

# Real Life Performance Benchmarking with Oracle DBMS and 3PAR Flash

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# A performance review

- does it hold the right stuff?
- can I turn it upside down?
- does it get refilled every day?



# I'm too big to fail

- mission critical IT service provider
- heterogenous application landscape
- performance and cost targets



# Cheers, we got all-flash

- DB and VM storage platforms
- public tender for replacement
- HPE 3PAR™ offering prevails



# Where the rubber hits the road

- workload tolerance
- response envelope
- sustained performance



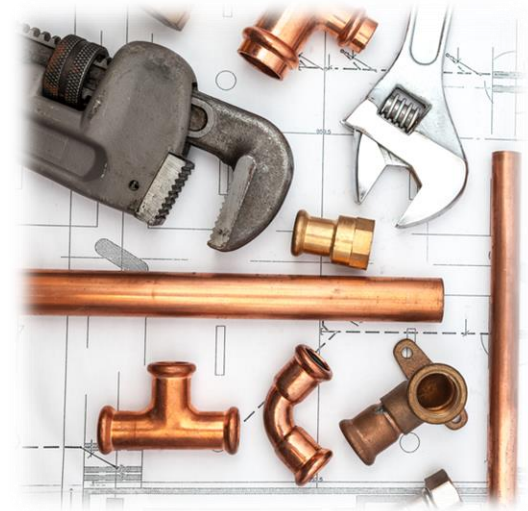
# Cheating will be punished

- real life database load
- production data centre
- operational configuration



# From drawing to assembly

- subject matter expertise
- vendor independence
- turn-key solution



# With a little help from peakmarks™

- Oracle™ end to end performance
- scalable and complex tests
- comprehensive reporting





# Bricks, bytes and brains



 peakmarks

**ORACLE**<sup>®</sup>  
DATABASE



# Sorry, no magic mixtures

- 4TB database
- RAID5 wide stripe
- default connectivity
- thin provisioned LUNs



# Push the pedal to the metal

- system warm-up
- sequential read, write
- random read, write, mixed
- complex read, write, mixed



# Meet the number crunchers

- consistent latency < 1 ms
- 3'000 MB/s sequential read
- 100K IOPS complex mixed
- 450K IOPS random read, write



# Let's have some fun

- benchmark deduped volumes
- benchmark synchronous mirror
- mix up deduplication and mirror



# That all said and considered

- 3PAR flash delivers out of the box
- raw power meets real life experience
- usability on par with performance



# The story must go on

- Meet me at booth 21
- Drop a line or message
- Have a good time in my town

