



Do More With Less: Accelerate Oracle RAC with Fusion-io and Mellanox

Save cost and increase performance over traditional full rack solutions by utilizing Fusion's ION Accelerator

	Oracle RAC with ION Accelerator [®] Solution	Comparable System #1	Comparable System #2
Rack Size	<18U	Full	Full
Cores	64	128	192
Database Servers	4	8	8
Storage Servers	4	14	14
Mirrored Data File Flash Storage	19.2 TB	0	0
Mirrored Data File Disk Storage	0	20 TB	40TB
Read IOPS	2,578,000	1,500,000	2,660,000
Oracle Core Based License Cost	1x	2x	3x
IOPS per Oracle License Cost	2,578,000	750,000	887,000

EFFICIENCY THROUGH COLLABORATION

Fusion-io, Dell and Mellanox have teamed together to build a faster, lower cost, solution for Oracle RAC 12c using just 16U of hardware.

MAKING COST A PRIORITY

This solution not only reduces hardware sprawl and power consumption, by achieving higher performance in a smaller footprint, but it also reduces core-based licensing fees by up to 66%.

HIGHLY AVAILABLE AND HIGHLY SCALABLE

Initially utilizing four ION Data Accelerators, two Mellanox SX6036 switches and four Oracle RAC database nodes, our Oracle RAC solution allows customers to scale without service interruptions.

HIGH CAPACITY STORAGE AND PERFORMANCE

Our Solution delivers 40GB of bandwidth and 2.5 million 8K IOPS through Mellanox 56GB InfiniBand adapters, while ION Accelerator and Fusion's ioDrive2 Duo's provide 19.2TB of all flash storage.

TAKE A TEST DRIVE

This solution is live and available for customer POCs in the Dell Solution Center in Round Rock, TX. To kick off an engagement contact dell@fusionio.com, or visit dellteam.fusionio.com for the complete whitepaper.



FUSION-io