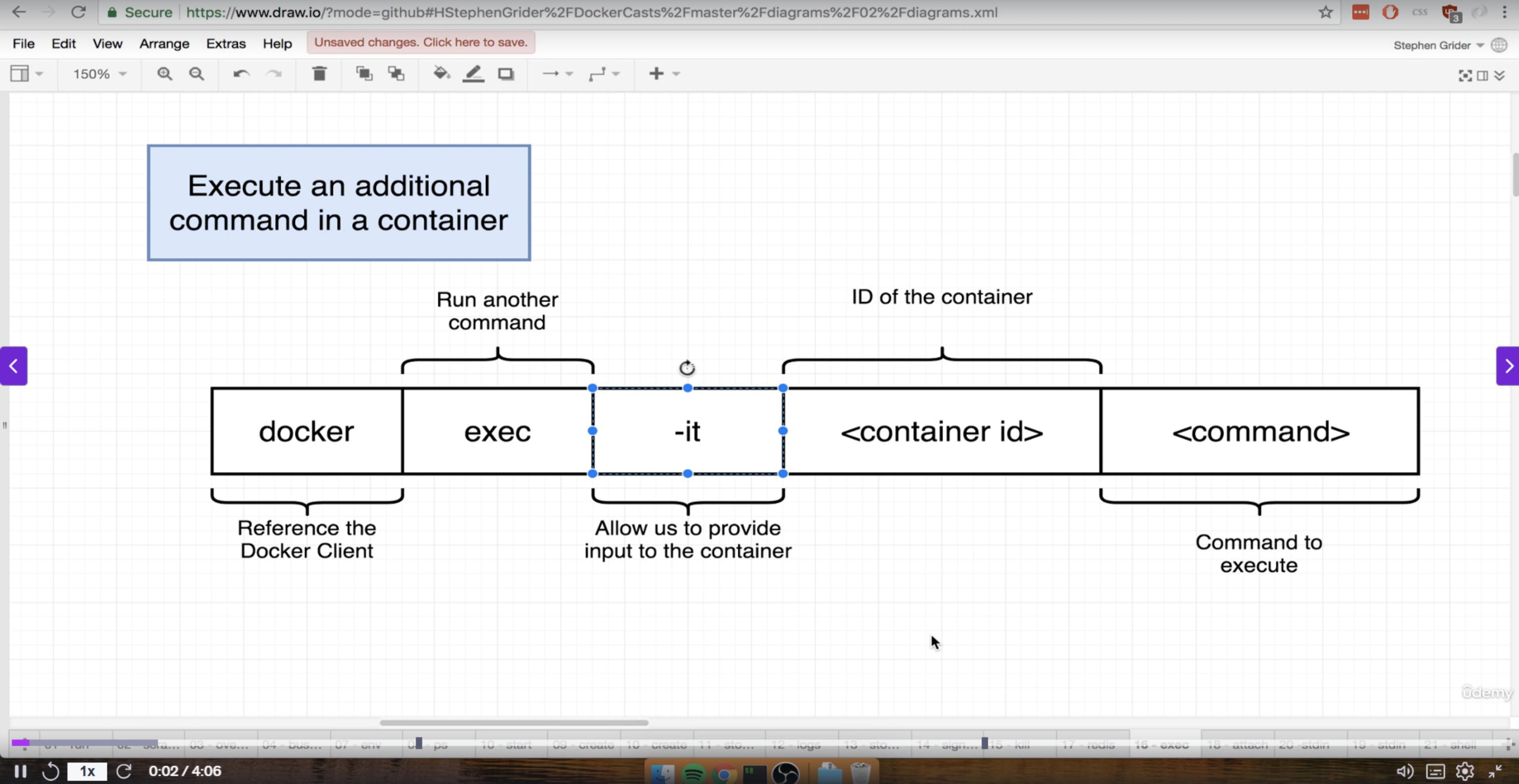


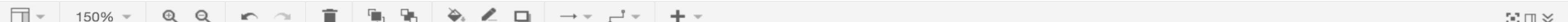
23. Getting a Command Prompt in a Container

Stephen

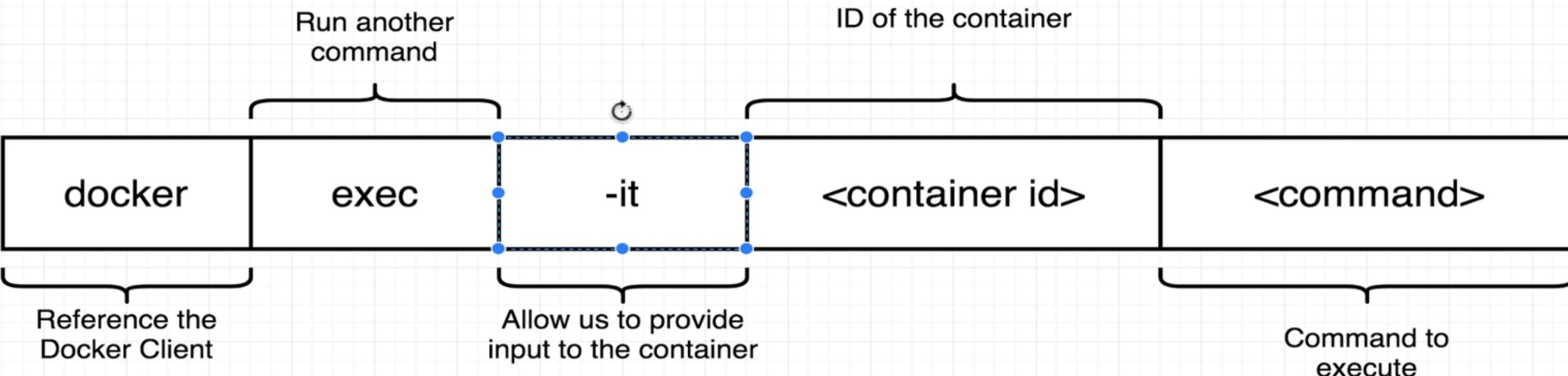




Stephen



Execute an additional command in a container



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

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

→ prod git:(master) |

}



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

1. docker run redis (docker)

```
1:C 07 Aug 22:32:35.441 # Redis version=4.0.11, bits=64, commit=00000000, m  
odified=0, pid=1, just started  
1:C 07 Aug 22:32:35.441 # Warning: no config file specified, using the defa  
ult config. In order to specify a config file use redis-server /path/to/red  
is.conf  
1:M 07 Aug 22:32:35.441 * Running mode=standalone, port=6379.  
1:M 07 Aug 22:32:35.441 # 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 22:32:35.441 # Server initialized  
1:M 07 Aug 22:32:35.441 # 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 22:32:35.441 * Ready to accept connections
```



docke (docker) 361 ..orkspace/prod (zsh) 362

1. docker run redis (docker)

```
→ prod git:(master) ✘ docker run redis
1:C 07 Aug 22:32:35.441 # o000o000o000o Redis is starting o000o000o000o
1:C 07 Aug 22:32:35.441 # Redis version=4.0.11, bits=64, commit=0000000, m
odified=0, pid=1, just started
1:C 07 Aug 22:32:35.441 # Warning: no config file specified, using the defa
ult config. In order to specify a config file use redis-server /path/to/red
is.conf
1:M 07 Aug 22:32:35.441 * Running mode=standalone, port=6379.
1:M 07 Aug 22:32:35.441 # 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 22:32:35.441 # Server initialized
1:M 07 Aug 22:32:35.441 # 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. stephengrider@stephens-MacBook-Pro: ~/workspace/DockerWorkspace/prod (zsh)

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

→ prod git:(master) |

|



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

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

stats Display a live stream of container(s) resource usage statistics

stop Stop one or more running containers
tag Create a tag TARGET_IMAGE that refers to SOURCE_IMAGE
top Display the running processes of a container
unpause Unpause all processes within one or more containers
update Update configuration of one or more containers
version Show the Docker version information
wait Block until one or more containers stop, then print their exit codes

Run 'docker COMMAND --help' for more information on a command.

→ prod git:(master) docker ps

CONTAINER ID	IMAGE	COMMAND	CREATED
STATUS	PORTS	NAMES	
4e3d15293585 ago	redis	"docker-entrypoint.s..."	5 minutes
	Up 5 minutes	gifted_jones	udemny

→ 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 exec -it 4e3d15293585 sh



1. docker exec -it 4e3d15293585 sh (docker)

× docker (docker) #1 × docker (docker) #2

```
→ prod git:(master) docker exec -it 4e3d15293585 sh
#
```

⇒





1. docker exec -it 4e3d15293585 sh (docker)

X docker (docker) #1 X docker (docker) #2

```
→ prod git:(master) docker exec -it 4e3d15293585 sh
# cd ~/
# 
```



1. docker exec -it 4e3d15293585 sh (docker)

```
→ prod git:(master) docker exec -it 4e3d15293585 sh
# cd ~/
# ls
# [REDACTED]
```

X docker (docker) #1 X docker (docker) #2

1. docker exec -it 4e3d15293585 sh (docker)

```
→ prod git:(master) docker exec -it 4e3d15293585 sh
# cd ~/
# ls
# cd /█
```



1. docker exec -it 4e3d15293585 sh (docker)

```
→ prod git:(master) docker exec -it 4e3d15293585 sh
# cd ~/
# ls
# cd /
# ls
bin    data   etc    lib     media   opt     root   sbin   sys    usr
boot   dev    home   lib64   mnt    proc    run    srv    tmp    var
# █
```

1. docker exec -it 4e3d15293585 sh (docker)

```
→ prod git:(master) docker exec -it 4e3d15293585 sh
# cd ~/
# ls
# cd /
# ls
bin    data   etc    lib     media   opt     root    sbin    sys     usr
boot   dev    home   lib64   mnt     proc    run     srv     tmp     var
# 
```

1. docker exec -it 4e3d15293585 sh (docker)

```
→ prod git:(master) docker exec -it 4e3d15293585 sh
# cd ~/
# ls
# cd /
# ls
bin    data   etc    lib     media   opt     root    sbin    sys     usr
boot   dev    home   lib64   mnt     proc    run     srv     tmp     var
# echo hi there
hi there
# e█
```

1. docker exec -it 4e3d15293585 sh (docker)

```
→ prod git:(master) docker exec -it 4e3d15293585 sh
# cd ~/
# ls
# cd /
# ls
bin    data   etc    lib     media   opt     root    sbin    sys     usr
boot   dev    home   lib64   mnt     proc    run     srv     tmp     var
# echo hi there
hi there
# export b=5
# echo $█
```

1. docker exec -it 4e3d15293585 sh (docker)

```
→ prod git:(master) docker exec -it 4e3d15293585 sh
# cd ~/
# ls
# cd /
# ls
bin    data   etc    lib     media   opt     root    sbin    sys     usr
boot   dev    home   lib64   mnt     proc    run     srv     tmp     var
# echo hi there
hi there
# export b=5
# echo $b
5
# █
```

X docker (docker) #1 X docker (docker) #2

1. docker exec -it 4e3d15293585 sh (docker)

```
→ prod git:(master) docker exec -it 4e3d15293585 sh
# cd ~/
# ls
# cd /
# ls
bin  data  etc  lib   media  opt   root  sbin  sys  usr
boot dev   home lib64 mnt    proc  run   srv   tmp  var
# echo hi there
hi there
# export b=5
# echo $b
5
# redis-cli
127.0.0.1:6379> █
```



X docker (docker) #1 X docker (docker) #2

1. docker exec -it 4e3d15293585 sh (docker)

```
→ prod git:(master) docker exec -it 4e3d15293585 sh
# cd ~/
# ls
# cd /
# ls
bin  data  etc  lib   media  opt   root  sbin  sys  usr
boot dev   home lib64 mnt    proc  run   srv   tmp  var
# echo hi there
hi there
# export b=5
# echo $b
5
# redis-cli
127.0.0.1:6379>
# ^C
# █
```



X docker (docker) #1 X docker (docker) #2

1. docker exec -it 4e3d15293585 sh (docker)

```
# cd /
# ls
bin  data  etc  lib   media  opt   root  sbin  sys   usr
boot dev   home lib64 mnt    proc  run   srv   tmp   var
# echo hi there
hi there
# export b=5
# echo $b
5
# redis-cli
127.0.0.1:6379>
# ^C
# █
```



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

× docker (docker) ⌘1 × ..orkspace/prod (doc... ⌘2

```
# ls
bin    data   etc    lib     media   opt     root   sbin   sys    usr
boot   dev    home   lib64   mnt    proc    run    srv    tmp    var
# echo hi there
hi there
# export b=5
# echo $b
5
# redis-cli
127.0.0.1:6379>
# ^C
# ^C
# ^C
# ^C
# ^C
# ^C
#
→ prod git:(master) □
```



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

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

```
# ls
bin  data  etc  lib  media  opt  root  sbin  sys  usr
boot  dev  home  lib64  mnt  proc  run  srv  tmp  var
# echo hi there
hi there
# export b=5
# echo $b
5
# redis-cli
127.0.0.1:6379>
# ^C
# ^C
# ^C
# ^C
# ^C
# ^C
#
→ prod git:(master) docker exec -it 4e3d15293585 sh
```



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

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

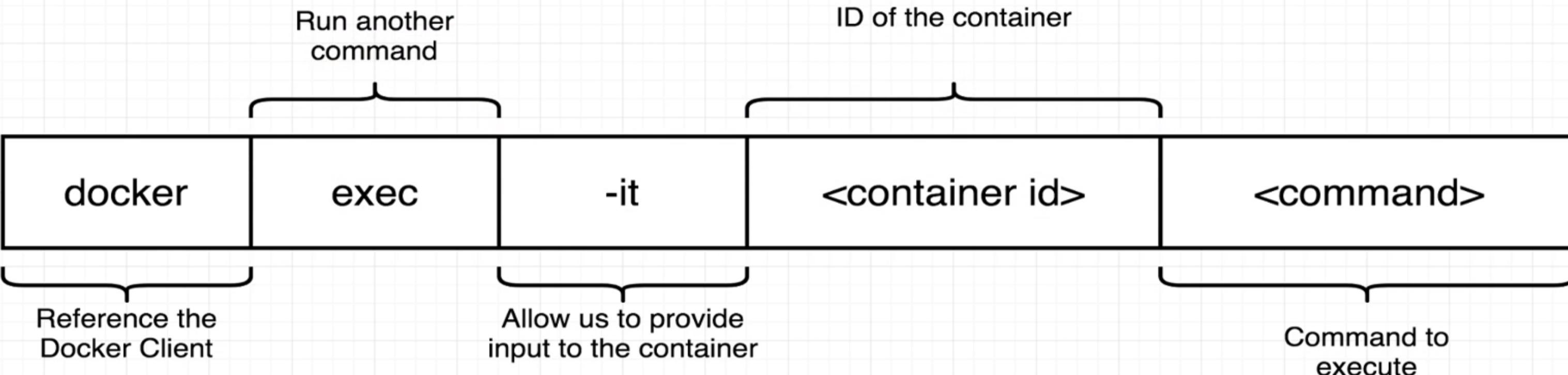
```
# ls
bin  data  etc  lib  media  opt  root  sbin  sys  usr
boot  dev  home  lib64  mnt  proc  run  srv  tmp  var
# echo hi there
hi there
# export b=5
# echo $b
5
# redis-cli
127.0.0.1:6379>
# ^C
# ^C
# ^C
# ^C
# ^C
# ^C
#
→ prod git:(master) docker exec -it 4e3d15293585 sh
```





Stephen

Execute an additional command in a container





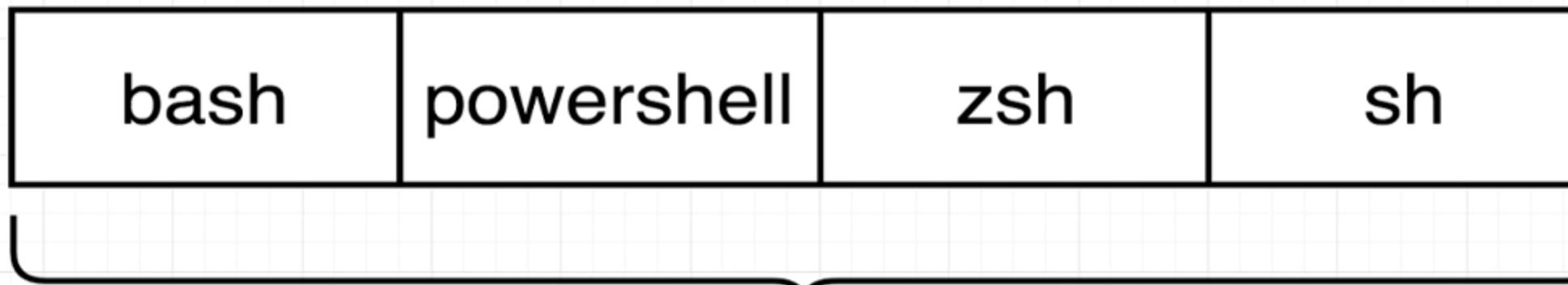
Stephen

File Edit View Arrange Extras Help

Unsaved changes. Click here to save.

Stephen Grider

150% 🔎 ↺ ↻ +



Command
Processors

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

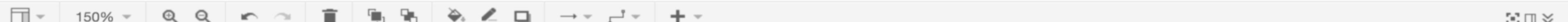
X docker (docker) #1 X ..orkspace/prod (zsh) #2

```
# ls
bin  data  etc  lib  media  opt  root  sbin  sys  usr
boot  dev  home  lib64  mnt  proc  run  srv  tmp  var
# echo hi there
hi there
# export b=5
# echo $b
5
# redis-cli
127.0.0.1:6379>
# ^C
# ^C
# ^C
# ^C
# ^C
# ^C
#
→ prod git:(master) docker exec -it 4e3d15293585 sh
```





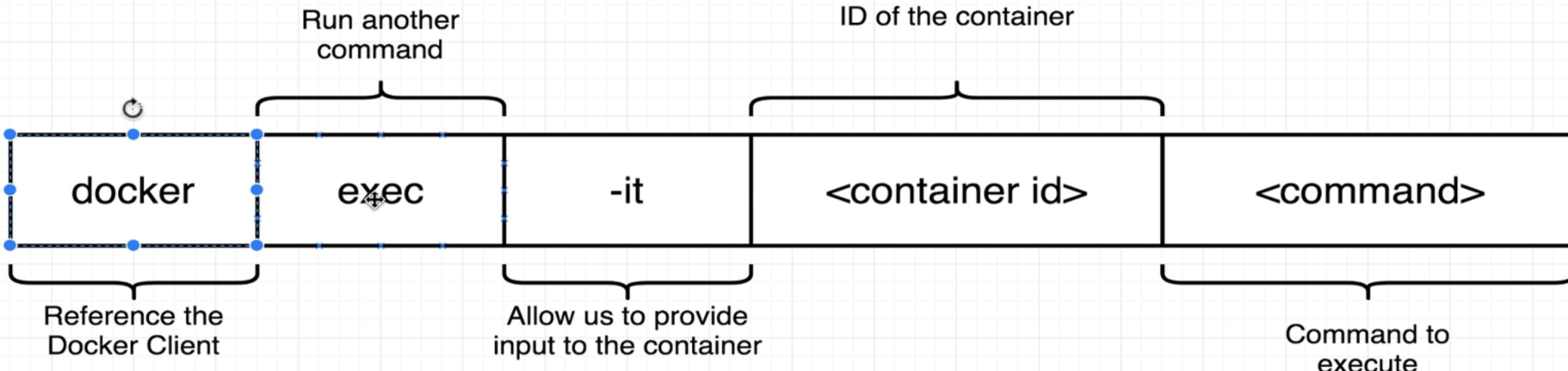
Stephen



150%



Execute an additional command in a container





Stephen

Execute an additional command in a container

Up next

24. Starting with a Shell

ID of the container

