

Enkitech Exadata Open House





Why Exadata?

Better

- Reduced Implementation Time
- Balanced, Scalable Configuration

Faster

- Performance, Performance, Performance

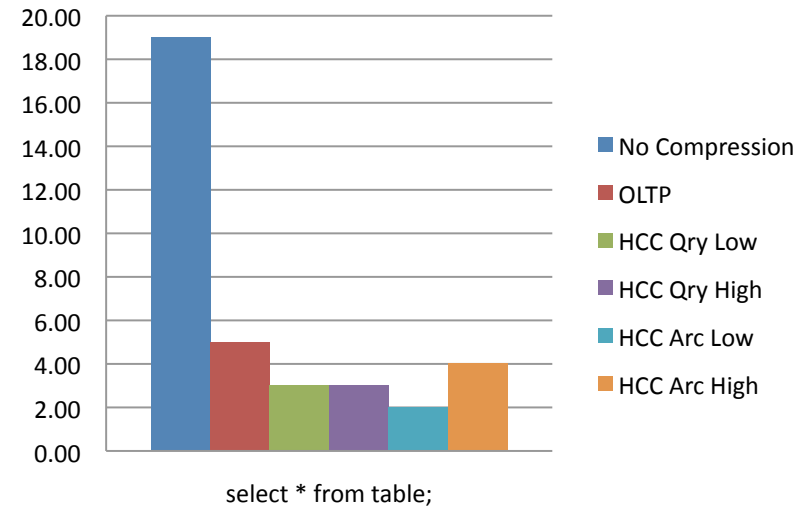
Lower Cost

- Consolidation and Simplification
- Lower TCO Across-the-Board



Fast Deployment Example: Direct Marketing Company

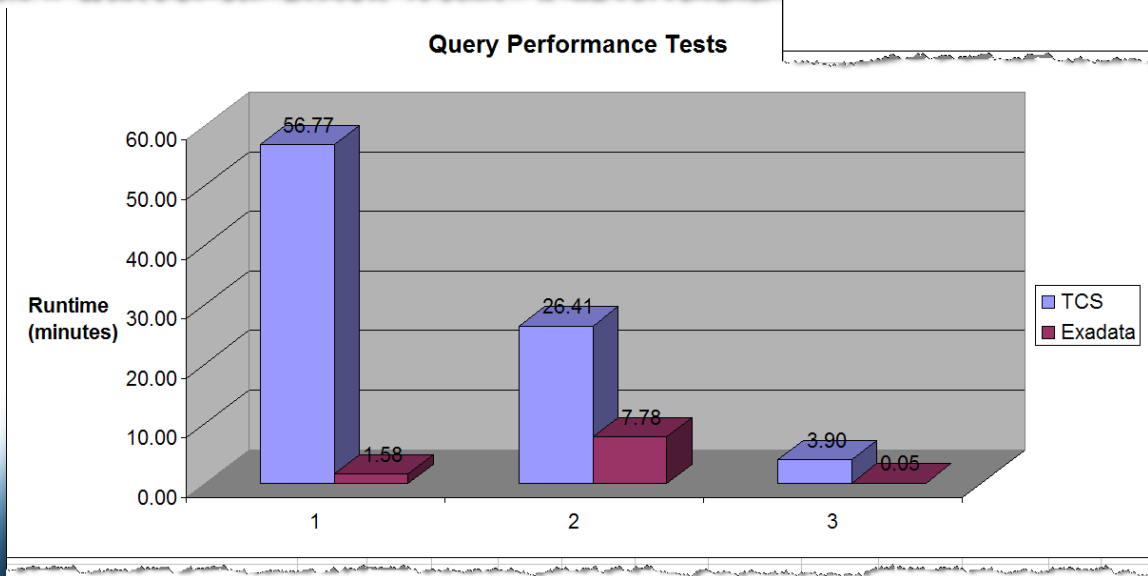
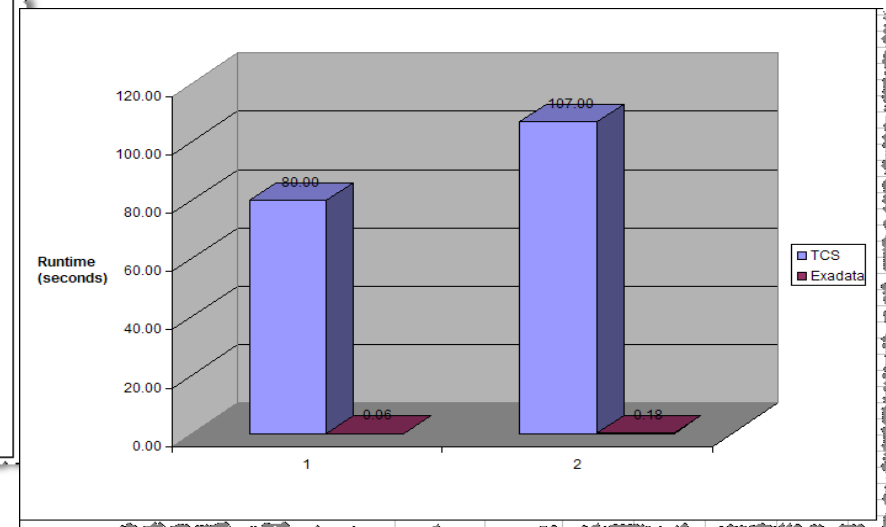
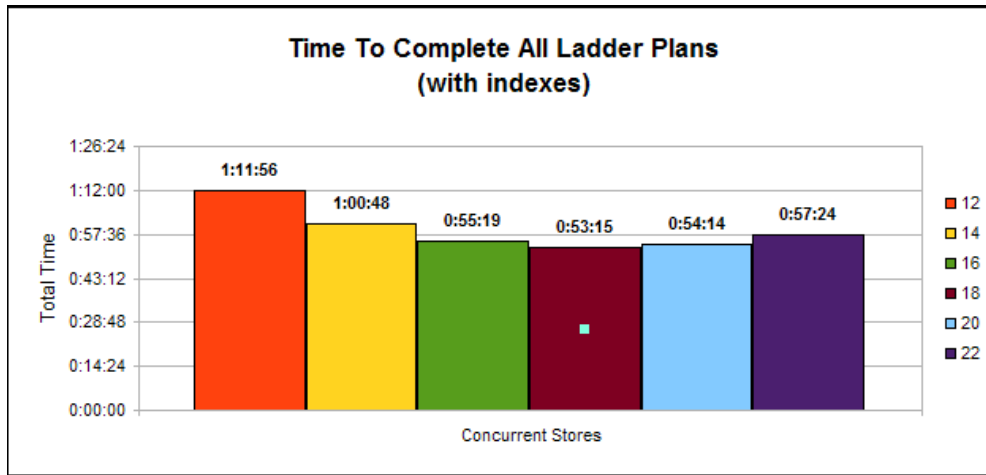
- First ¼ Rack Exadata Rack System in Production in about 2 weeks
- Staff DBA created initial database using DBCA
- 3 Production Databases running in 2 months
- Second Exadata ¼ Rack used as Dataguard Physical Standby



Compression Ratios		
Compression Type	GB	Compression Ratio
None	33.49	0%
Advanced Compression	10.51	219%
HCC For Query Low	5.05	563%
HCC For Query High	3.04	1002%
HCC For Archive Low	2.67	1153%
HCC For Archive High	2.29	1360%



Performance Example: Mid Size Retailer



Performance Example: Mid Size Retailer

Current Stats:

- Currently runs on M5000 with 32 cores
- Test 1: Nightly forecast runs multithreaded **4 stores at a time**, and typically takes **2.75 hours** to complete
- Test 2: PO Build Plan process which runs approx **90-120 seconds** currently
- Test 3: Three ad hoc queries running **56 minutes, 27 minutes, and 4 minutes** respectively

Exadata Results:

- Tested on ¼ Rack Exadata with 16 cores
- Test 1: Parallel factor of **18 stores at a time**, Best forecast run approx **53 minutes** for all stores
- Test 2: PO Build Plans completed in approx **.2 seconds**
- Test 3: Queries completed in **4.5 minutes, 8 minutes, and 5 seconds** respectively
- Non-required Indices removed which reduced space by 25% and reduced runtime by approx 30%



Consolidation Example: Large Direct Marketing Firm

Current Stats:

Non-scalable business model: New customers required dedicated hw/sw platforms, slow onboarding, complex, expensive management. Nine current customers required:

- 29 different DB instances
- 21 different servers
- 3 different OS versions
- 7 different versions of Oracle DB
- 6 different BI/Analytics apps
- 3 different ETL tools
- and a partridge in a pear tree

Exadata Results:

Consolidation into (2) Full Exadata RACs

- Carved out 1/4 Rack for Dev/Test/UAT
- Prod DB instances reduced to 9
- Five “cluster groups” allow resource sharing with segmentation
- Created DB and IORM Resource Management policies to ensure consistent response times
- One version of Oracle DB/OS/HW
- One vendor for Support
- Centralized management via OEM
- Reducing and standardizing on fewer 3rd party apps/tools



Exadata 5 Year Total Cost of Ownership Comparison

5 Year Comparison

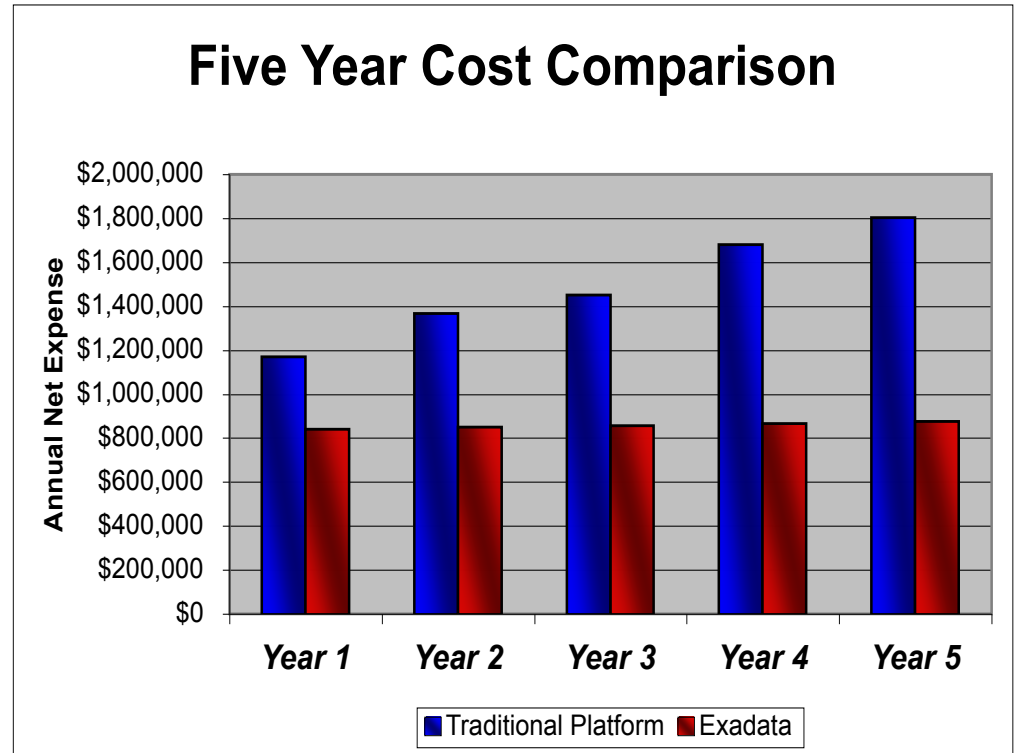
(Hardware, Software, Support, Labor, Datacenter)

Traditional Platform	\$6.3M
2 Exadata 1/4 Racks	\$3.7M
Savings	<u>\$2.6M (5yr NPV)</u>

- **41% Savings over Traditional Platform**

- **Not inclusive of Exadata business operational benefits**

Five Year Cost Comparison



Demo Time



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Questions / Contact Information



Questions?

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