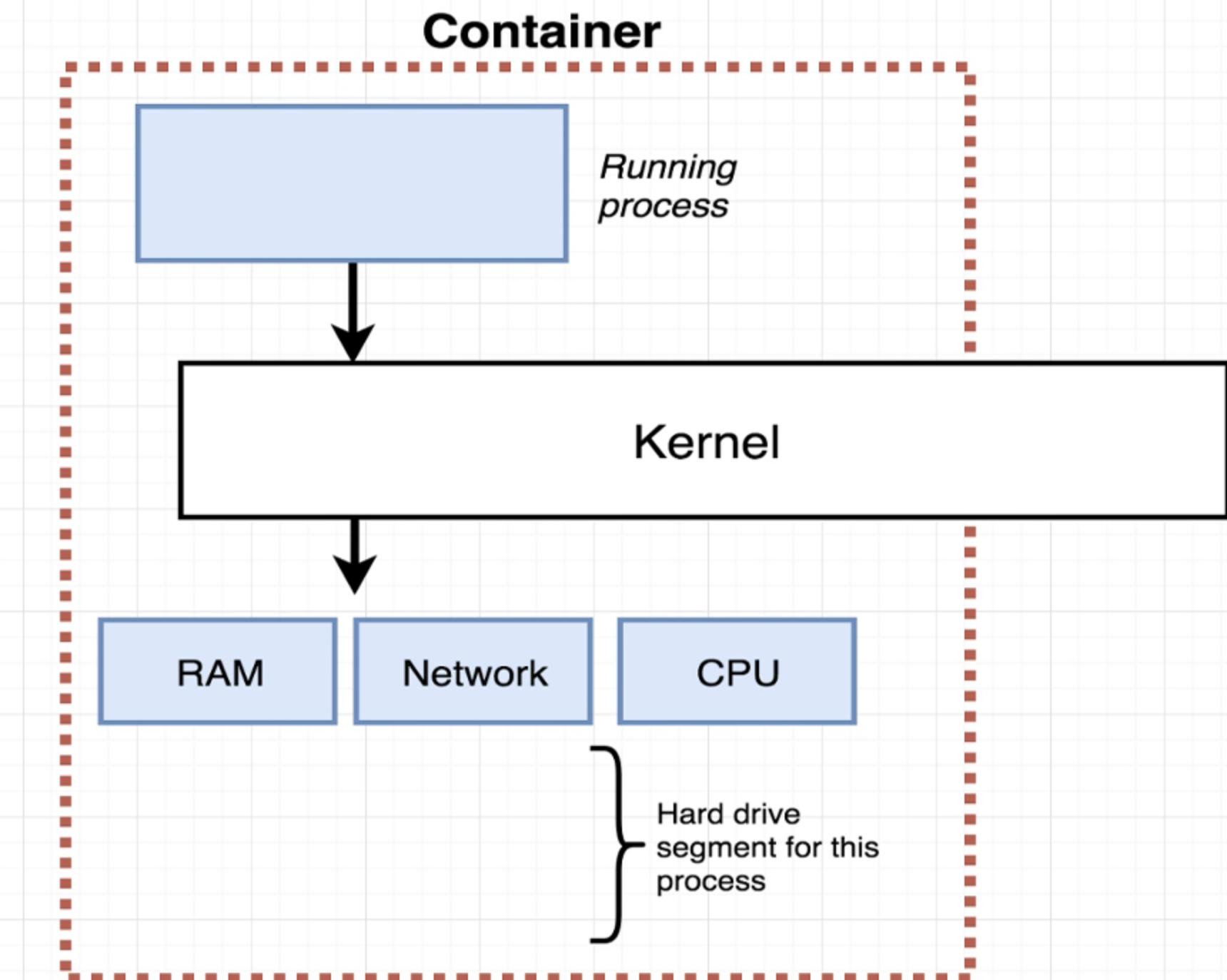
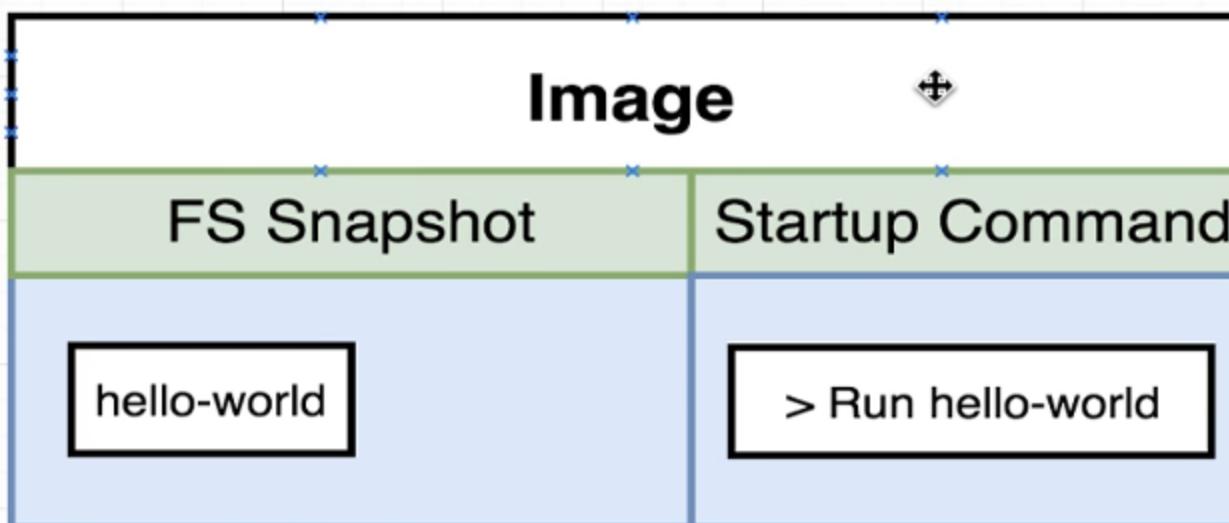
Udemy







150% 🔎 🔍 ↺ ↻ +



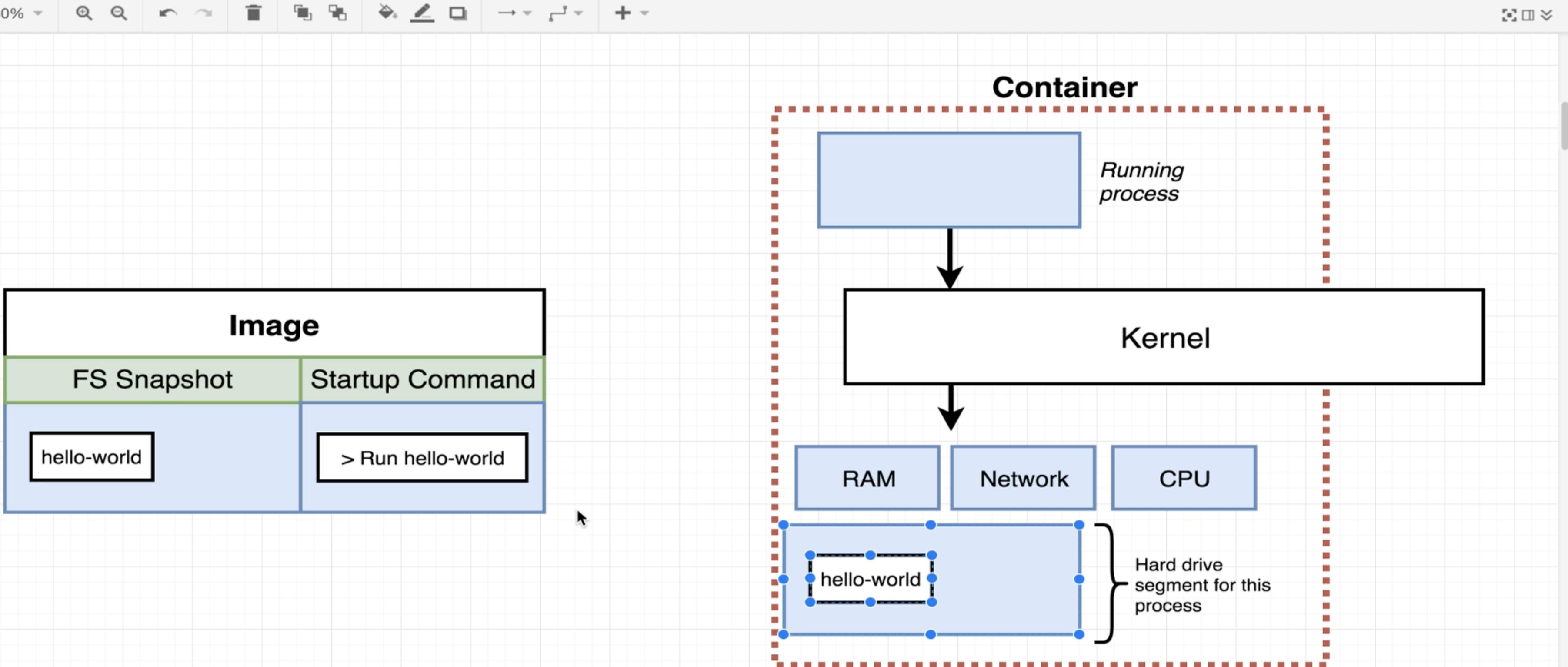


File Edit View Arrange Extras Help

Unsaved changes. Click here to save.

Stephen Grider

150%



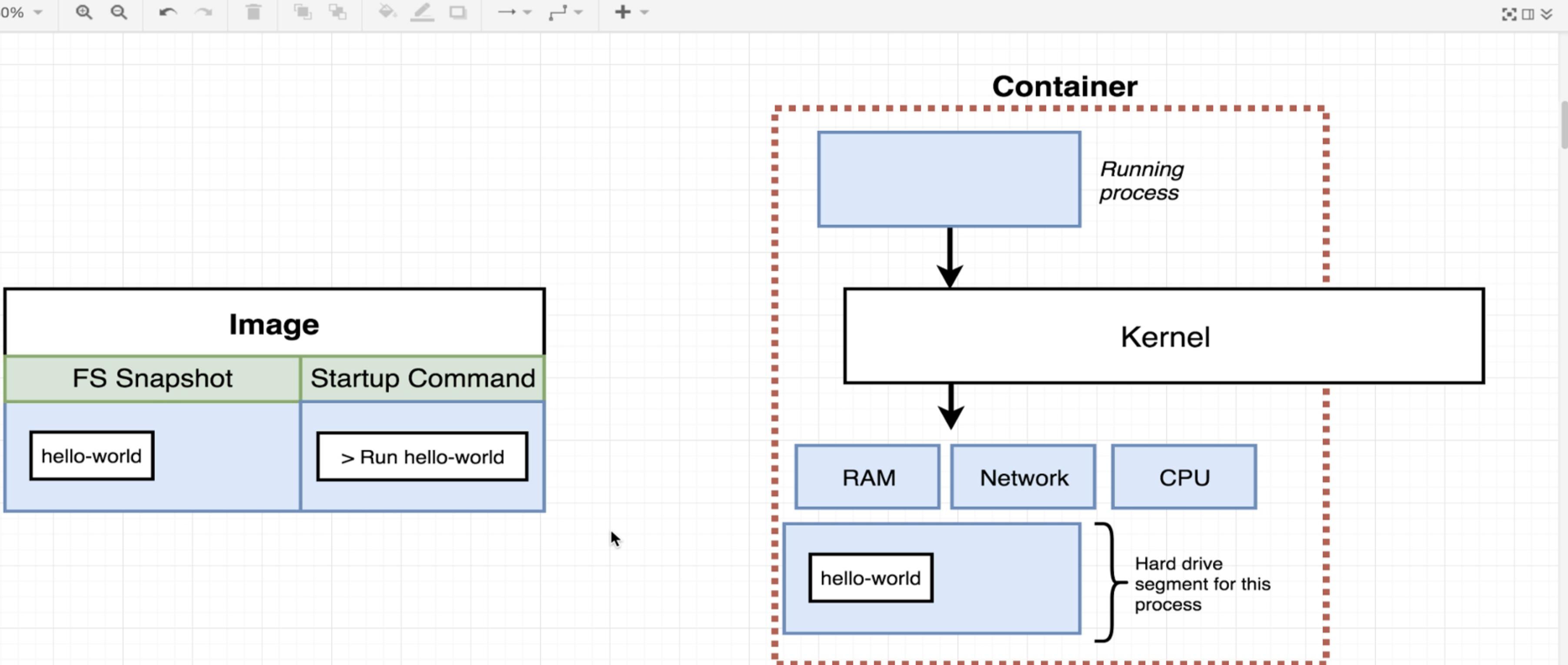


File Edit View Arrange Extras Help

Unsaved changes. Click here to save.

Stephen Grider

150%



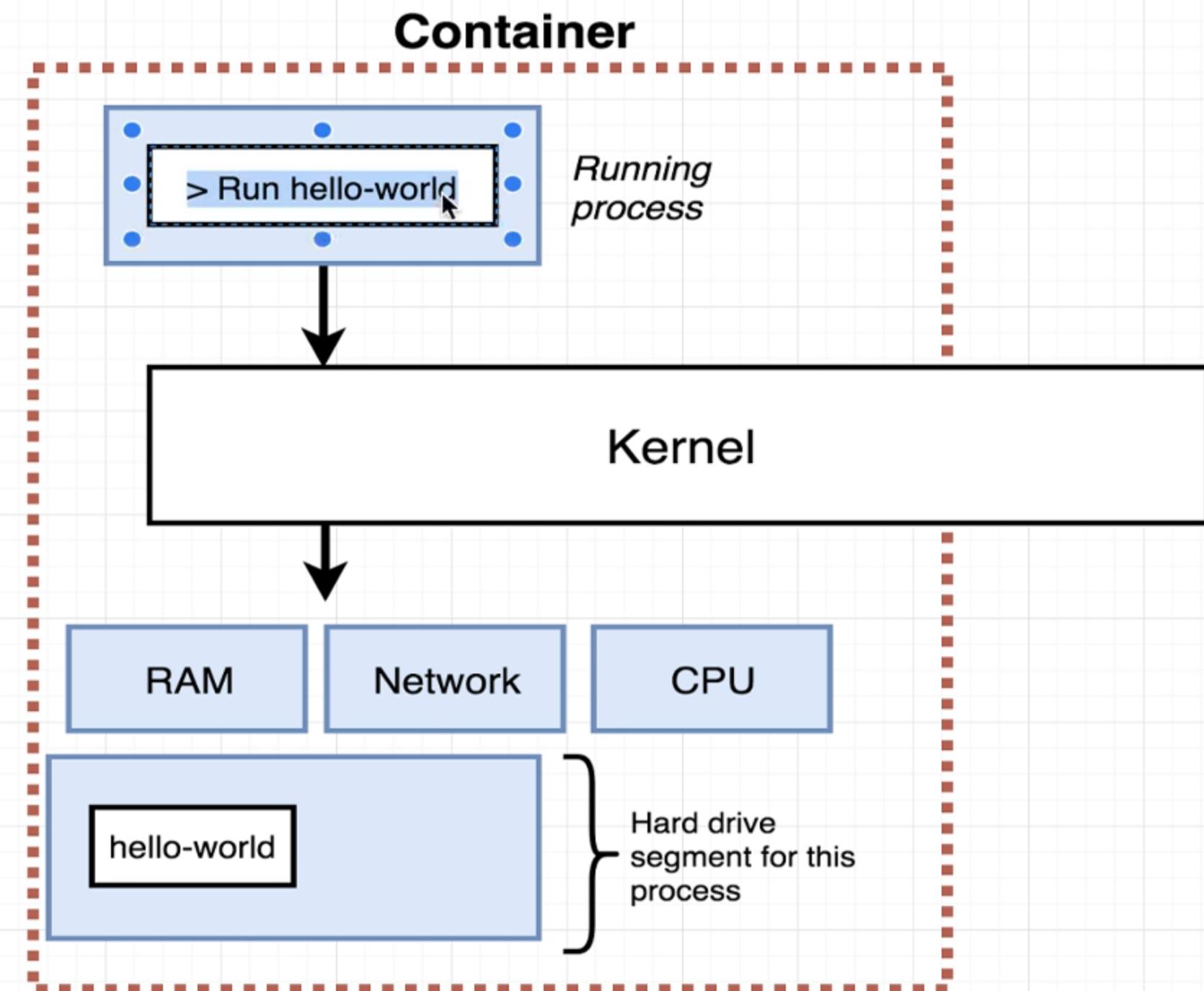


Style Helvetica 12

B I U

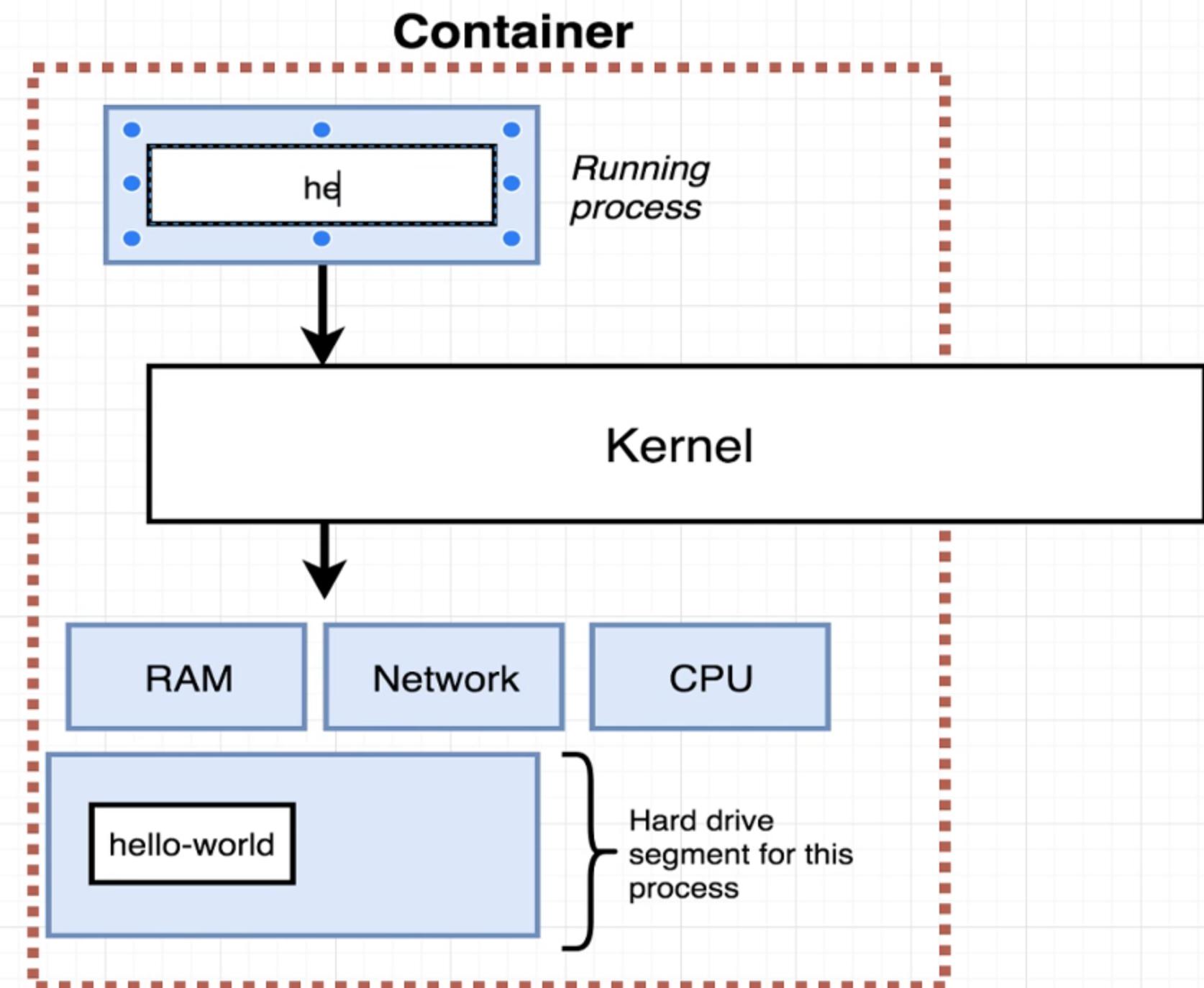
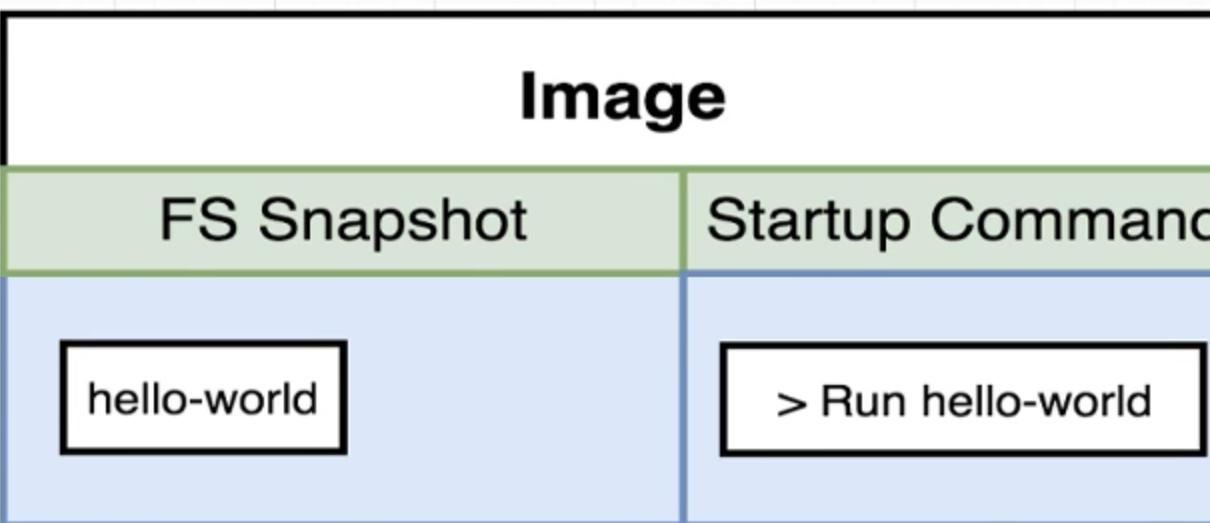
+

Grid



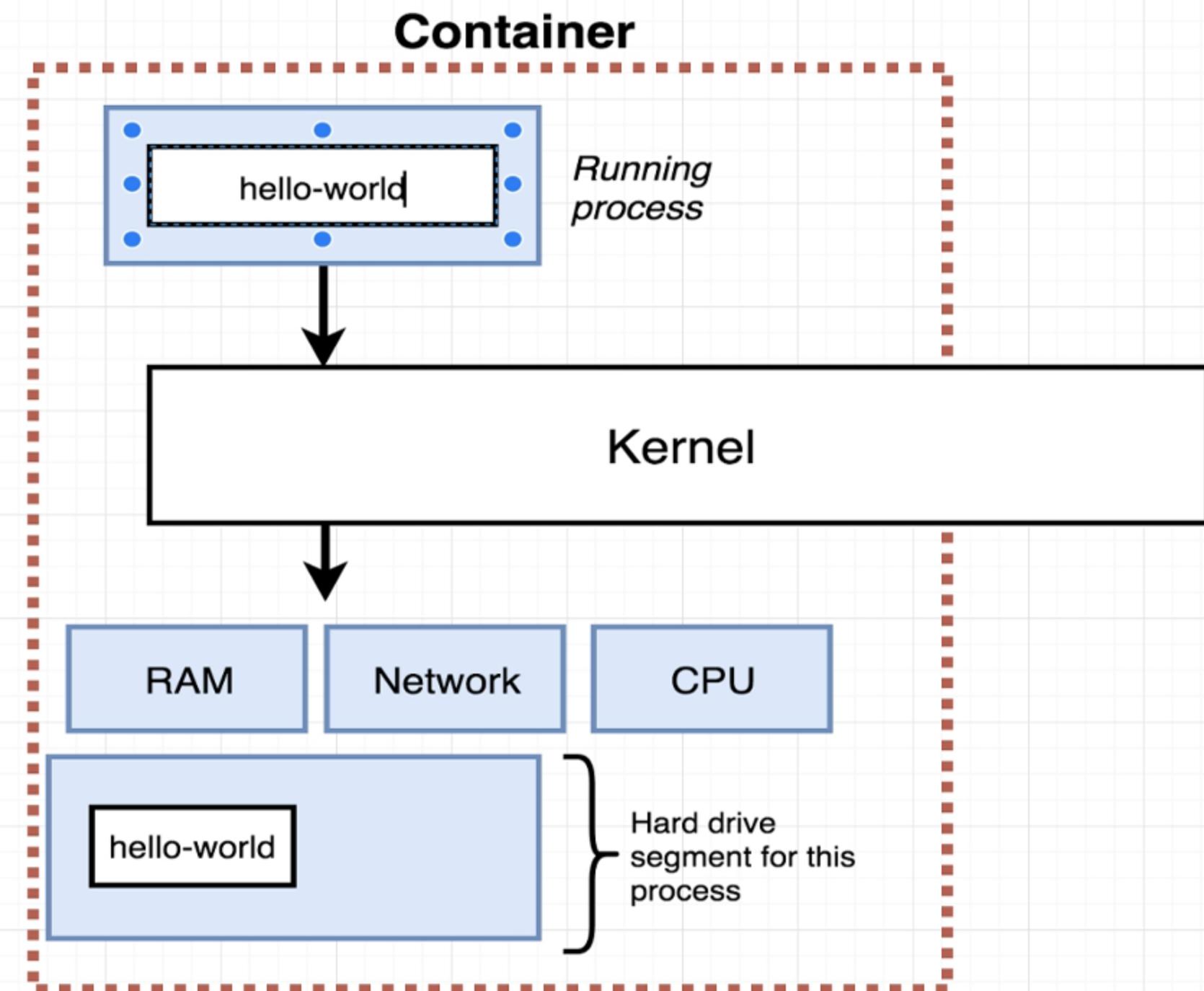
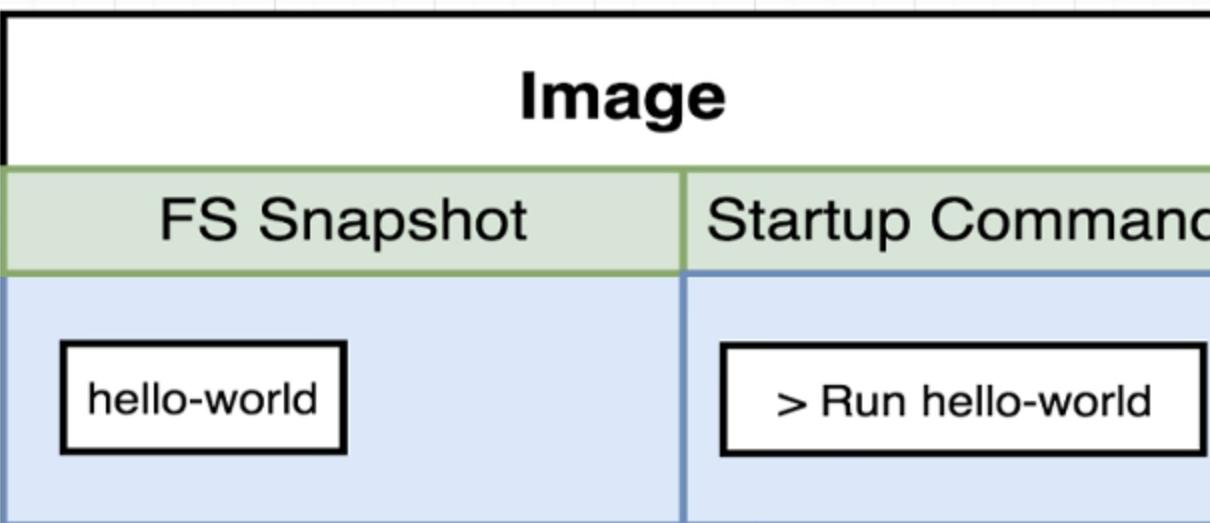


Style ▾ Helvetica ▾ 12 ▾ B I U E ↵ + ▾



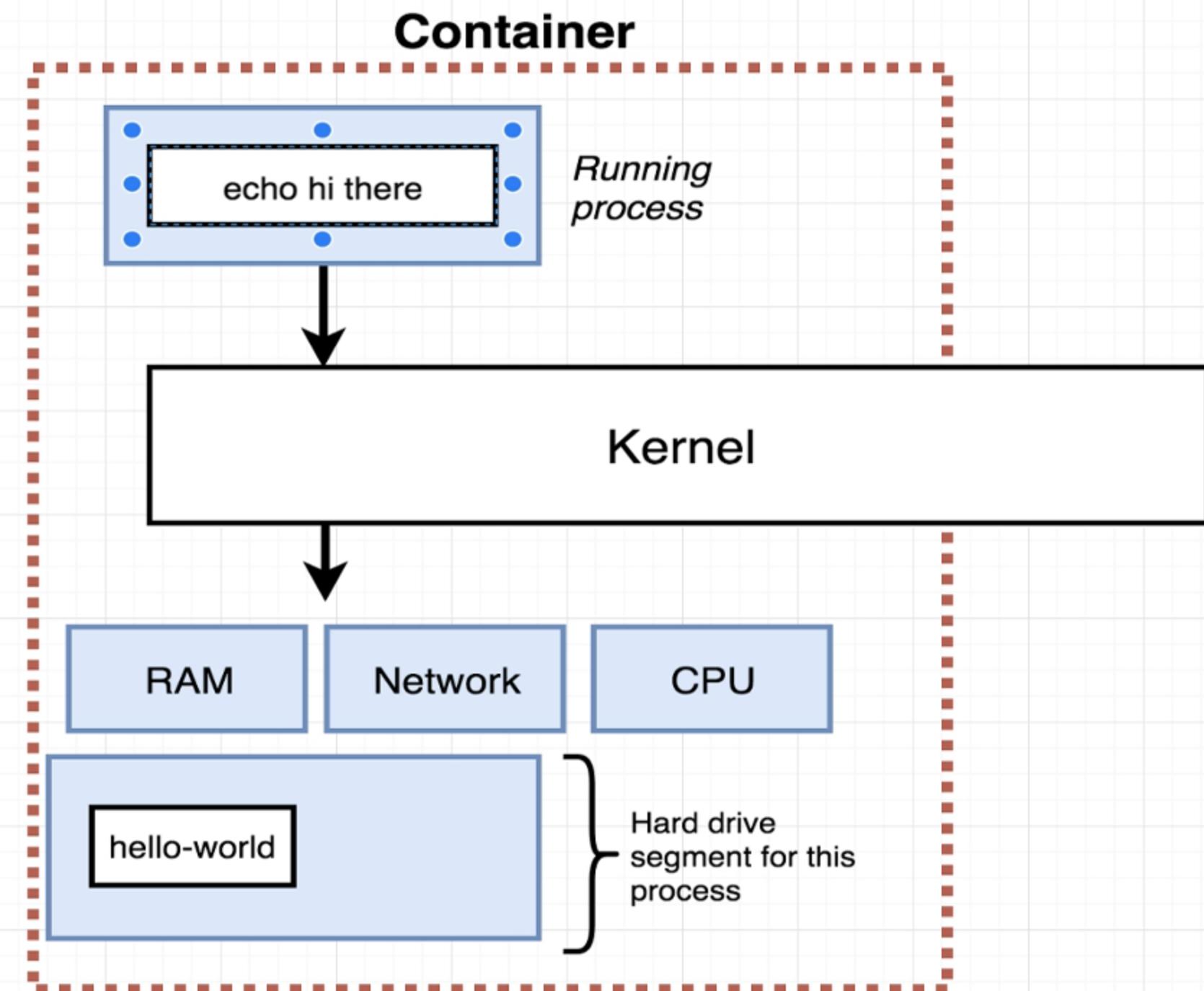
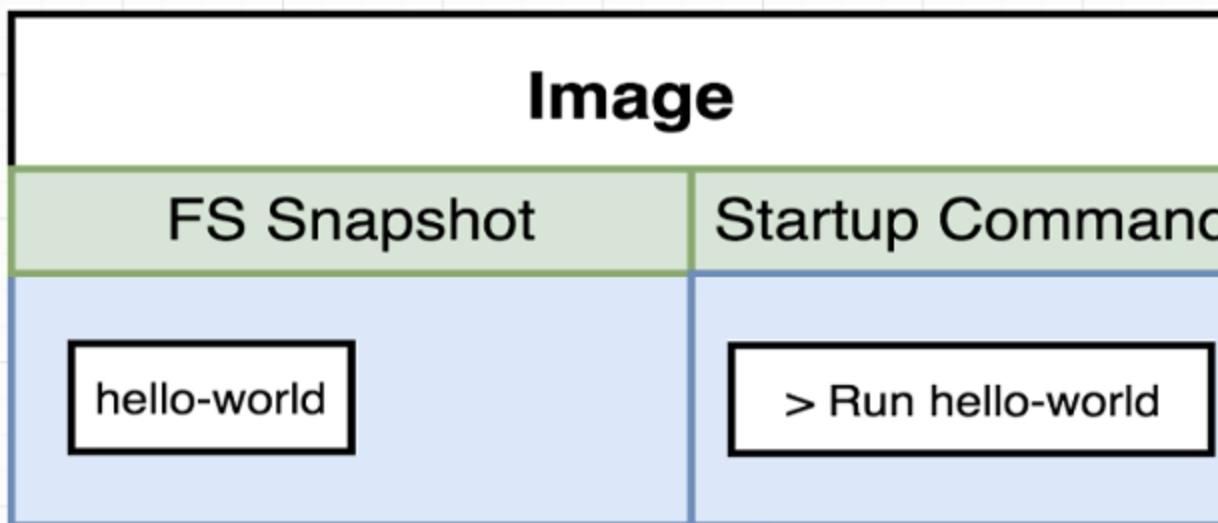


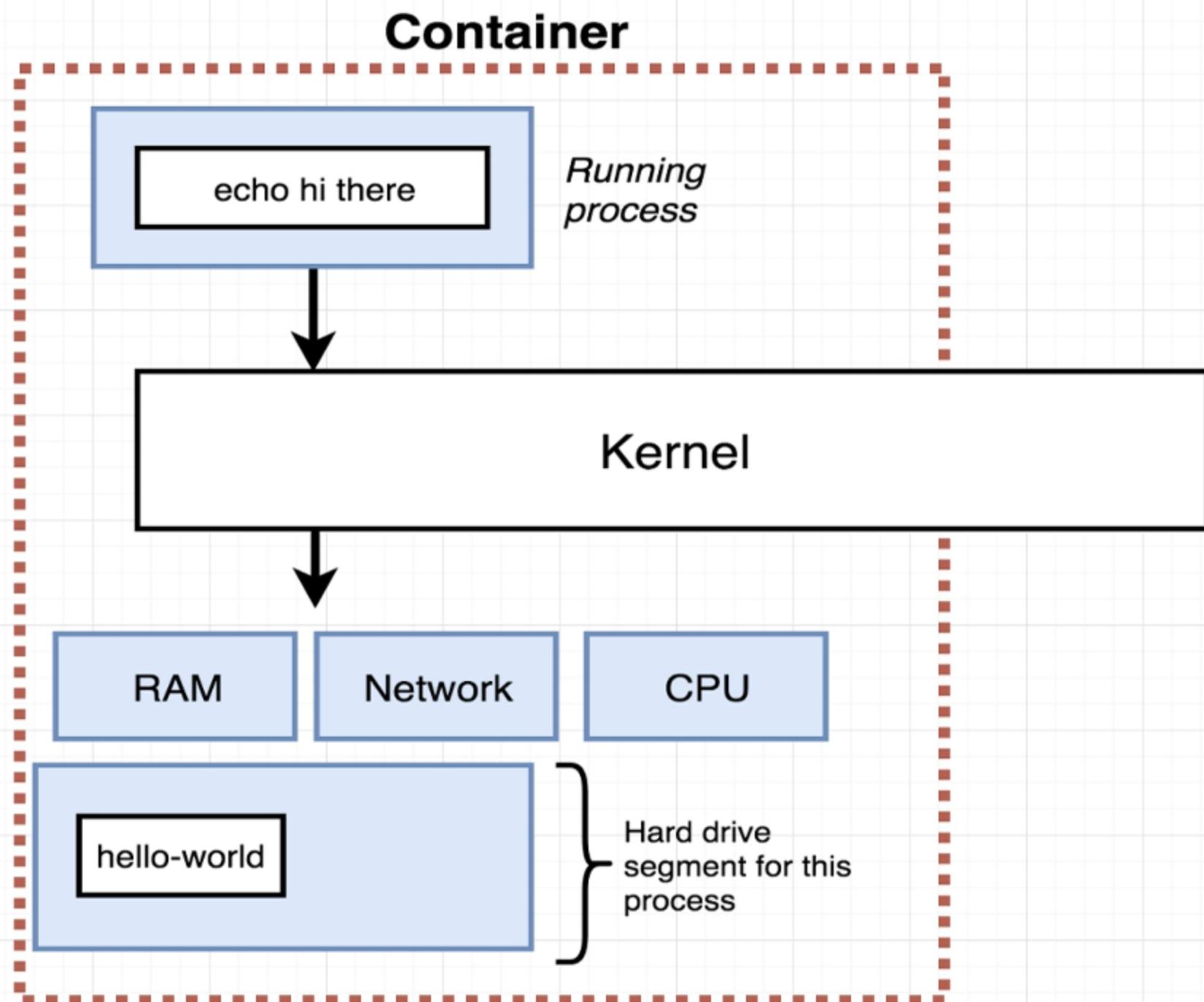
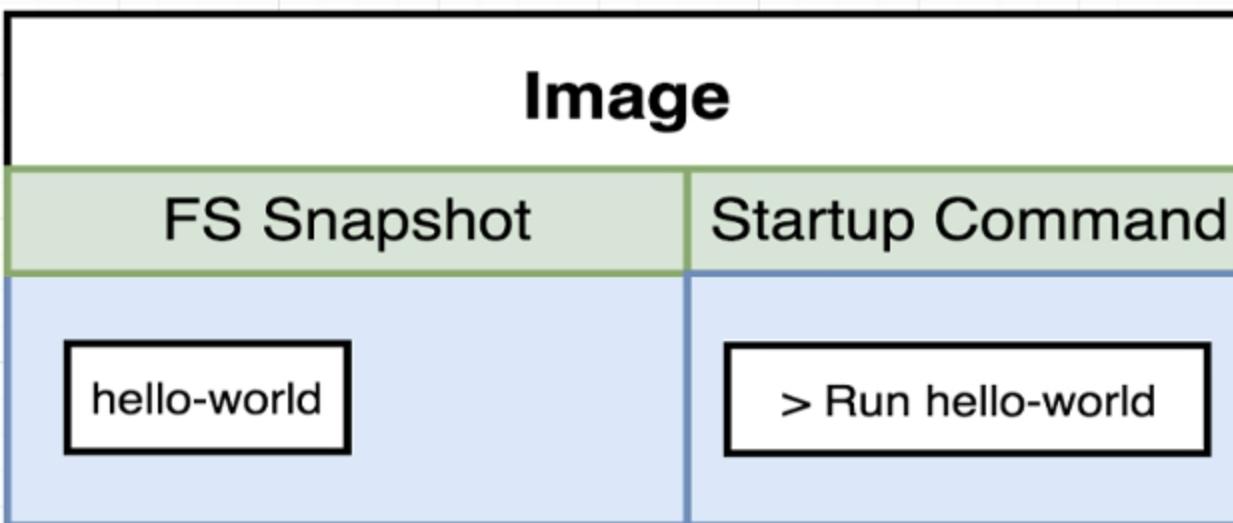
Style ▾ Helvetica ▾ 12 ▾ B I U E ↵ + ▾

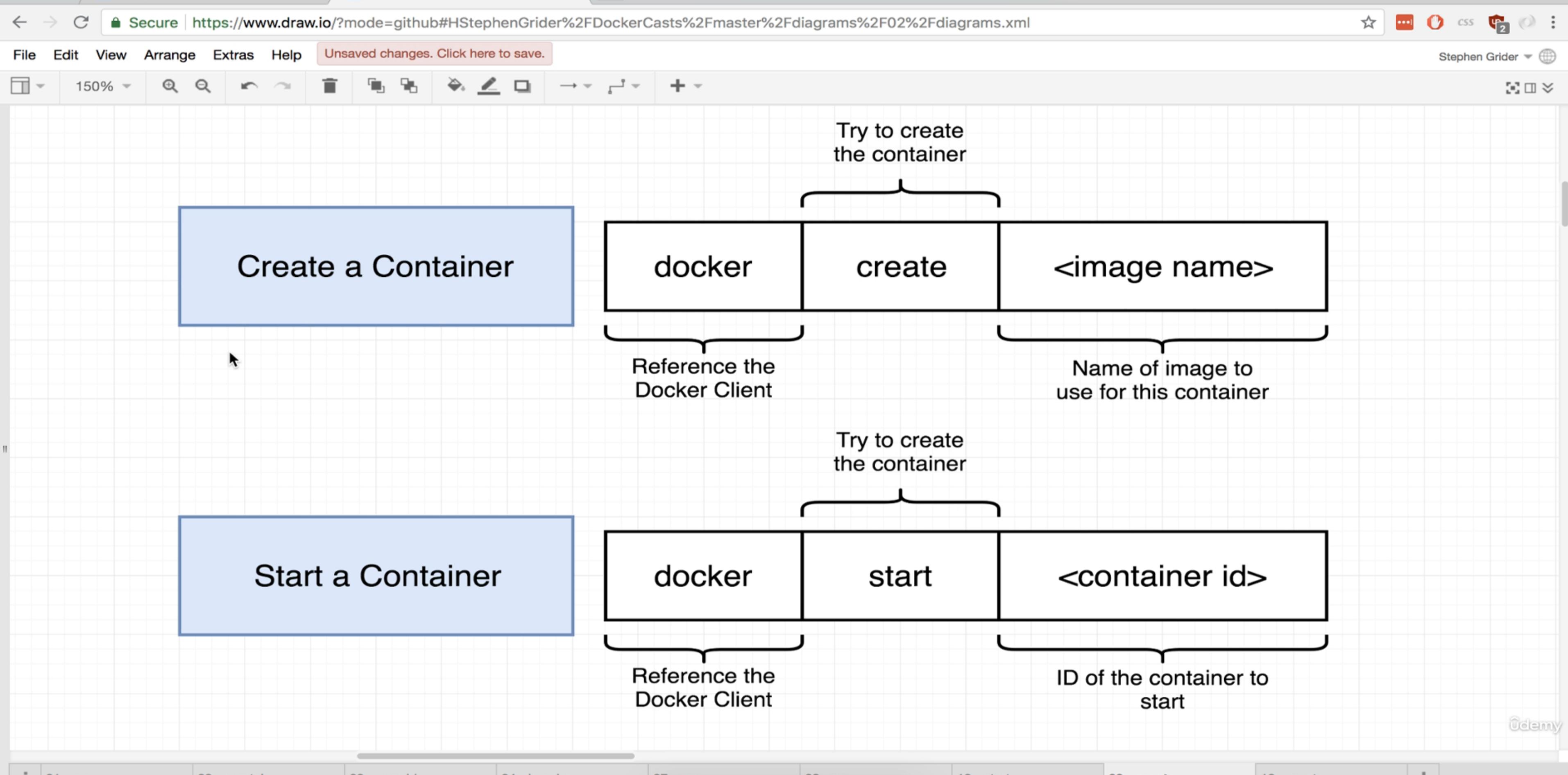




Style ▾ Helvetica ▾ 12 ▾ B I U E ↵ + Grid



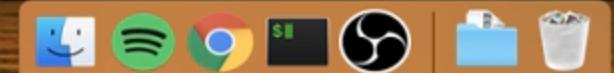






1. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (zsh)

→ prod git:(master) docker create hello-world



1. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (zsh)

```
→ prod git:(master) docker create hello-world
9271d26374ff54f715ce137ab71b5d86a7e9af3638b51d0a470fd8765c55821e
→ prod git:(master) █
```

█



1. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (zsh)

→ prod git:(master) docker create hello-world

9271d26374ff54f715ce137ab71b5d86a7e9af3638b51d0a470fd8765c55821e

→ prod git:(master) |

{}

1. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (zsh)

```
→ prod git:(master) docker create hello-world
9271d26374ff54f715ce137ab71b5d86a7e9af3638b51d0a470fd8765c55821e
→ prod git:(master) docker start -a
```

1. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (zsh)

→ prod git:(master) docker create hello-world

9271d26374ff54f715ce137ab71b5d86a7e9af3638b51d0a470fd8765c55821e

→ prod git:(master) docker start -a 9271d26374ff54f715ce137ab71b5d86a7e9af3638b51d0
a470fd8765c55821e

{}

1. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (zsh)

To generate this message, Docker took the following steps:

1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
(amd64)
3. The Docker daemon created a new container from that image which runs the executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent it to your terminal.

To try something more ambitious, you can run an Ubuntu container with:

```
$ docker run -it ubuntu bash
```

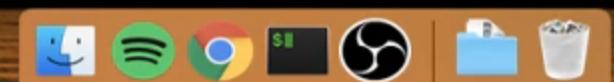
Share images, automate workflows, and more with a free Docker ID:

<https://hub.docker.com/>

For more examples and ideas, visit:

<https://docs.docker.com/engine/userguide/>

→ prod git:(master) |



1. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (zsh)

```
→ prod git:(master) docker create hello-world  
955c4d7671e4bdd68dea6d8a2deedac4a182a9d46a568e734ec95358f7ff4fec  
→ prod git:(master) █
```

1. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (zsh)

→ prod git:(master) docker create hello-world

955c4d7671e4bdd68dea6d8a2deedac4a182a9d46a568e734ec95358f7ff4fec

→ prod git:(master) docker start 955c4d7671e4bdd68dea6d8a2deedac4a182a9d46a568e734ec95358f7ff4fec

```
1. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (zsh)
→ prod git:(master) docker create hello-world
955c4d7671e4bdd68dea6d8a2deedac4a182a9d46a568e734ec95358f7ff4fec
→ prod git:(master) docker start 955c4d7671e4bdd68dea6d8a2deedac4a182a9d46a568e734ec95358f7ff4fec
955c4d7671e4bdd68dea6d8a2deedac4a182a9d46a568e734ec95358f7ff4fec
→ prod git:(master) █
```

1. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (zsh)

```
→ prod git:(master) docker create hello-world  
955c4d7671e4bdd68dea6d8a2deedac4a182a9d46a568e734ec95358f7ff4fec  
→ prod git:(master) docker start 955c4d7671e4bdd68dea6d8a2deedac4a182a9d46a568e734e  
c95358f7ff4fec  
955c4d7671e4bdd68dea6d8a2deedac4a182a9d46a568e734ec95358f7ff4fec  
→ prod git:(master) docker start -q 955c4d7671e4bdd68dea6d8a2deedac4a182a9d46a568e7  
34ec95358f7ff4fec
```

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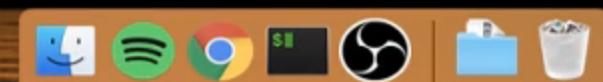
Share images, automate workflows, and more with a free Docker ID:

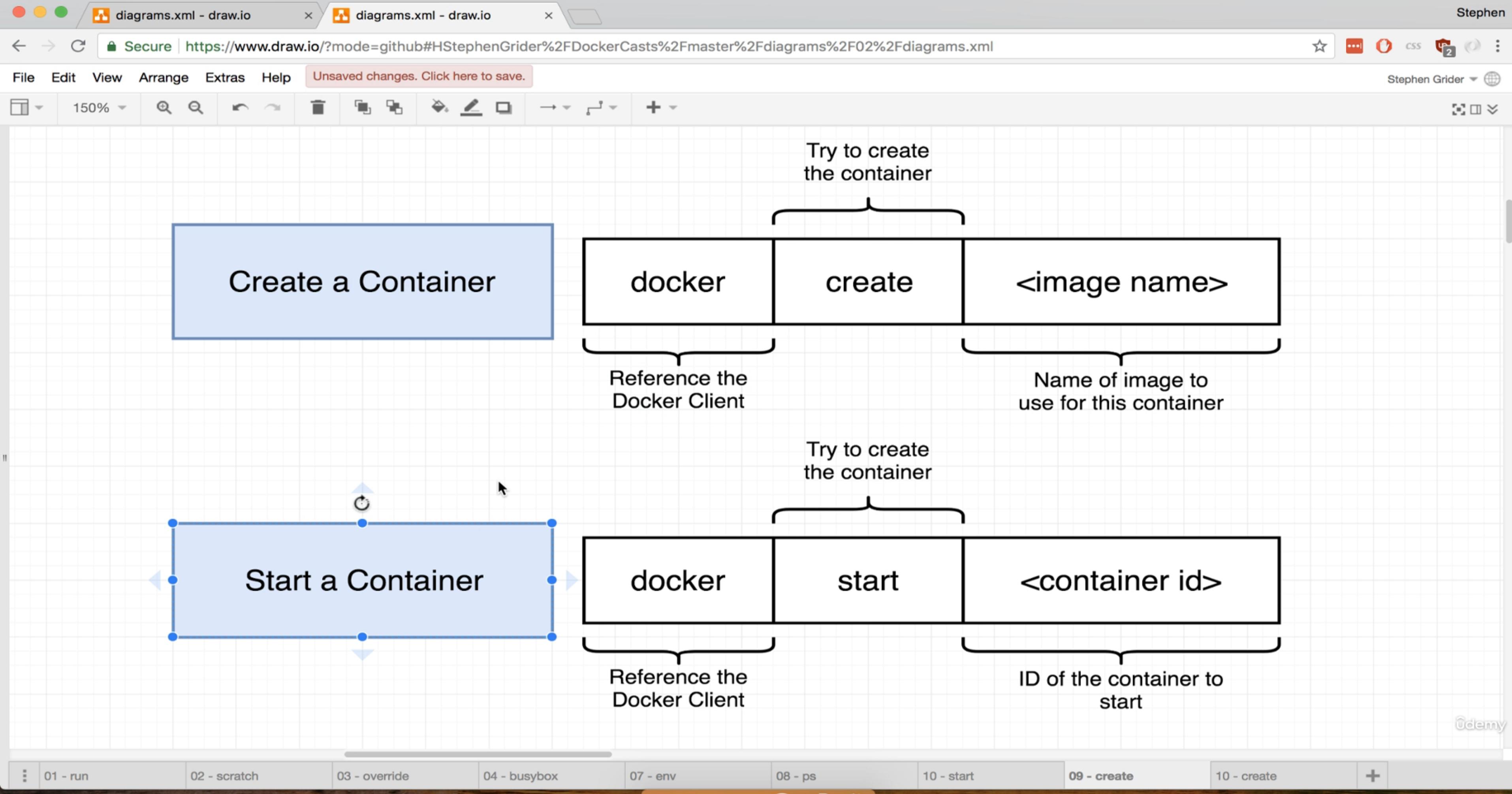
<https://hub.docker.com/>

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<https://docs.docker.com/engine/userguide/>

→ prod git:(master) |







1. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (zsh)

→ prod git:(master) docker ps --all



1. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (zsh)

```
Exited (0) About an hour ago  
a974660f3598      hello-world  
    Created  
426b15dd12e1      busybox  
    Exited (0) 2 hours ago  
901fb07f2784      hello-world  
    Exited (0) 7 minutes ago  
b6169d5308e4      busybox  
    Exited (0) 2 hours ago  
20163daa7efc      hello-world  
    Exited (0) 2 hours ago  
afae0cf173b0      busybox  
    Exited (0) 2 hours ago  
68da832670f4      hello-world  
    Exited (0) 2 hours ago  
35f1caaf0a14      hello-world  
    Exited (0) 3 hours ago  
5c2b5b9d2f90      hello-world  
    Exited (0) 3 hours ago  
→ prod git:(master) ┌─
```

```
musing_goldwasser  
"echo hi there"          About an hour ago  
nervous_leavitt  
"echo hi there"          2 hours ago  
suspicious_wozniak  
"/hello"                 2 hours ago  
xenodochial_dijkstra  
"sh"                     2 hours ago  
blissful_zhukovsky  
"/hello"                 2 hours ago  
unruffled_mirzakhani  
"sh"                     2 hours ago  
agitated_lamport  
"/hello"                 2 hours ago  
infallible_fermi  
"/hello"                 3 hours ago  
quirky_golick  
"/hello"                 3 hours ago  
unruffled_shaw
```

1. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (zsh)

Exited (0) About an hour ago	musing_goldwasser
a974660f3598 hello-world	"echo hi there"
Created	About an hour ago
426b15dd12e1 busybox	nervous_leavitt
Exited (0) 2 hours ago	2 hours ago
901fb07f2784 hello-world	suspicious_wozniak
Exited (0) 7 minutes ago	2 hours ago
b6169d5308e4 busybox	xenodochial_dijkstra
Exited (0) 2 hours ago	2 hours ago
20163daa7efc hello-world	blissful_zhukovsky
Exited (0) 2 hours ago	2 hours ago
afae0cf173b0 busybox	unruffled_mirzakhani
Exited (0) 2 hours ago	2 hours ago
68da832670f4 hello-world	agitated_lamport
Exited (0) 2 hours ago	2 hours ago
35f1caaf0a14 hello-world	infallible_fermi
Exited (0) 3 hours ago	3 hours ago
5c2b5b9d2f90 hello-world	quirky_golick
Exited (0) 3 hours ago	3 hours ago
→ prod git:(master)	unruffled_shaw

1. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (zsh)

```
Exited (0) About an hour ago
a974660f3598      hello-world
    Created
426b15dd12e1      busybox
    Exited (0) 2 hours ago
901fb07f2784      hello-world
    Exited (0) 7 minutes ago
b6169d5308e4      busybox
    Exited (0) 2 hours ago
20163daa7efc      hello-world
    Exited (0) 2 hours ago
afae0cf173b0      busybox
    Exited (0) 2 hours ago
68da832670f4      hello-world
    Exited (0) 2 hours ago
35f1caaf0a14      hello-world
    Exited (0) 3 hours ago
5c2b5b9d2f90      hello-world
    Exited (0) 3 hours ago
→ prod git:(master) █
```

musing_goldwasser

```
"echo hi there"          About an hour ago
nervous_leavitt
"echo hi there"          2 hours ago
suspicious_wozniak
"/hello"                 2 hours ago
xenodochial_dijkstra
"sh"                      Up next
"/hello"
16. Restarting Stopped Containers
"/hello"
"sh"                      Up next
"/hello"
"/hello"
"/hello"
"/hello"
"/hello"
quirky_golick
"/hello"
unruffled_shaw
```



Cancel