Driving BIG workloads

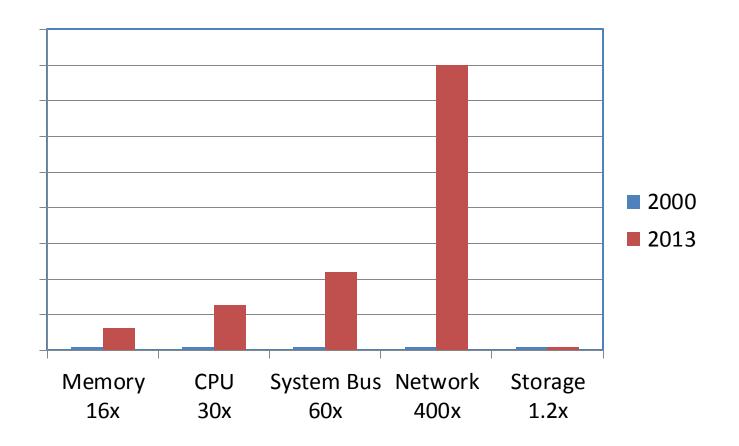




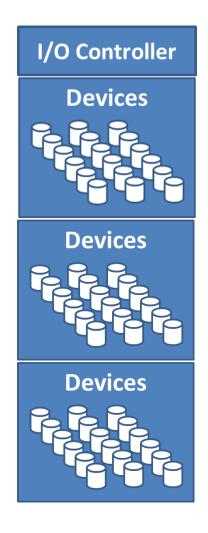
The world's fastest all flash, scale-out SAN:
The Kaminario K2

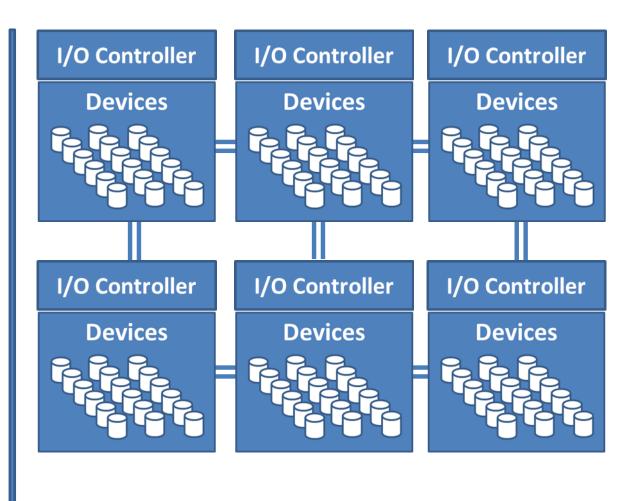
Hard drives - The bottleneck of the data center

 Over the last 10 years, speed and performance have followed Moore's law, except for rotating media!

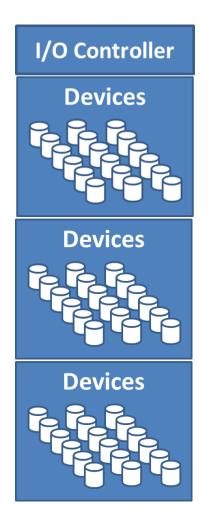


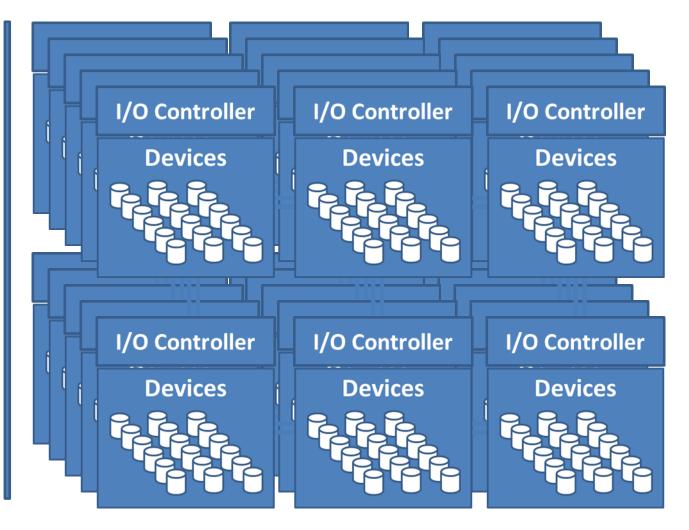
Scale-up versus scale-out



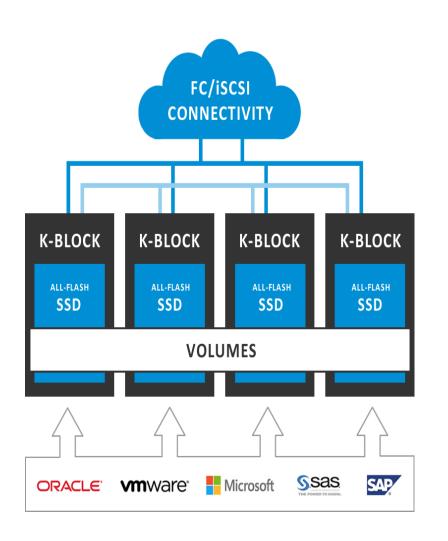


Scale-up versus scale-out





Kaminario K2 performance advantages



IOPS Advantage

- Scale-Out
- Optimized internal network

Throughput Advantage

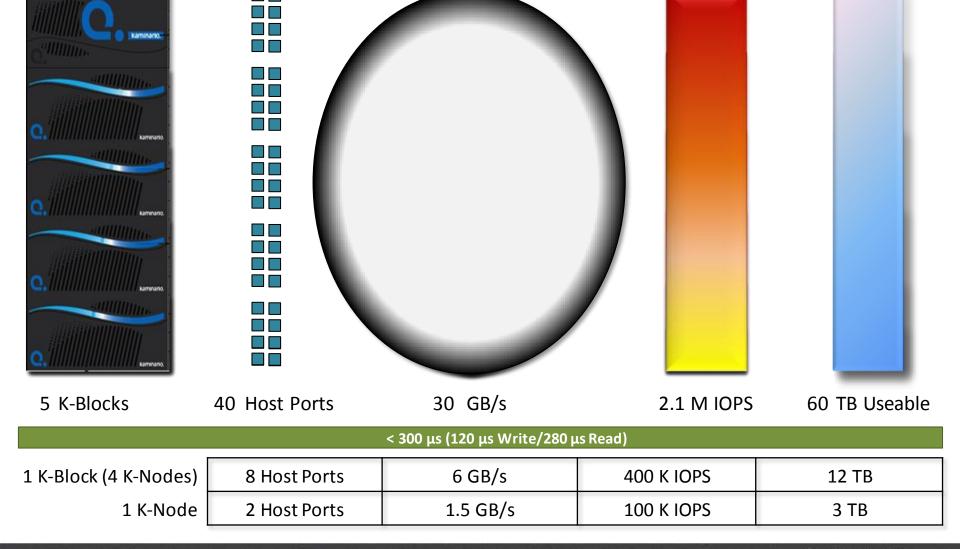
- Wide striped data <u>and</u> meta-data
- Variable block size

Latency Advantage

- Early host acknowledgement
- Optimized internal network

5 kaminario.

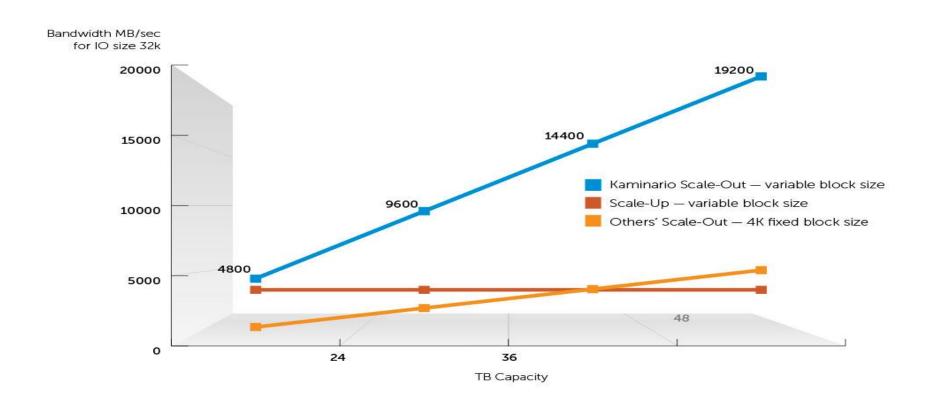
Linear scale of I/O and bandwidth + low latency



6

Bandwidth - Variable block size in context

MIXED DATABASE WORKLOAD - 32KB IO, 90% READ / 10% WRITE



Case Study – Conatus Capital

Application Environment

- Data warehouse and reporting on SQL Server + VMware ESX
- Historical data and charting reports
- Real time searches and queries

Challenge

- Improve the response time of the historical reporting and real time queries
- Improve system and application startup in the ESX environment

Conatus Capital business objectives

Significantly reduce the burden of large data analysis

 Give the traders the ability to make decisions in a more timely manner

Do not sacrifice high availability or data protection

Conatus Capital technical results

 Charting response time reduced from over 1 minute to just seconds

 System and application startup time improved by 600%

Daily data loading reduced from
 ~6 hours to less than 90 minutes

Kaminario K2 Capacity: 6TB



Conatus Capital business results and ROI



200% improvement dollars / performance



Reduced power consumption and cooling load

11 kamınarıo.

Conatus Capital customer quotes

"The K2 let us put the VMware system on much faster storage...without trading-off high availability and data protection. Kaminario has a proven track record of high availability and data protection with no single point of failure, yet still maintains consistent high performance."

"With the K2, we will be able to conduct deeper market analysis in a shorter time while also improving the workflow for our end users."

...Hans Bleuel, Chief Technology Officer



12 Kaminario.