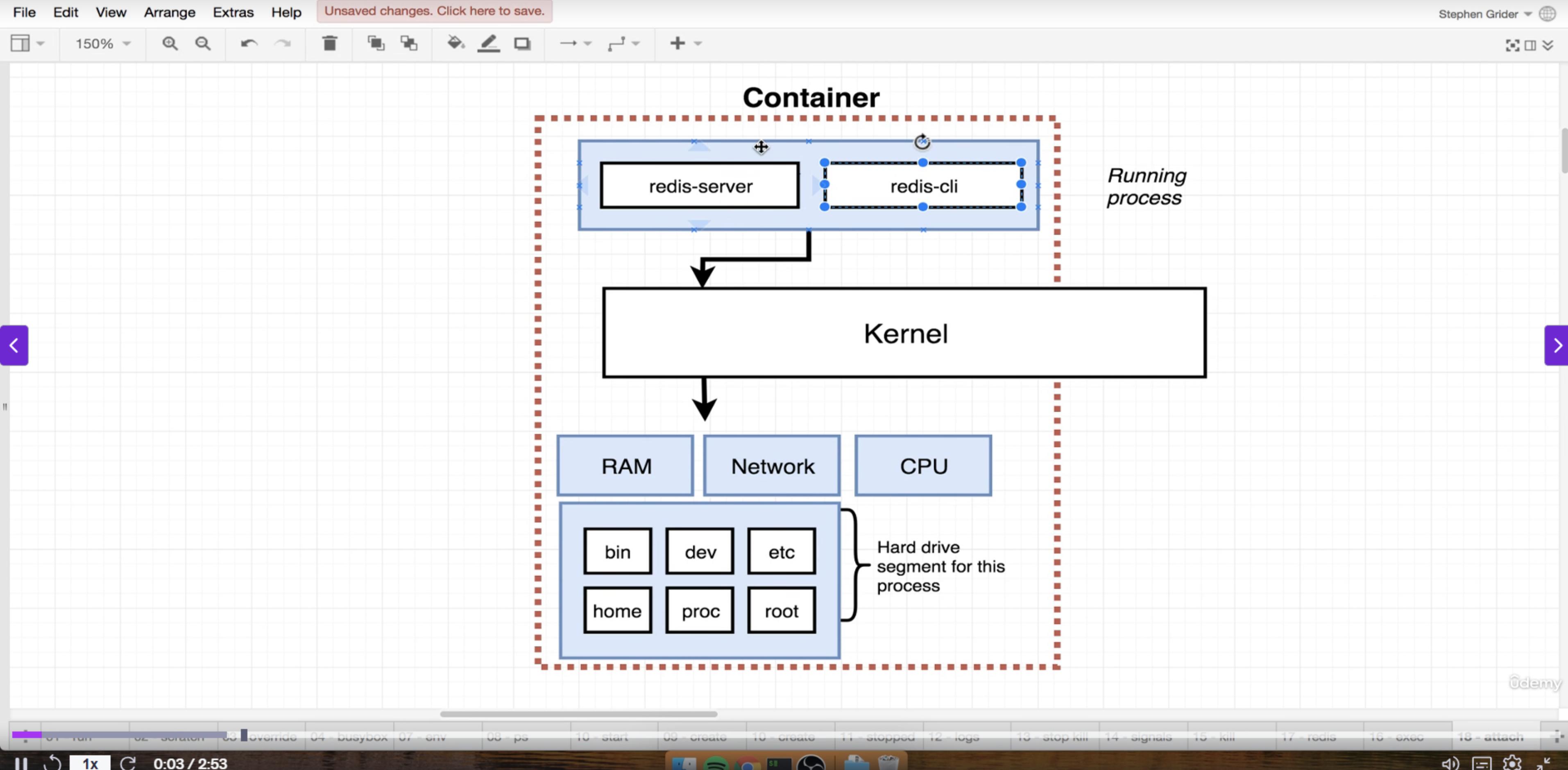
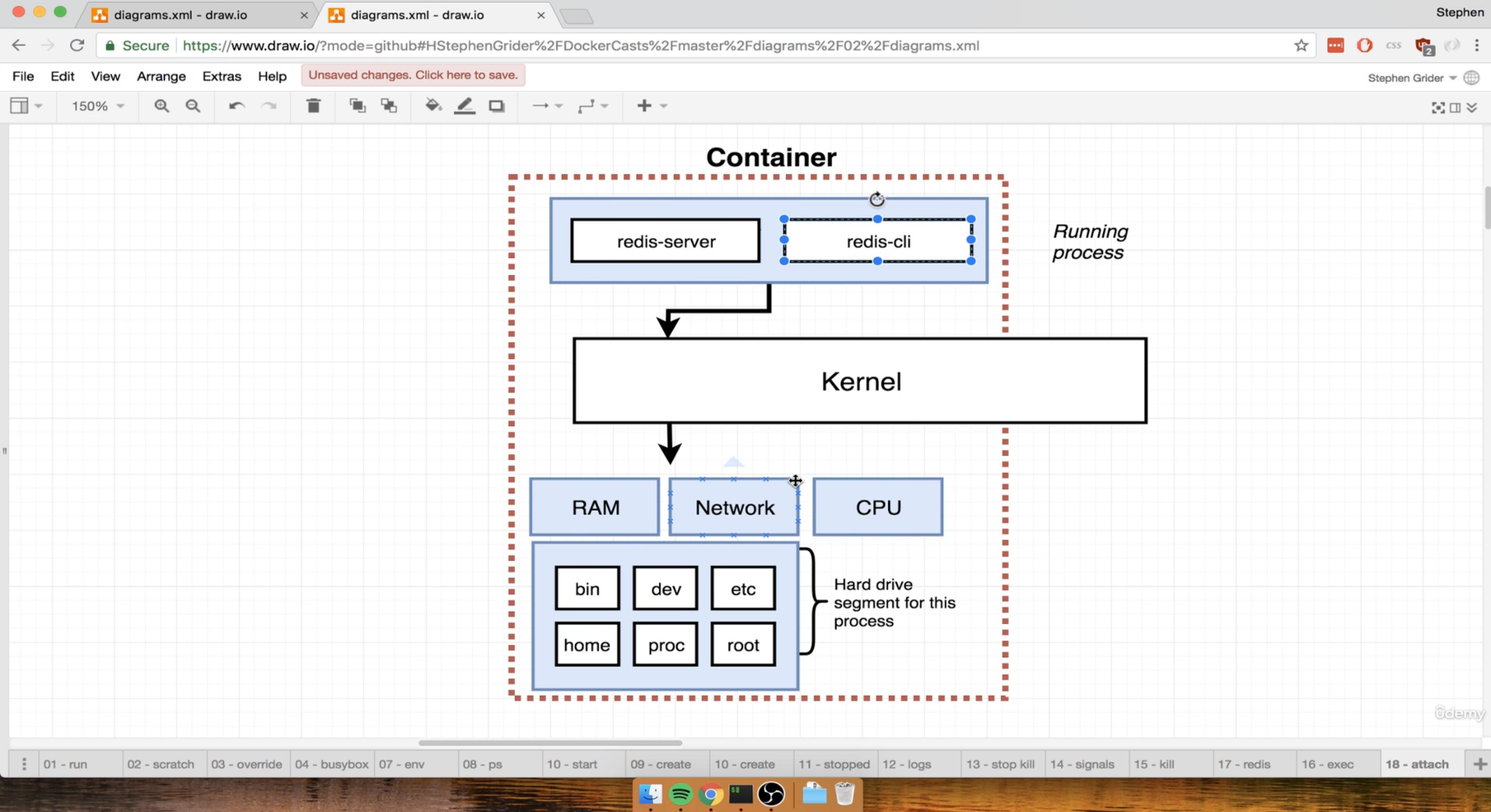


21. Executing Commands in Running Containers

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

150% 100% 125% 140% 150% 160% 175% 200% 250% 300% 400%

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

01 - run 02 - scratch 03 - override 04 - busybox 07 - env 08 - ps 10 - start 09 - create 10 - create 11 - stopped 12 - logs 13 - stop kill 14 - signals 15 - kill 17 - redis 16 - exec 18 - attach +

Udemy

docker (docker) ⌘1 ..orkspace/prod (zsh) ⌘2

1. docker run redis (docker)

is.conf

```
1:M 07 Aug 22:00:24.795 * Running mode=standalone, port=6379.
1:M 07 Aug 22:00:24.795 # WARNING: The TCP backlog setting of 511 cannot be
enforced because /proc/sys/net/core/somaxconn is set to the lower value of
128.
1:M 07 Aug 22:00:24.795 # Server initialized
1:M 07 Aug 22:00:24.795 # WARNING you have Transparent Huge Pages (THP) sup
port enabled in your kernel. This will create latency and memory usage issu
es with Redis. To fix this issue run the command 'echo never > /sys/kernel/
mm/transparent_hugepage/enabled' as root, and add it to your /etc/rc.local
in order to retain the setting after a reboot. Redis must be restarted afte
r THP is disabled.
1:M 07 Aug 22:00:24.795 * Ready to accept connections
```

{

redis-cli

Udemey



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

X docker (docker) #1 X ..orkspace/prod (zsh) #2

→ prod git:(master) ✘ docker ps

CONTAINER ID	IMAGE	COMMAND	CREATED
STATUS		PORTS	NAMES
093b6e72ff2b ago	redis	"docker-entrypoint.s..." 6379/tcp	3 minutes jovial_leakey
→ prod git:(master) ✘			



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

X docker (docker) #1 X ..orkspace/prod (zsh) #2

→ prod git:(master) ✘ docker ps

CONTAINER ID	IMAGE	COMMAND	CREATED
STATUS		PORTS	NAMES
093b6e72ff2b ago	redis	"docker-entrypoint.s..." 6379/tcp	3 minutes jovial_leakey
→ prod git:(master) ✘			



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

X docker (docker) #1 X ..orkspace/prod (zsh) #2

→ prod git:(master) ✘ docker ps

CONTAINER ID	IMAGE	COMMAND	CREATED
STATUS		PORTS	NAMES
093b6e72ff2b ago	redis	"docker-entrypoint.s..."	3 minutes
Up 3 minutes		6379/tcp	jovial_leakey
→ prod git:(master) ✘ docker exec -it 093b6e72ff2b			

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

X docker (docker) #1 X ..orkspace/prod (zsh) #2

→ prod git:(master) ✘ docker ps

CONTAINER ID	IMAGE	COMMAND	CREATED
STATUS		PORTS	NAMES
093b6e72ff2b ago	redis	"docker-entrypoint.s..." 6379/tcp	3 minutes jovial_leakey
→ prod git:(master) ✘ docker exec -it 093b6e72ff2b redis-cli			

1. docker exec -it 093b6e72ff2b redis-cli (docker)

CONTAINER ID	IMAGE	COMMAND	CREATED
STATUS		PORTS	NAMES
093b6e72ff2b ago	redis	6379/tcp	"docker-entrypoint.s..."
	Up 3 minutes		jovial_leakey
→ prod git:(master) ✘ docker exec -it 093b6e72ff2b redis-cli			3 minutes
127.0.0.1:6379>			

1. docker exec -it 093b6e72ff2b redis-cli (docker)

CONTAINER ID	IMAGE	COMMAND	CREATED
STATUS		PORTS	NAMES
093b6e72ff2b ago	redis	6379/tcp	"docker-entrypoint.s..."
Up 3 minutes			jovial_leakey
→ prod git:(master) ✘ docker exec -it 093b6e72ff2b redis-cli			
127.0.0.1:6379> set myvalue 5			
0K			
127.0.0.1:6379> ge			

1. docker exec -it 093b6e72ff2b redis-cli (docker)

CONTAINER ID	IMAGE	COMMAND	CREATED
STATUS		PORTS	NAMES
093b6e72ff2b ago	redis	6379/tcp	"docker-entrypoint.s..."
Up 3 minutes			jovial_leakey
→ prod git:(master) ✘ docker exec -it 093b6e72ff2b redis-cli			
127.0.0.1:6379> set myvalue 5			
0K			
127.0.0.1:6379> get myvalue			
"5"			
127.0.0.1:6379>			

1. docker exec -it 093b6e72ff2b redis-cli (docker)

CONTAINER ID	IMAGE	COMMAND	CREATED
STATUS	PORTS	NAMES	
093b6e72ff2b ago	redis Up 3 minutes	6379/tcp "docker-entrypoint.s..."	3 minutes jovial_leakey
→ prod git:(master) ✘ docker exec -it 093b6e72ff2b redis-cli	127.0.0.1:6379> set myvalue 5		
0K			
127.0.0.1:6379> get myvalue			
"5"			
127.0.0.1:6379>	█	█	

```
1. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (docker)
× docker (docker) ⌘1 × ..workspace/prod (doc... ⌘2

→ prod git:(master) ✘ docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED            STATUS              PORTS
STATUS
093b6e72ff2b        redis              "docker-entrypoint.s..."   3 minutes ago      Up 3 minutes       6379/tcp
→ prod git:(master) ✘ docker exec -it 093b6e72ff2b redis-cli
127.0.0.1:6379> set myvalue 5
OK
127.0.0.1:6379> get myvalue
"5"
127.0.0.1:6379>
→ prod git:(master) ✘
→ prod git:(master) ✘ █
```

X docker (docker) #1 X ..orkspace/prod (zsh) #2

→ prod git:(master) ✘ docker ps

CONTAINER ID	IMAGE	COMMAND	CREATED
STATUS		PORTS	NAMES

093b6e72ff2b ago	redis	6379/tcp	"docker-entrypoint.s..." jovial_leakey	3 minutes
---------------------	-------	----------	---	-----------

→ prod git:(master) ✘ docker exec -it 093b6e72ff2b redis-cli

127.0.0.1:6379> set myvalue 5
OK

127.0.0.1:6379> get myvalue
"5"

127.0.0.1:6379>

→ prod git:(master) ✘

→ prod git:(master) ✘ docker exec 093b6e72ff2b █

X docker (docker) #1 X ..orkspace/prod (zsh) #2

→ prod git:(master) ✘ docker ps

CONTAINER ID	IMAGE	COMMAND	CREATED
STATUS		PORTS	NAMES

093b6e72ff2b ago	redis	6379/tcp	"docker-entrypoint.s..." jovial_leakey	3 minutes
---------------------	-------	----------	---	-----------

→ prod git:(master) ✘ docker exec -it 093b6e72ff2b redis-cli

127.0.0.1:6379> set myvalue 5

OK

127.0.0.1:6379> get myvalue

"5"

127.0.0.1:6379>

→ prod git:(master) ✘

→ prod git:(master) ✘ docker exec 093b6e72ff2b redis-cli █

█

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

X docker (docker) #1 X ..orkspace/prod (zsh) #2

→ prod git:(master) ✘ docker ps

CONTAINER ID	IMAGE	COMMAND	CREATED
STATUS		PORTS	NAMES

093b6e72ff2b ago	redis	6379/tcp	"docker-entrypoint.s..." jovial_leakey	3 minutes
---------------------	-------	----------	---	-----------

→ prod git:(master) ✘ docker exec -it 093b6e72ff2b redis-cli

127.0.0.1:6379> set myvalue 5
OK

127.0.0.1:6379> get myvalue
"5"

127.0.0.1:6379>

→ prod git:(master) ✘

→ prod git:(master) ✘ docker exec 093b6e72ff2b redis-cli

→ prod git:(master) ✘ █

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

× docker (docker) #1 × ..orkspace/prod (zsh) #2

→ prod git:(master) ✘ docker ps

CONTAINER ID	IMAGE	COMMAND	CREATED
STATUS		PORTS	NAMES
093b6e72ff2b ago	redis	6379/tcp	"docker-entrypoint.s..." jovial_leakey
Up 3 minutes			

→ prod git:(master) ✘ docker exec -it 093b6e72ff2b redis-cli

127.0.0.1:6379> set myvalue 5

OK

127.0.0.1:6379> get myvalue

"5"

127.0.0.1:6379>

→ prod git:(master) ✘

→ prod git:(master) ✘ docker exec 093b6e72ff2b redis-cli

→ prod git:(master) ✘

Cancel

How did this section go?

Udemy