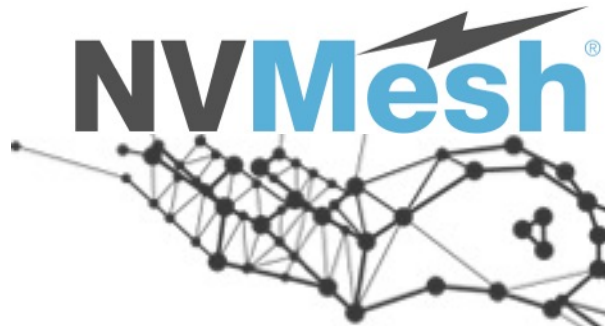


Achieving Lowest-Latency Storage with NVMe™



Flash Memory Summit, August 6, 2019




Who Is This Guy Who's Talking?





Josh Goldenhar,
VP Products,
Excelero, Inc.



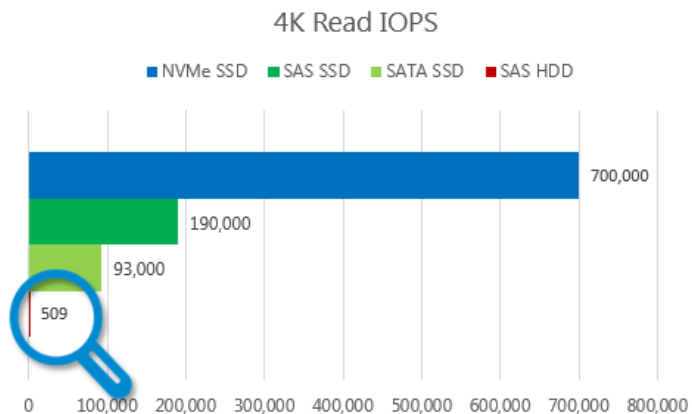
It's all about speeding up applications...

Performance = 

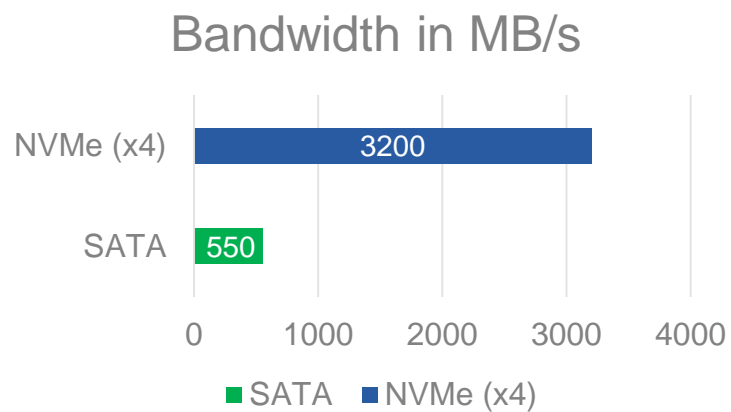
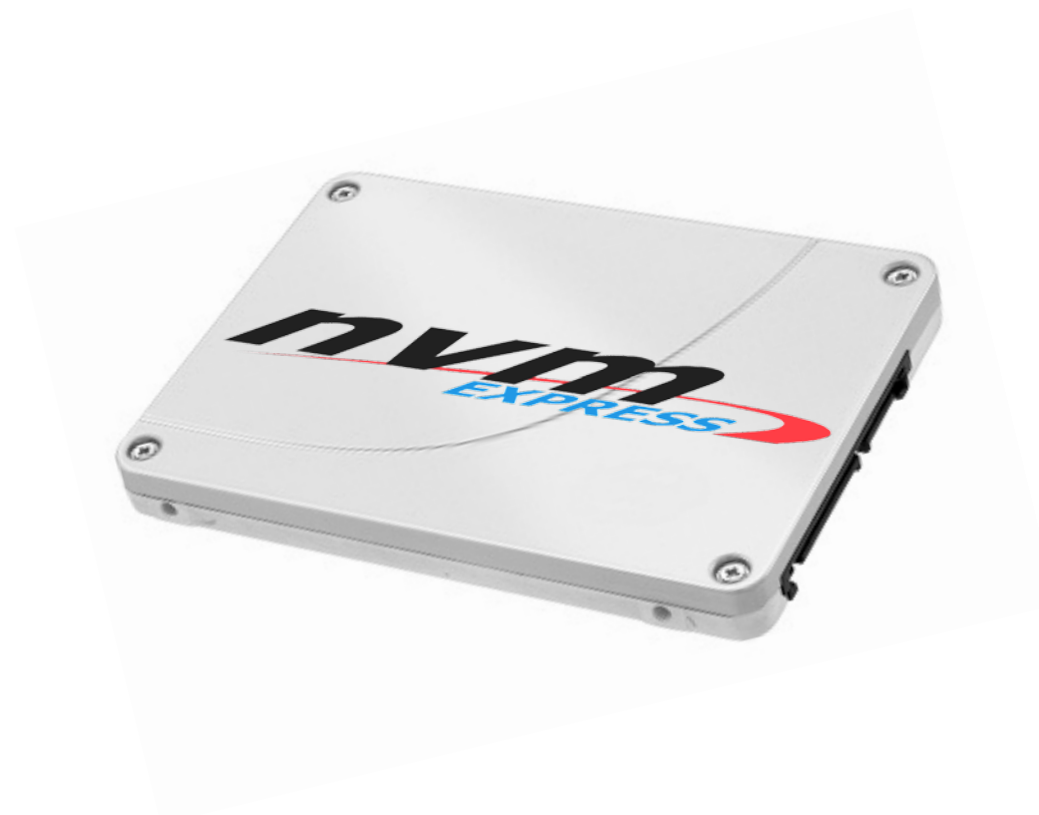
Managability, Efficiency and data protection = 



So Along Comes NVMe ...



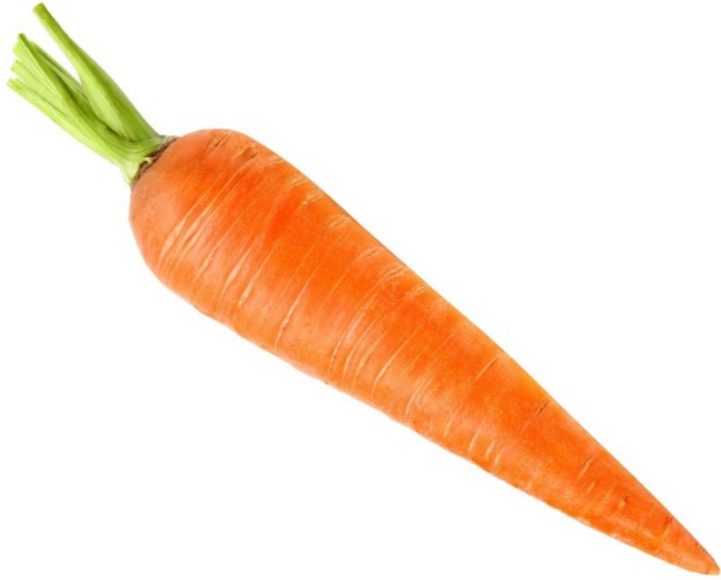
4x
IOPs



6x
Bandwidth

1/2 latency

An analogy is in order



Continuing the analogy...



This is a server using a SATA SSD...



This is a server using an NVMe SSD...



The solution is to share NVMe



But How?



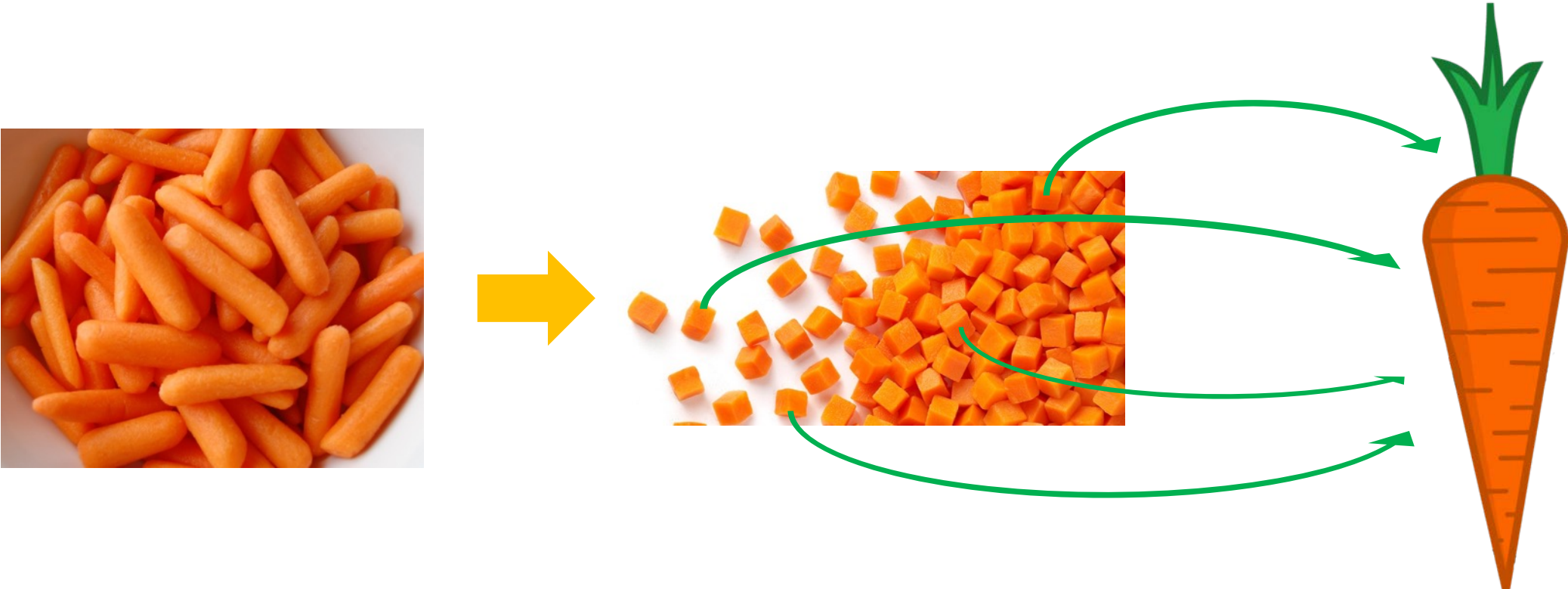
Tempting to say “NVMe-over-fabrics”

Just a protocol...



That gives you
“Remote DAS”

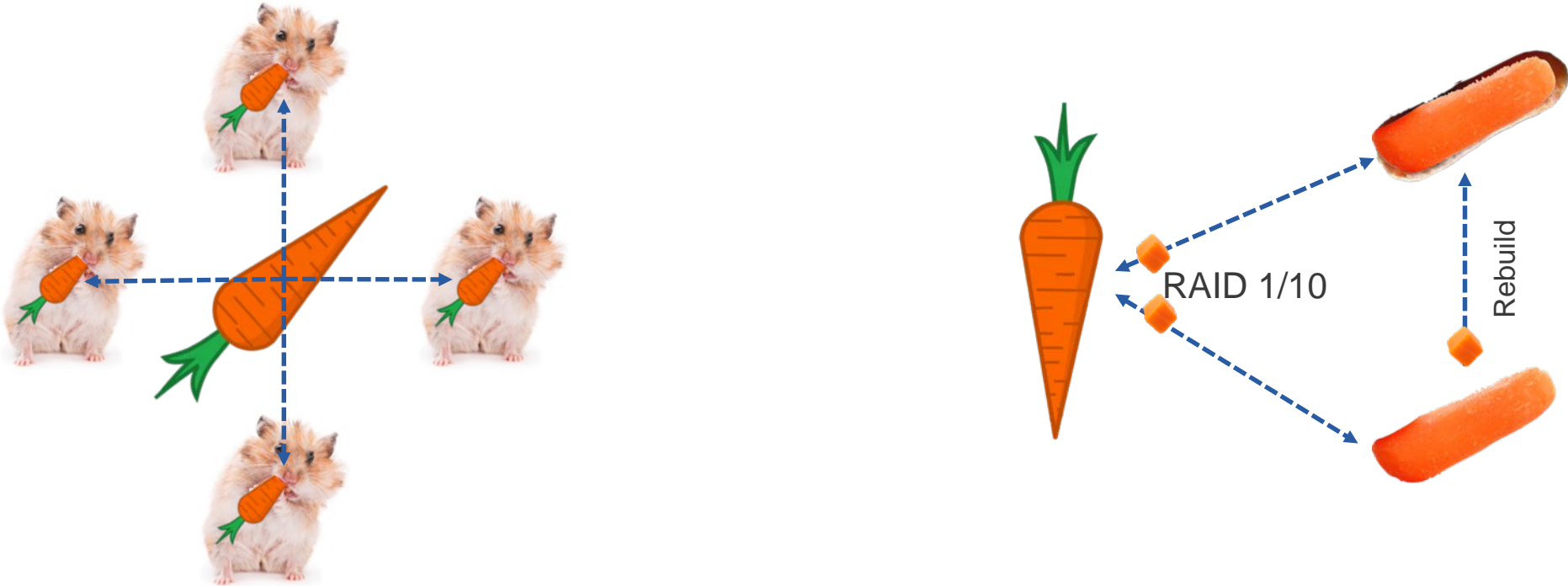
Better to turn a pool of NVMe drives into virtual NVMe drives



Virtual NVMe drives appear to the OS/Application as local drives



NVMesh virtual drives are better than local NVMe drives...



NVMesh virtual drives are better than local NVMe...



** No hamsters were harmed during the creation of this PowerPoint presentation

The solution should be Software



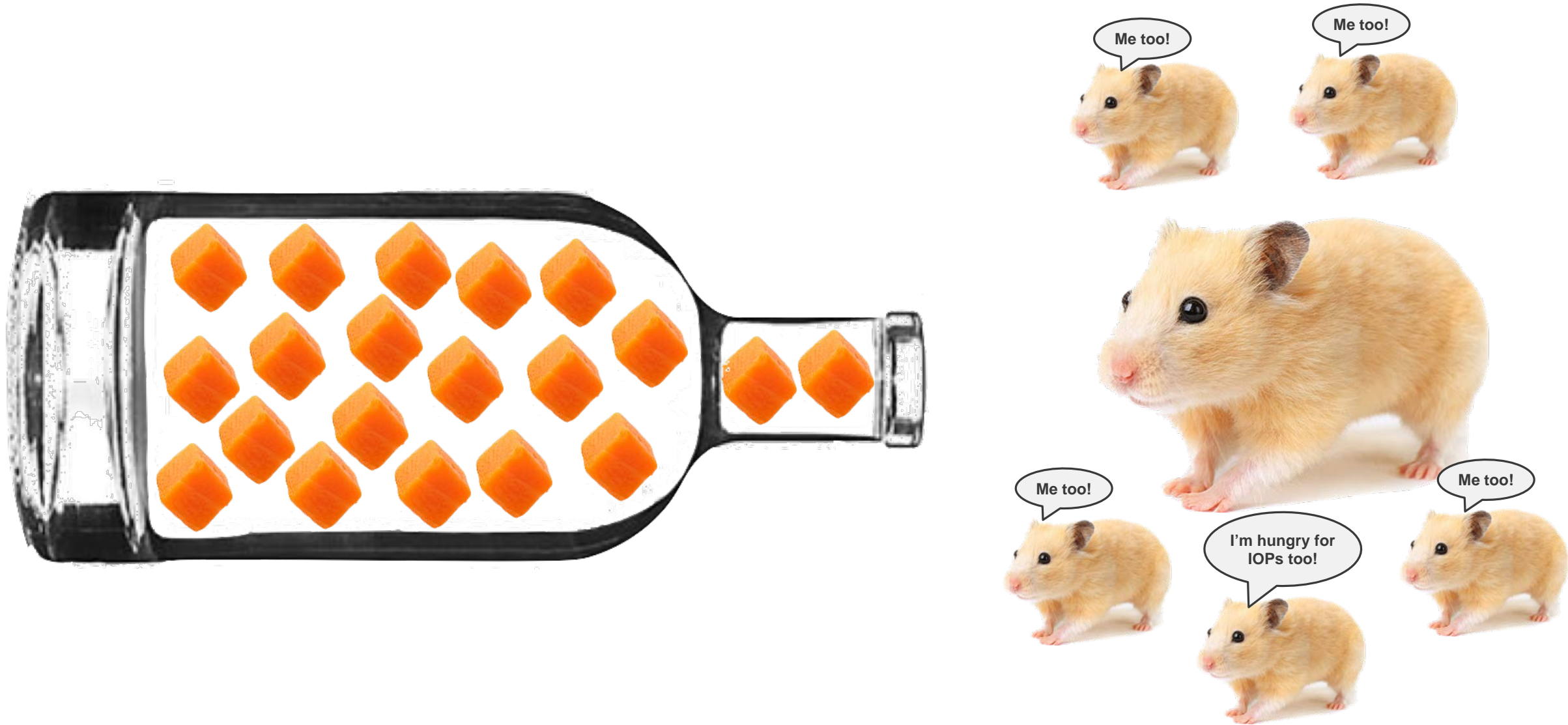
Some products are proprietary...



=



Traditional Arrays say they do/will use NVMe drives...



You want something that acts like SAN, on Ethernet

3 x the performance
and 1/2 the cost of
Fibre Channel 32
infrastructure

SAN **AREA** **LUN** **BLOCK** **OPERATIONS** **INFRASTRUCTURE**
NETWORK
STORAGE **LATENCY**
ARRAY **SYSTEM**



Thank you!