

```
1. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (zsh)
    www.udemy.com – To exit full screen, press Esc
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)
```

16. Restarting Stopped Containers



Cancel

"/hello"

"/hello"

"/hello"

"/hello"

"/hello"

"/hello"



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

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Tue 3:28 PM

16. Restarting Stopped Containers

diagrams.xml - draw.io

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

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Stephen Grider

Create a Container

Try to create the container

docker create <image name>

Reference the Docker Client

Name of image to use for this container

Start a Container

Try to create the container

docker start <container id>

Reference the Docker Client

ID of the container to start

Udemy

01 - run 02 - scratch 03 - override 04 - busybox 07 - env 08 - ps 10 - start 09 - create 11 - create 12 - create 13 - create 14 - create 15 - create 16 - create 17 - create 18 - create 19 - create 20 - create 21 - create 22 - create 23 - create 24 - create 25 - create 26 - create 27 - create 28 - create 29 - create 30 - create 31 - create 32 - create 33 - create 34 - create 35 - create 36 - create 37 - create 38 - create 39 - create 40 - create 41 - create 42 - create 43 - create 44 - create 45 - create 46 - create 47 - create 48 - create 49 - create 50 - create 51 - create 52 - create 53 - create 54 - create 55 - create 56 - create 57 - create 58 - create 59 - create 60 - create 61 - create 62 - create 63 - create 64 - create 65 - create 66 - create 67 - create 68 - create 69 - create 70 - create 71 - create 72 - create 73 - create 74 - create 75 - create 76 - create 77 - create 78 - create 79 - create 80 - create 81 - create 82 - create 83 - create 84 - create 85 - create 86 - create 87 - create 88 - create 89 - create 90 - create 91 - create 92 - create 93 - create 94 - create 95 - create 96 - create 97 - create 98 - create 99 - create 100 - create

1x 0:00 / 3:43

diagrams.xml - draw.io

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Udemy

01 - run 02 - scratch 03 - override 04 - busybox 07 - env 08 - ps 10 - start 09 - create 10 - create 11 - stopped +



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

→ prod git:(master) docker ps --all



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

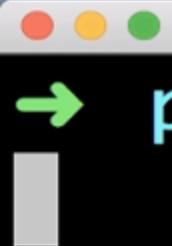
→ prod git:(master) docker ps --all

CONTAINER ID	IMAGE	COMMAND	CREATED	STAT
US	PORTS	NAMES		
8849c62dd8d5	busybox	"echo hi there"	51 seconds ago	Exit
ed (0)	50 seconds ago	thirsty_northcutt		
→ prod git:(master)	█			

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CONTAINER ID	IMAGE	COMMAND	CREATED	STAT
US	PORTS	NAMES		
8849c62dd8d5	busybox	"echo hi there"	51 seconds ago	Exit
ed (0)	50 seconds ago	thirsty_northcutt		
→ prod git:(master)	I			



1. docker run busybox echo hi there (docker)

→ prod git:(master) docker run busybox echo hi there



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

→ prod git:(master) docker run busybox echo hi there
hi there
→ prod git:(master) █

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

→ prod git:(master) docker run busybox echo hi there
hi there

→ prod git:(master) docker ps --all

CONTAINER ID	IMAGE	COMMAND	CREATED	STA
TUS		PORTS	NAMES	
37a8c45a23e1	busybox	"echo hi there"	4 seconds ago	Exi
ted (0)	3 seconds ago		pedantic_jepsen	
8849c62dd8d5	busybox	"echo hi there"	About a minute ago	Exi
ted (0)	About a minute ago		thirsty_northcutt	

→ prod git:(master) █

1. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (zsh) — 130X32

```
→ prod git:(master) docker run busybox echo hi there
```

```
hi there
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```
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CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
NAMES					
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→ prod git:(master) docker start 37a8c45a23e1					

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```
→ prod git:(master) docker start 37a8c45a23e1
```

```
37a8c45a23e1
```

```
→ prod git:(master) █
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→ prod git:(master) docker start 37a8c45a23e1					
37a8c45a23e1					
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thirsty_northcutt					

```
→ prod git:(master) docker start 37a8c45a23e1
```

```
37a8c45a23e1
```

```
→ prod git:(master) docker start -a 37a8c45a23e1
```

```
hi there
```

```
→ prod git:(master) █
```



diagrams.xml - draw.io diagrams.xml - draw.io

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Create a Container

Try to create the container

docker create <image name>

Reference the Docker Client

Name of image to use for this container

Start a Container

Try to create the container

docker start <container id>

Reference the Docker Client

ID of the container to start

Udemy

01 - run 02 - scratch 03 - override 04 - busybox 07 - env 08 - ps 10 - start 09 - create 10 - create 11 - stopped +

```
graph TD; A[Create a Container] --- B["Try to create the container"]; B --- C["docker create <image name>"]; C --- D["Reference the Docker Client"]; C --- E["Name of image to use for this container"]; A[Start a Container] --- F["Try to create the container"]; F --- G["docker start <container id>"]; G --- H["Reference the Docker Client"]; G --- I["ID of the container to start"]
```



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Busybox Image

FS Snapshot

Startup Command



????

Container

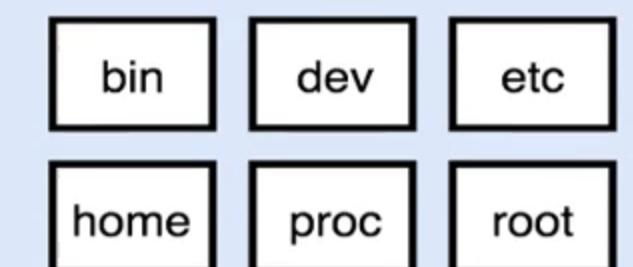
Running process

Kernel

RAM

Network

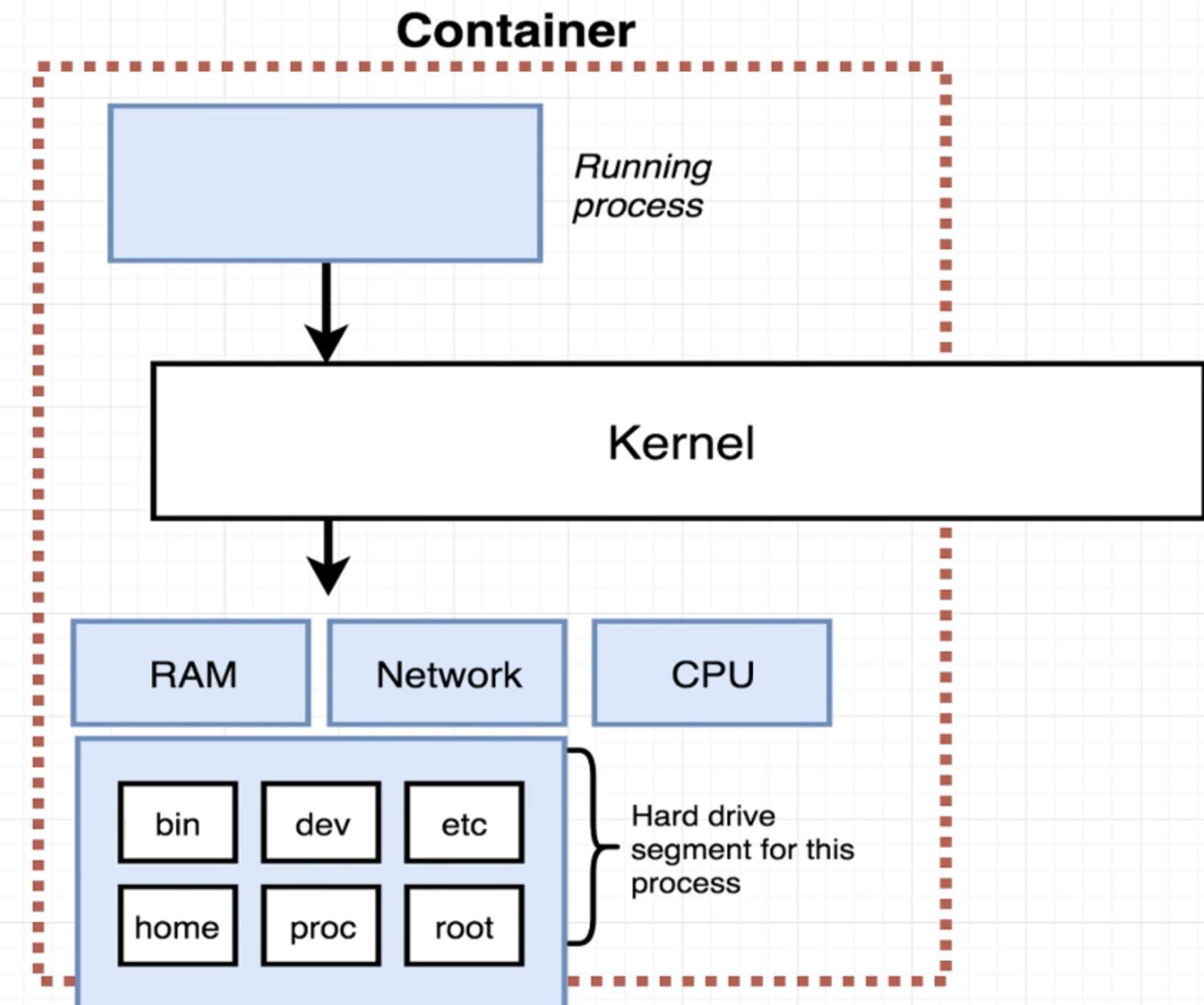
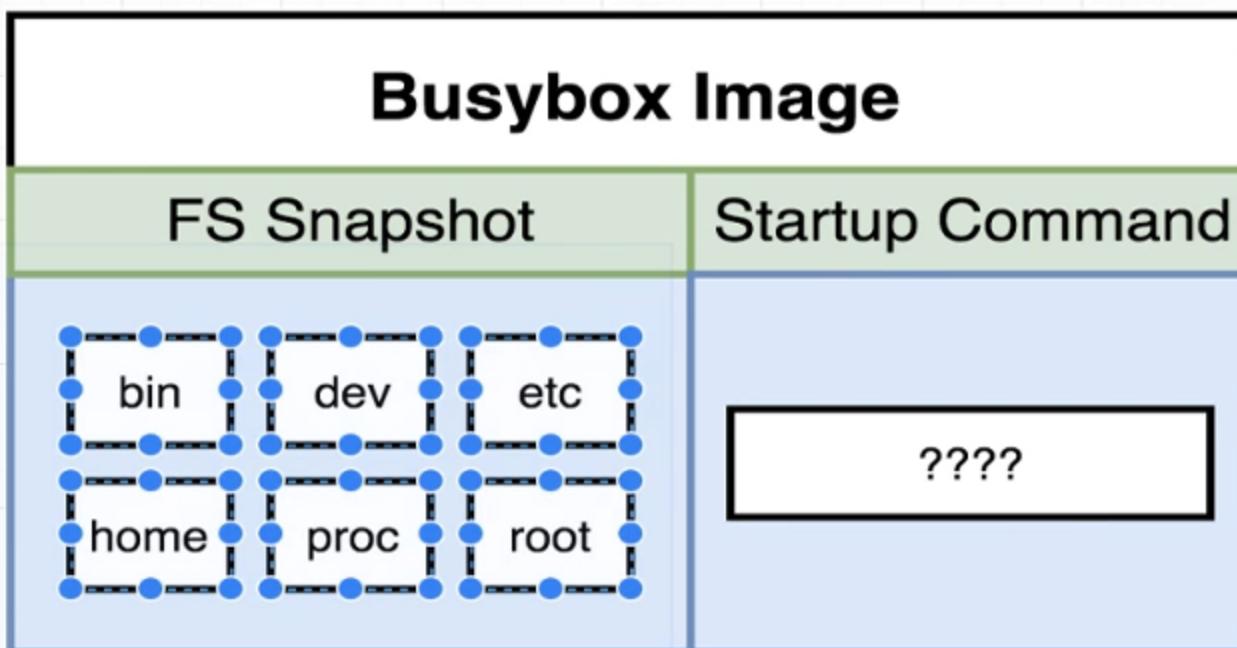
CPU



Hard drive
segment for this
process



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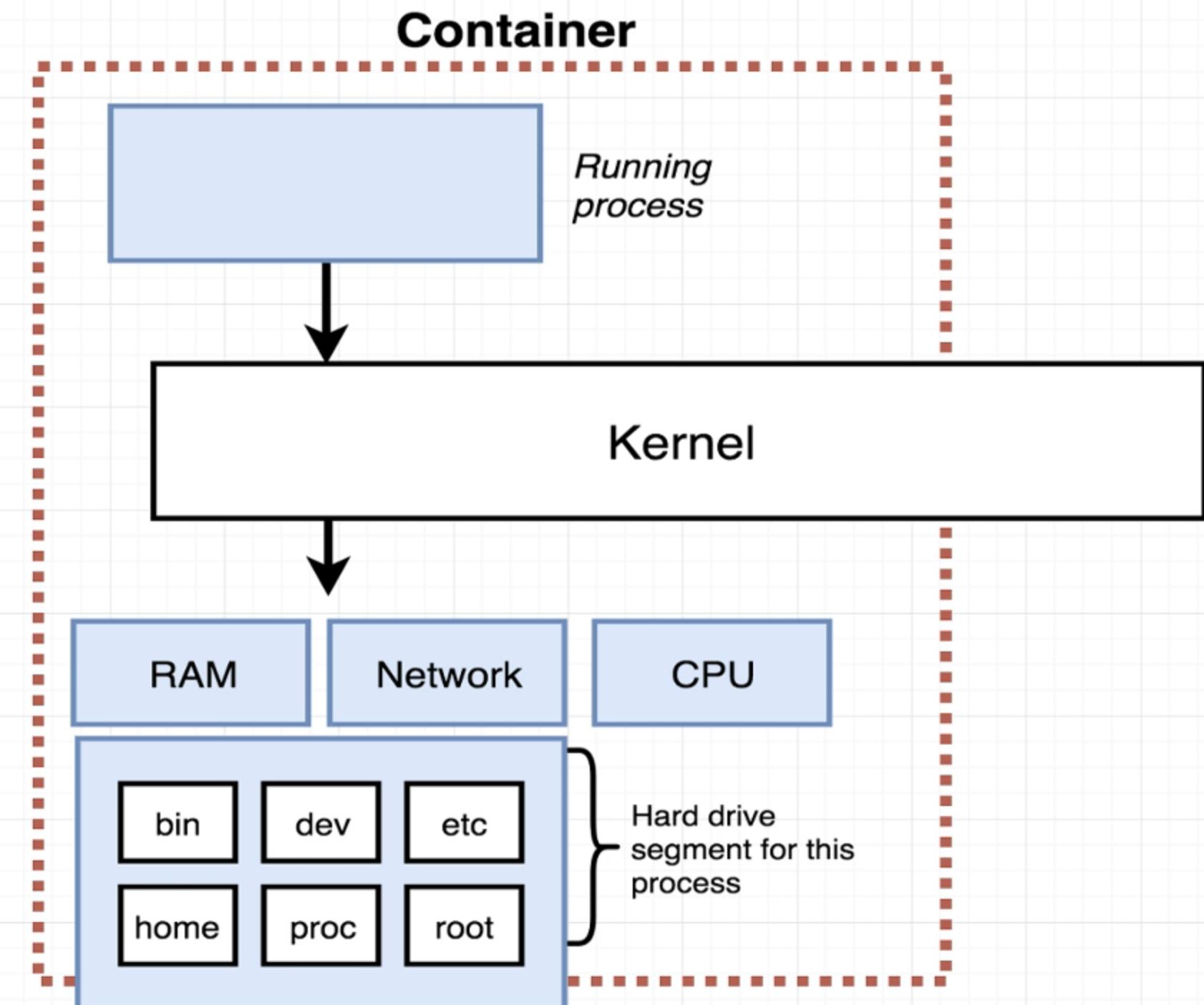
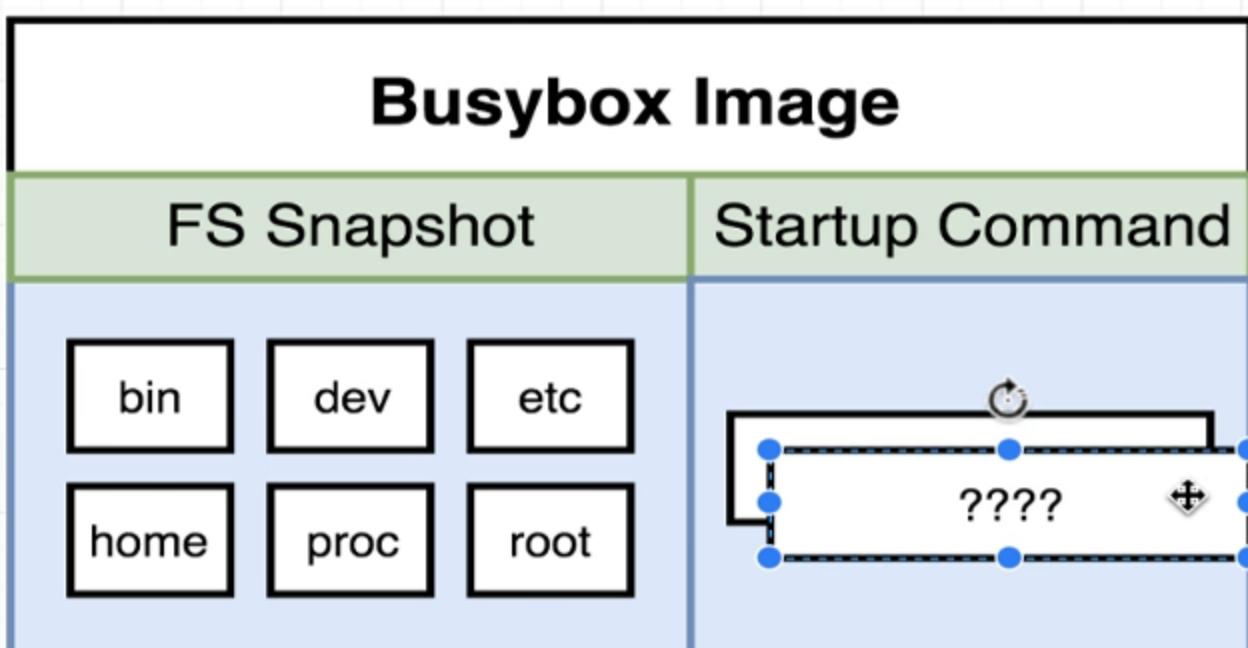
Stephen

File Edit View Arrange Extras Help

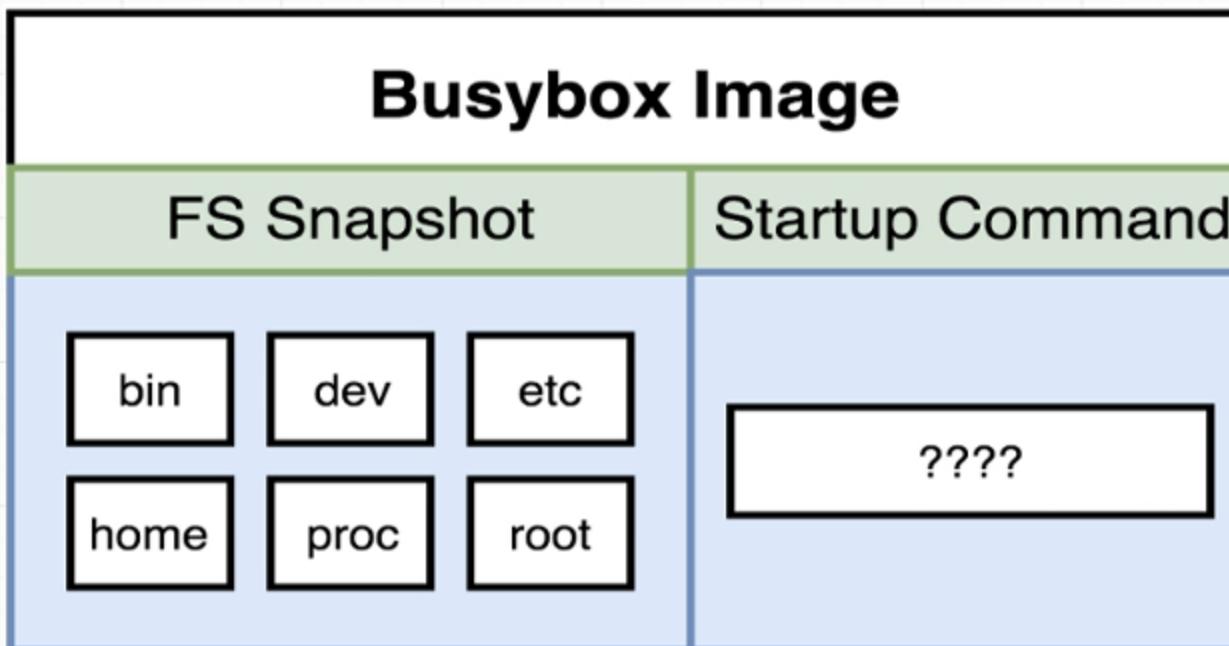
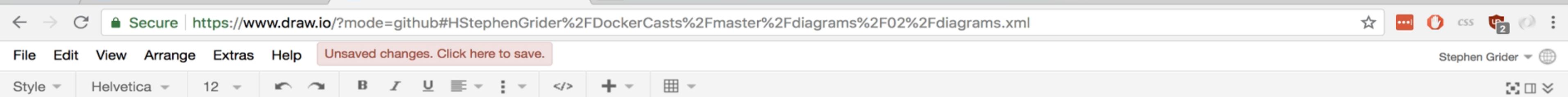
Unsaved changes. Click here to save.

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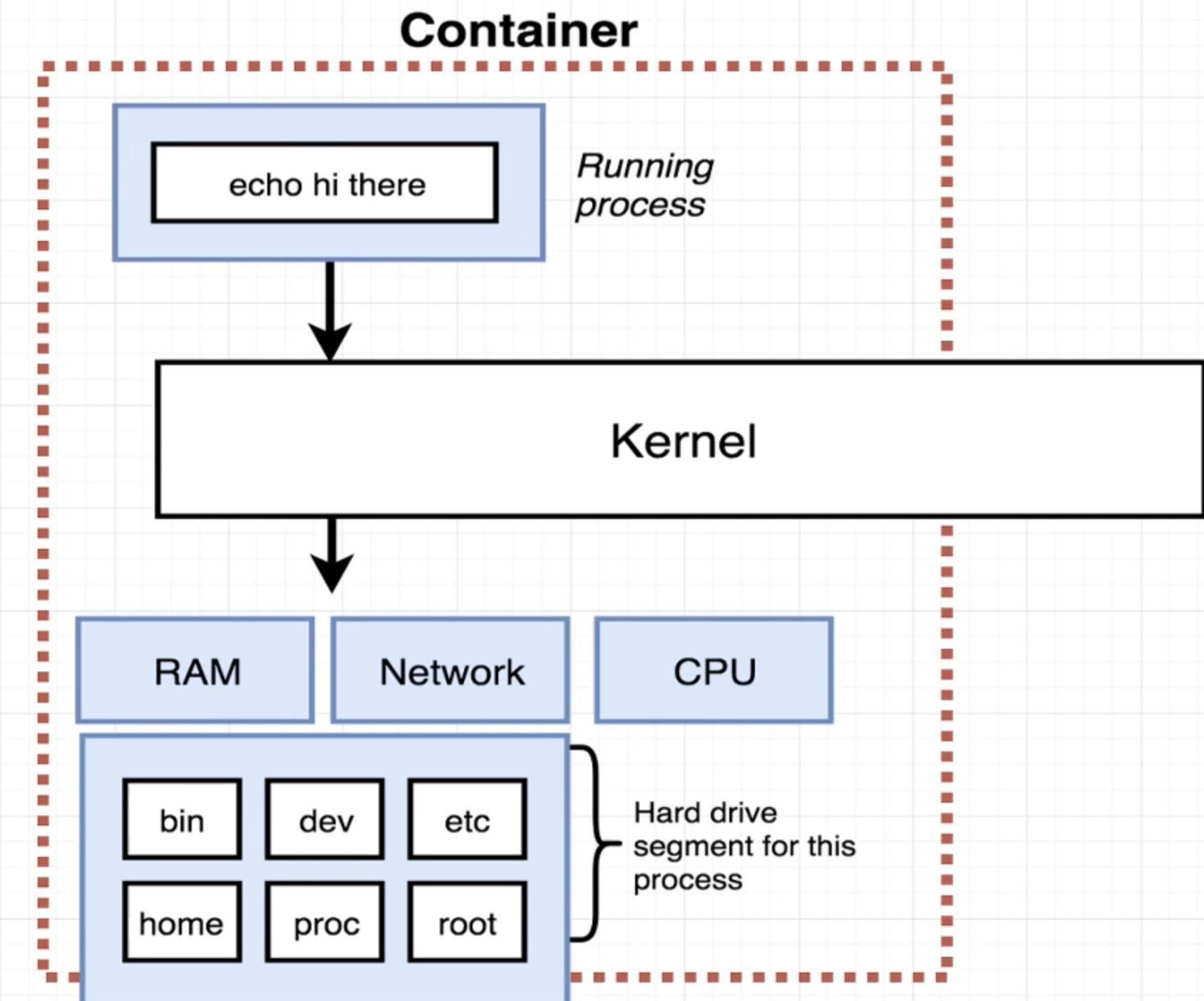
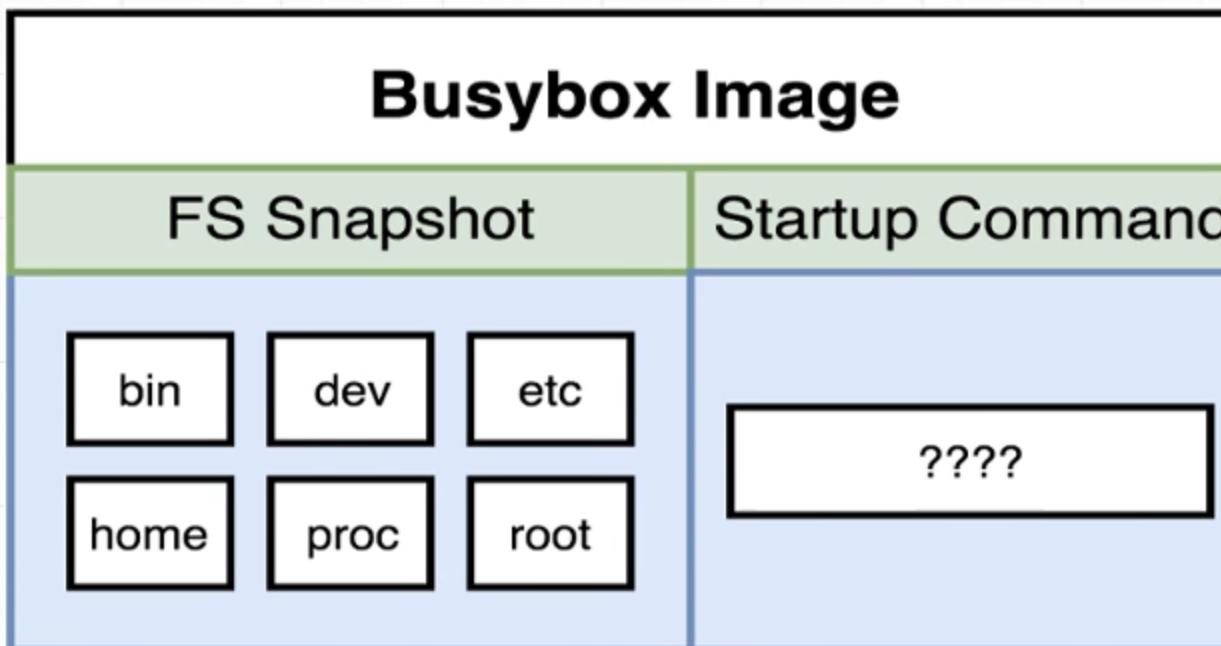


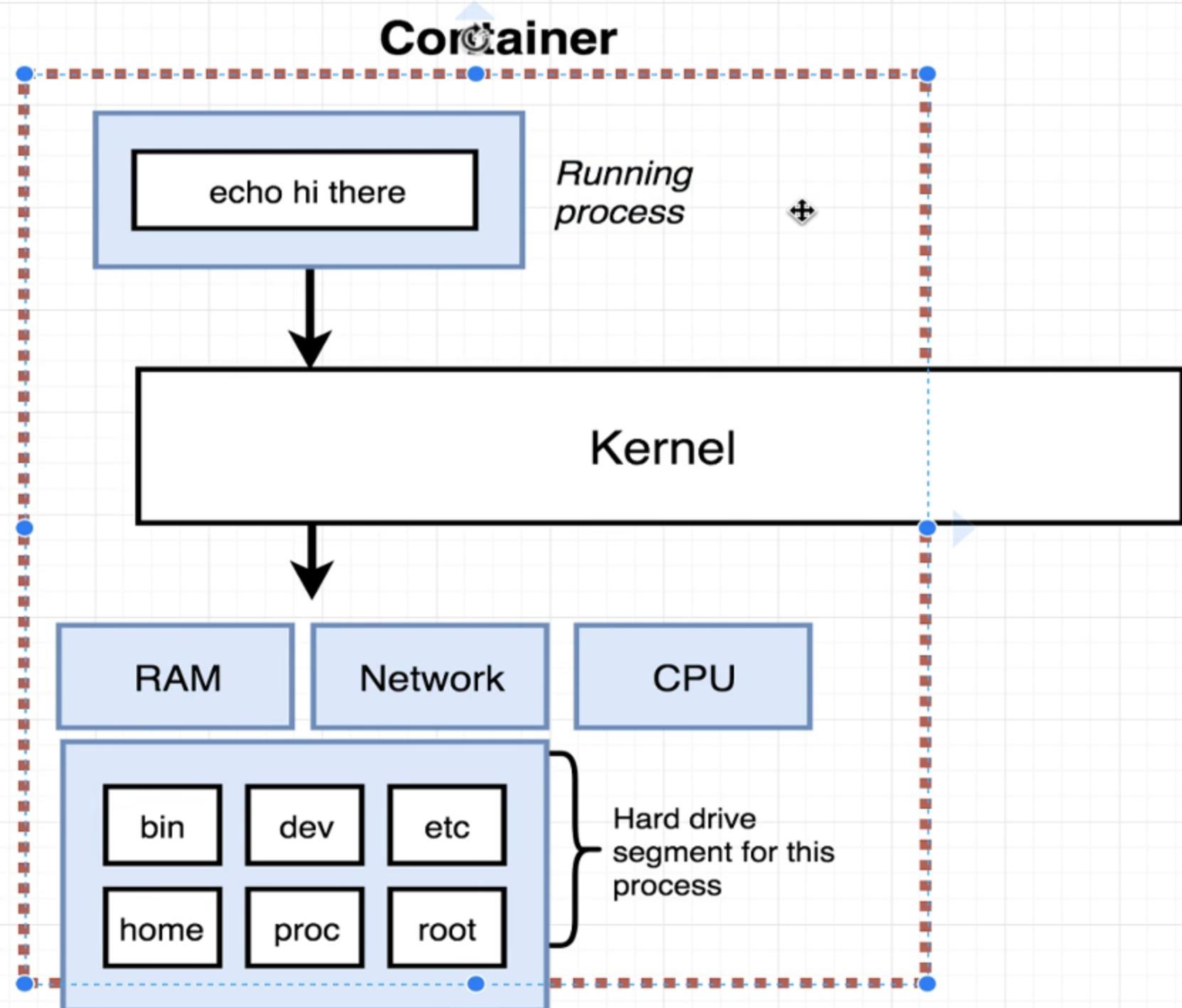
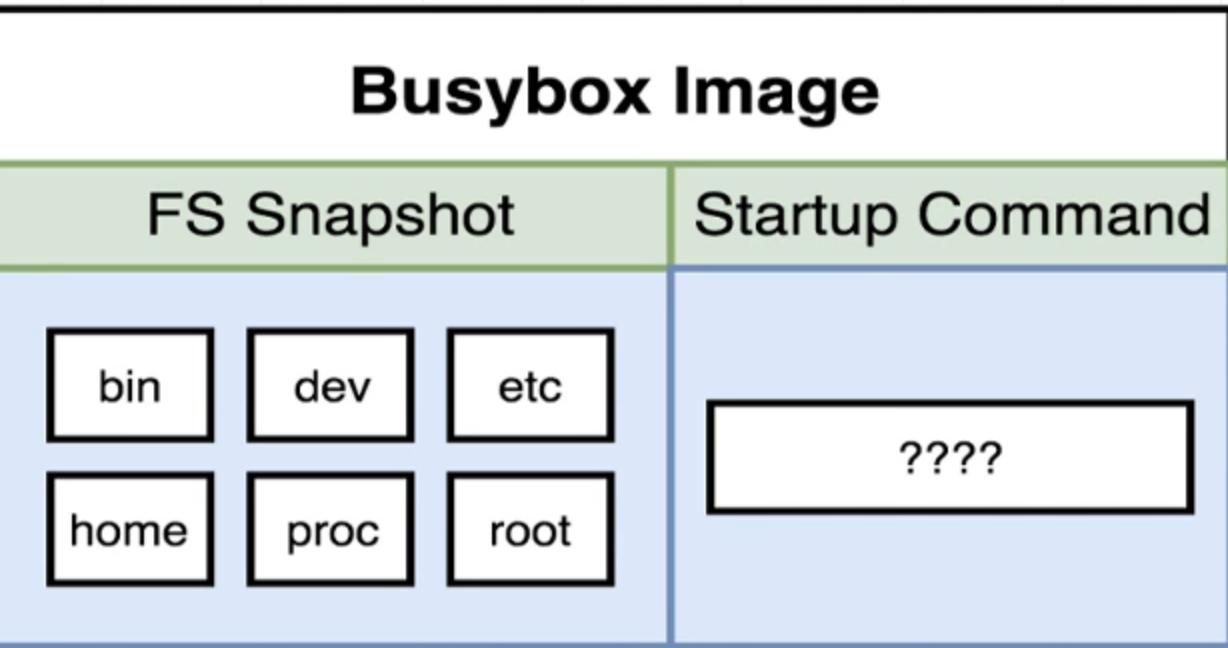
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```
→ prod git:(master) docker run busybox echo hi there
```

```
hi there
```

```
→ prod git:(master) docker ps --all
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
NAMES					
37a8c45a23e1	busybox	"echo hi there"	4 seconds ago	Exited (0) 3 seconds ago	
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thirsty_northcutt					

```
→ prod git:(master) docker start 37a8c45a23e1
```

```
37a8c45a23e1
```

```
→ prod git:(master) docker start -a 37a8c45a23e1
```

```
hi there
```

```
→ prod git:(master) █
```

```
→ prod git:(master) docker run busybox echo hi there  
hi there
```

```
→ prod git:(master) docker ps --all
```

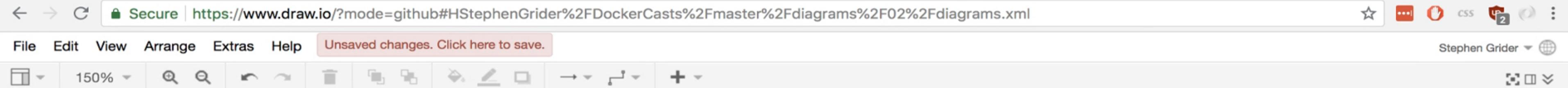
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NAMES				
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thirsty_northcutt				
→ prod git:(master)	docker start 37a8c45a23e1			
37a8c45a23e1				
→ prod git:(master)	docker start -a 37a8c45a23e1			
hi there				
→ prod git:(master)	docker start -a 37a8c45a23e1 echo bye there			

```
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hi there
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CONTAINER ID        IMAGE               COMMAND             CREATED            STATUS
NAMES
37a8c45a23e1        busybox            "echo hi there"   4 seconds ago    Exited (0) 3 se
pedantic_jepsen
8849c62dd8d5        busybox            "echo hi there"   About a minute ago  Exited (0) Abou
thirsty_northcutt
→ prod git:(master) docker start 37a8c45a23e1
37a8c45a23e1
→ prod git:(master) docker start -a 37a8c45a23e1
hi there
→ prod git:(master) docker start -a 37a8c45a23e1 echo bye there
you cannot start and attach multiple containers at once
→ prod git:(master) █
```

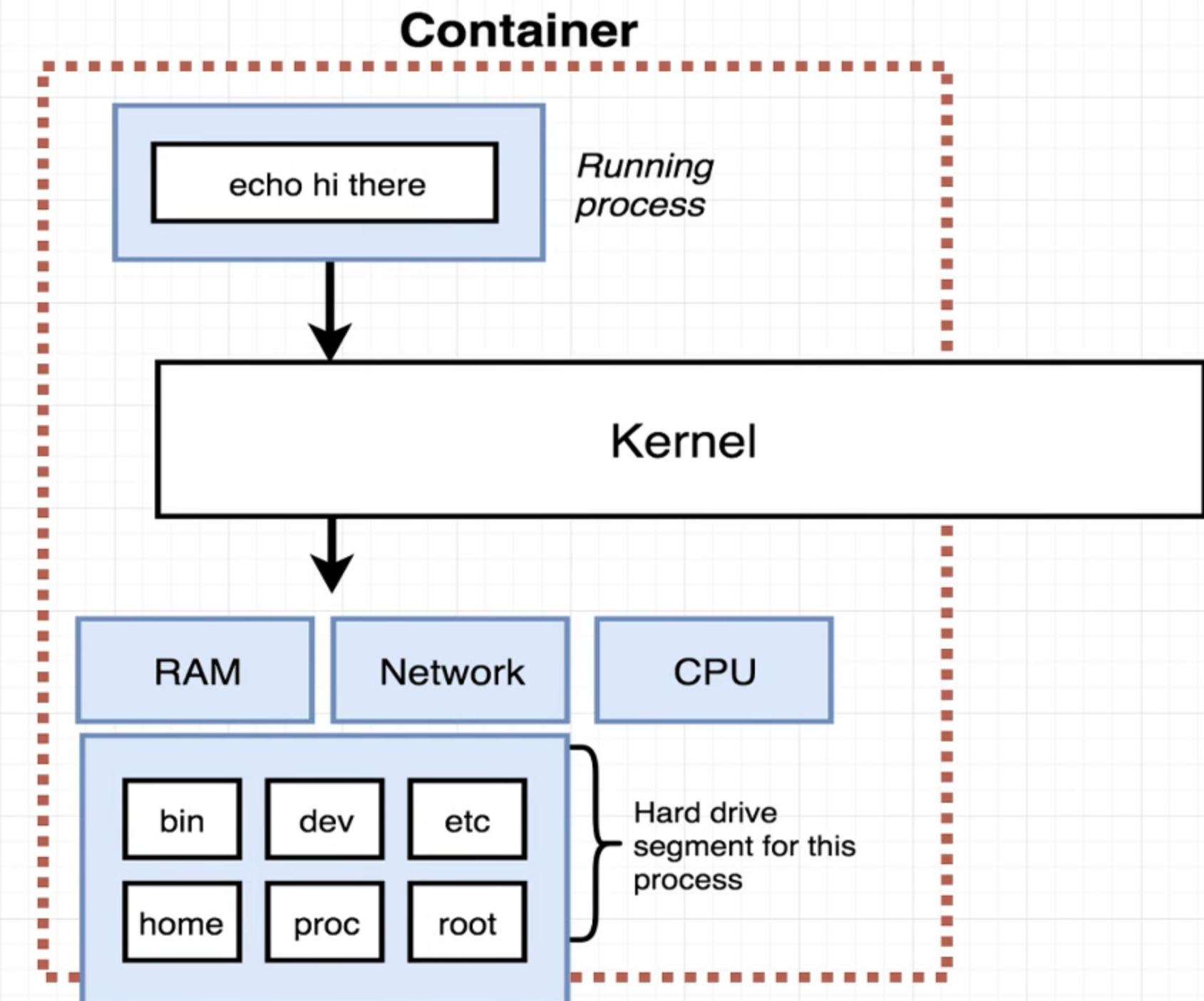
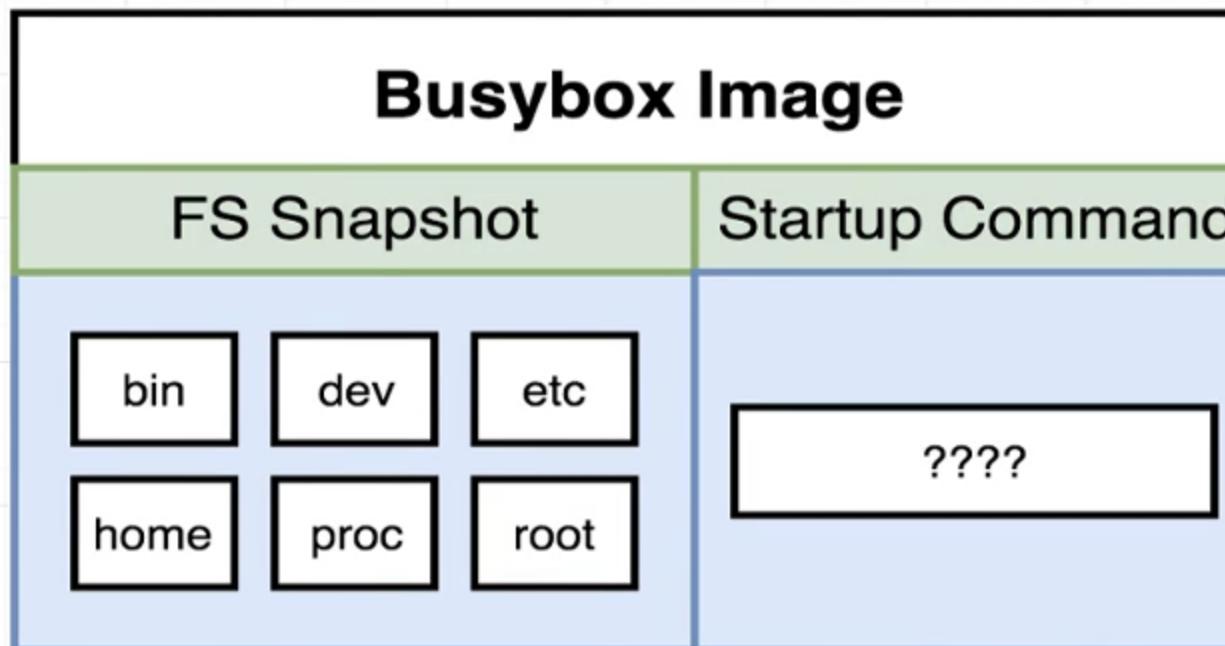
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→ prod git:(master) docker run busybox echo hi there
hi there
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CONTAINER ID        IMAGE               COMMAND             CREATED            STATUS
NAMES
37a8c45a23e1        busybox            "echo hi there"   4 seconds ago    Exited (0) 3 se
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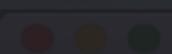
Stephen



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→ prod git:(master) |

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Up next

17. Removing Stopped Containers



Cancel