

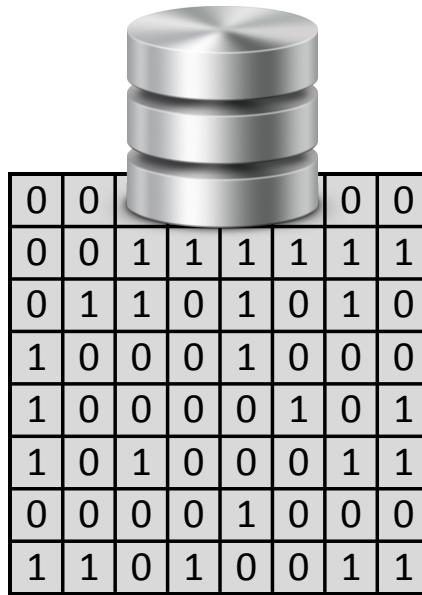
# The Test Stack

CODE			
VIRTUALIZATION			
CONFIG			
DATA			
HARDWARE	 		

Quality of Test Data	Low	High	
		Full production clones	Data as a Service
Low	Subsets Synthetic data	Shared data environments	High

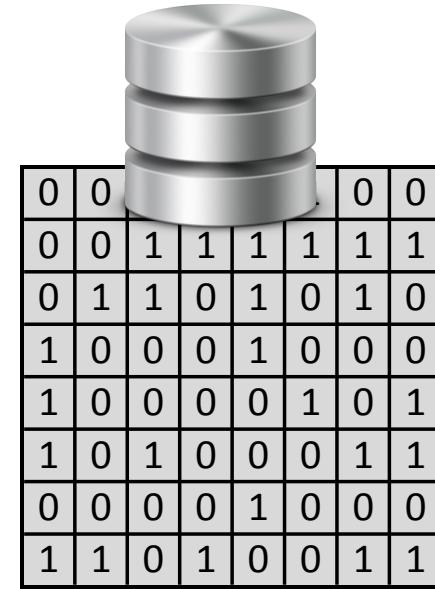
# Speed/Accessibility of Test Data

# Prod

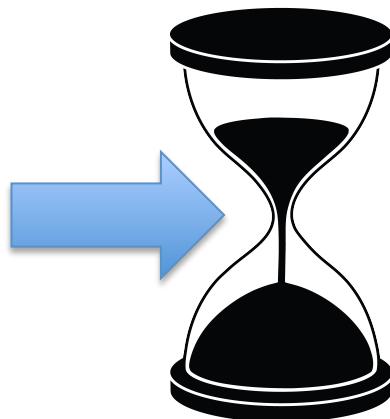
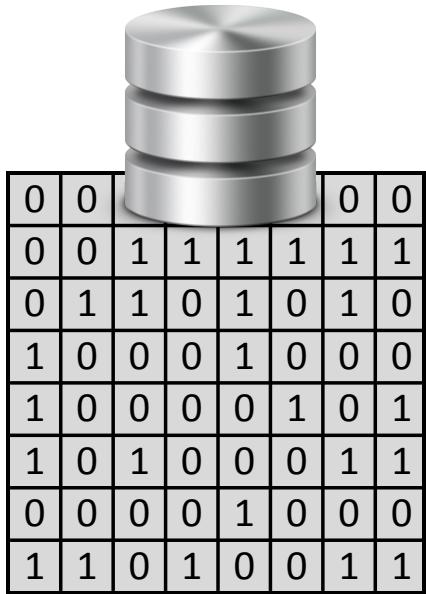


# Full copies

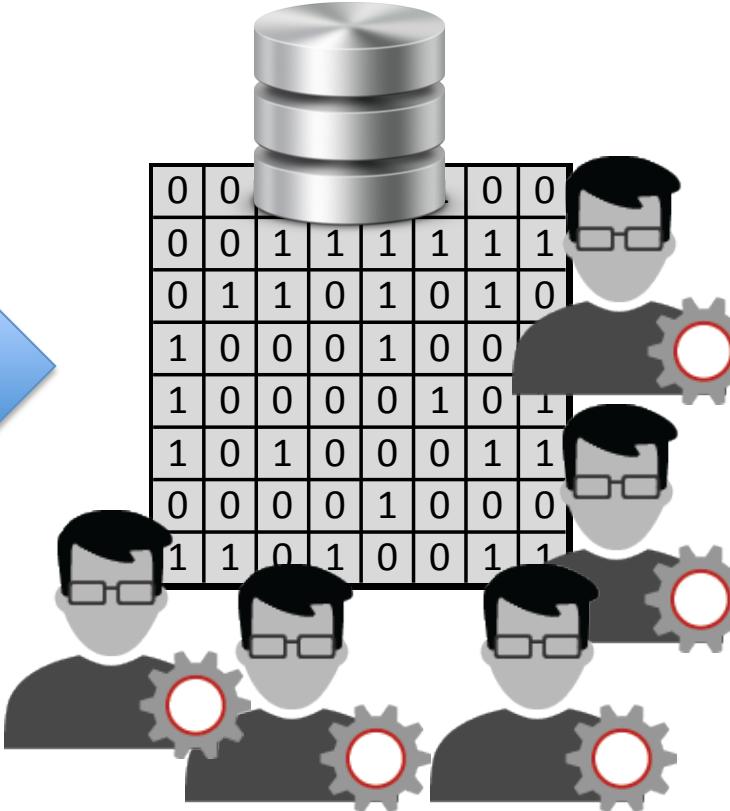
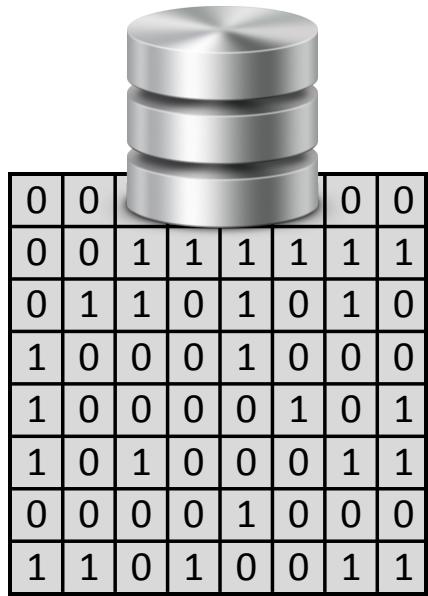
# Test



# Full copies



# Shared environments

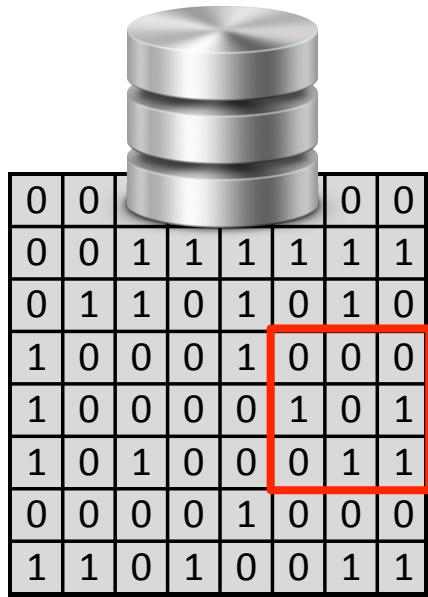


# Shared environments

0	0					0	0
0	0	1	1	1	1	1	1
0	1	1	0	1	0	1	0
1	0	0	0	1	0	0	0
1	0	0	0	0	1	0	1
1	0	1	0	0	0	1	1
0	0	0	0	1	0	0	0
1	1	0	1	0	0	1	1



# Subsets/Synthetic



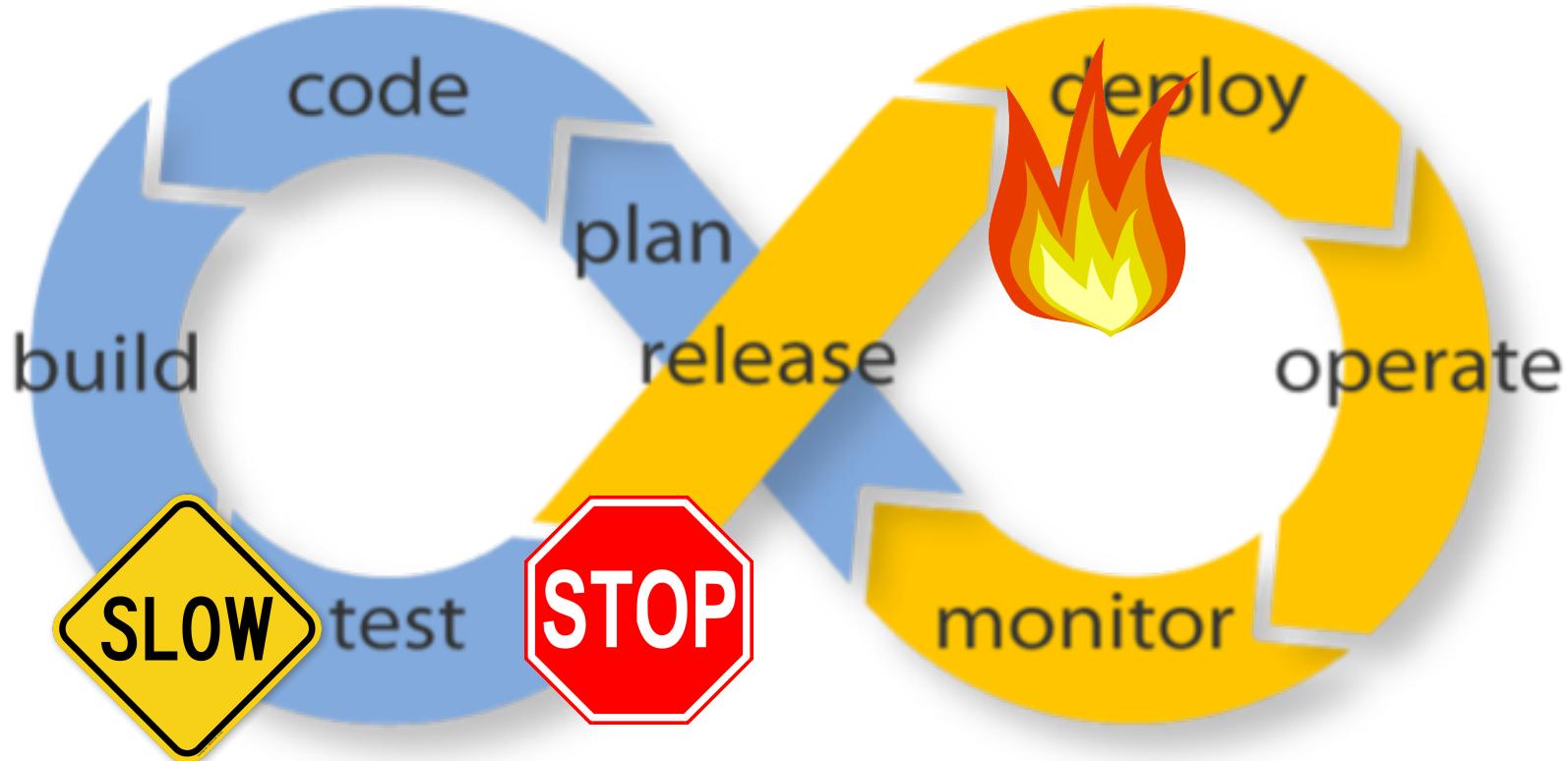
0	0	0
1	0	1
0	1	1



# **WORKED FINE IN DEV**



**OPS PROBLEM  
NOW**



# Data as a Service (DaaS)

# Data as a Service is:

Solutions that enable data delivery to and across application environments

- Automated
- As a self service
- In minutes

# Under the hood

Solutions rely on ZFS shared over NFS—  
sophisticated file management available over  
network

- Fully independent writable clones
- In-line dedupe
- Compression

# Data at DaaS Speed

Clone

(Full Process)

DAYS TO WEEKS

Clone

(Just copying)

HOURS TO DAYS

DaaS

MINUTES

# Matches Other DevOps Tools

Manual  DAYS TO WEEKS

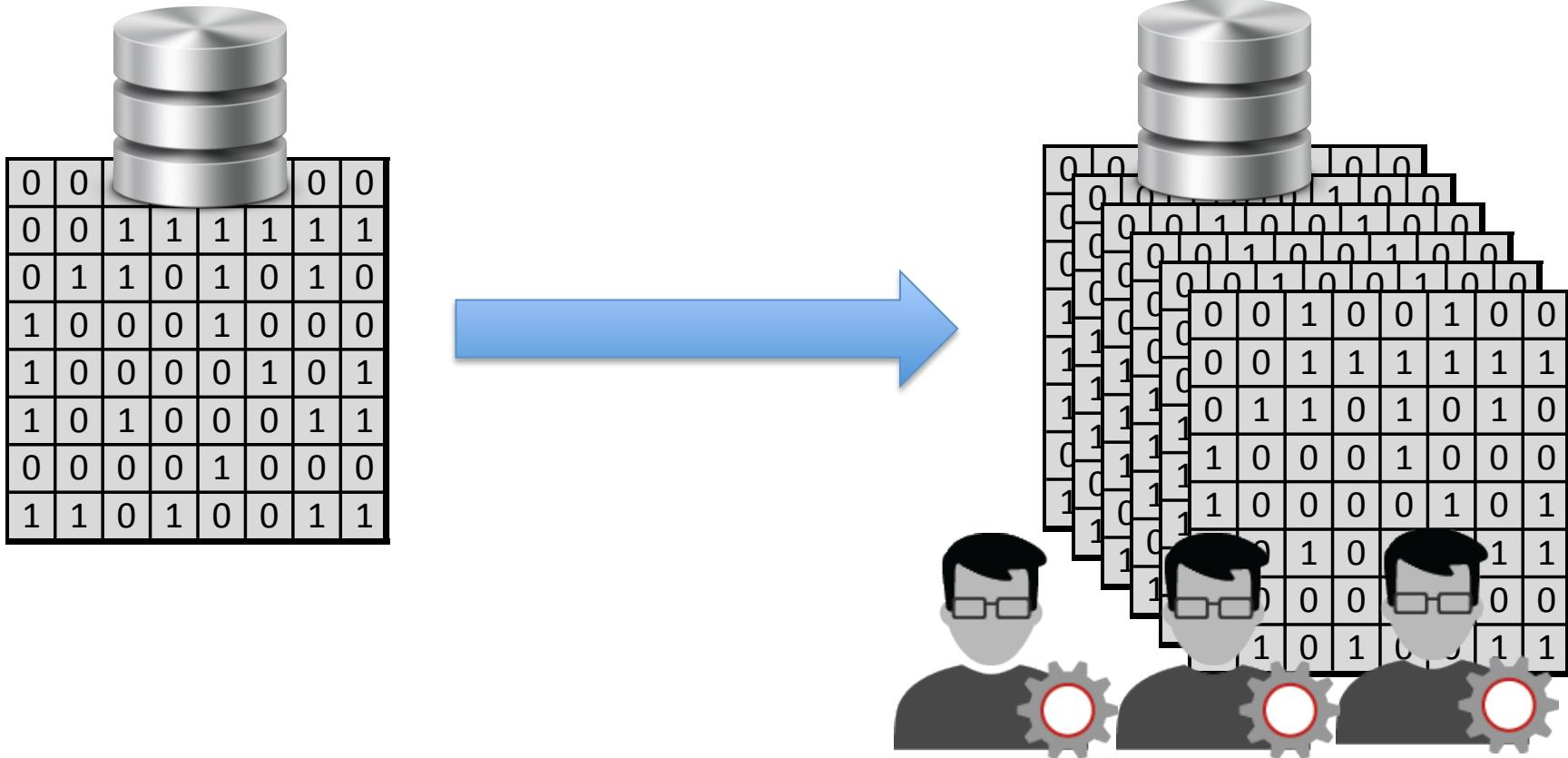
(Full Process)

Manual  HOURS TO DAYS

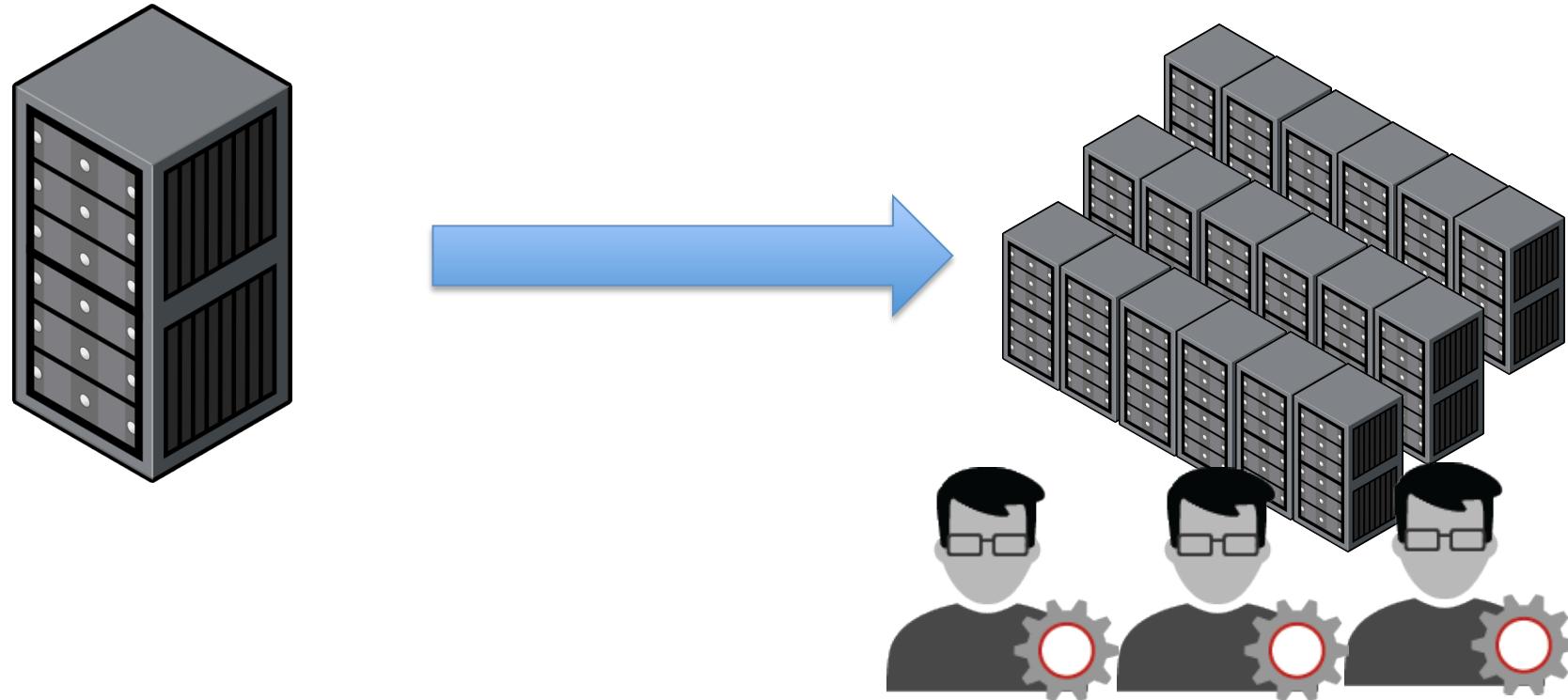
(Just execution)

Docker  MINUTES/SECONDS

# Quality at Scale



# Matches Other DevOps Tools



# Further benefits pt 1

Self-service



Admin oversight



# Further benefits pt 2

- Easy collaboration
- Data reset & rewind
- Integration
- Masked data delivery

But the most powerful benefits are  
waiting to be discovered . . .