

enterprise IT



The 'Rebirth of SPARC / Solaris!'

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at NZOUG 2013

I.T. right first time

Agenda



- 25 Years of Innovation
- Introduction of T4
- SPARC Roadmap
- Oracle Virtualisation
- OVM for SPARC
- Why SPARC?
- Case Study – T4
- Q&A



SPARC - 25 Years!



- #1 UNIX install base in the world
 - By shipment
- Largest UNIX skill set in the world - Solaris
- 16 world records for performance
- Massive R&D – 2x performance every 2 years
- Binary compatibility since 2000
- 5 year roadmap

The Introduction of T4



→ General workload



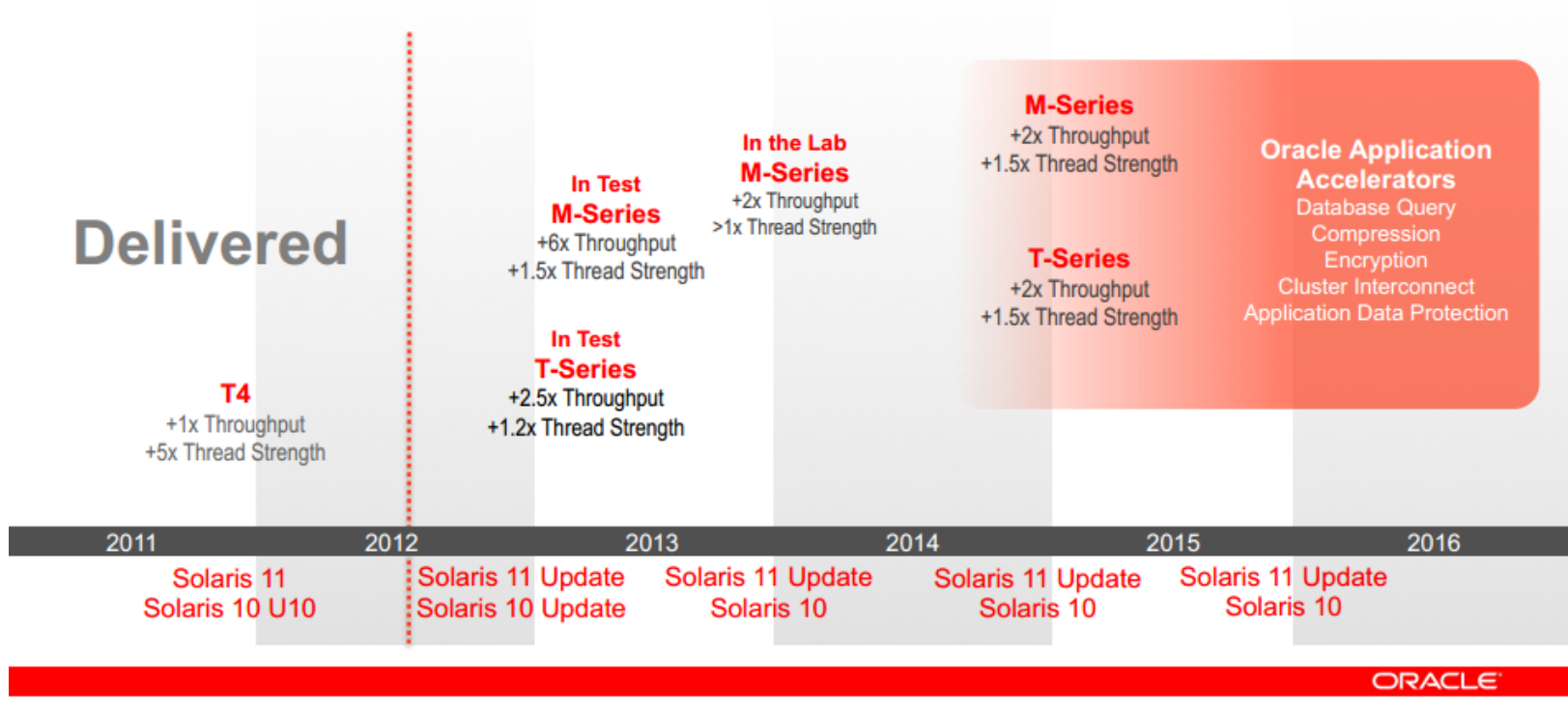
SPARC Roadmap



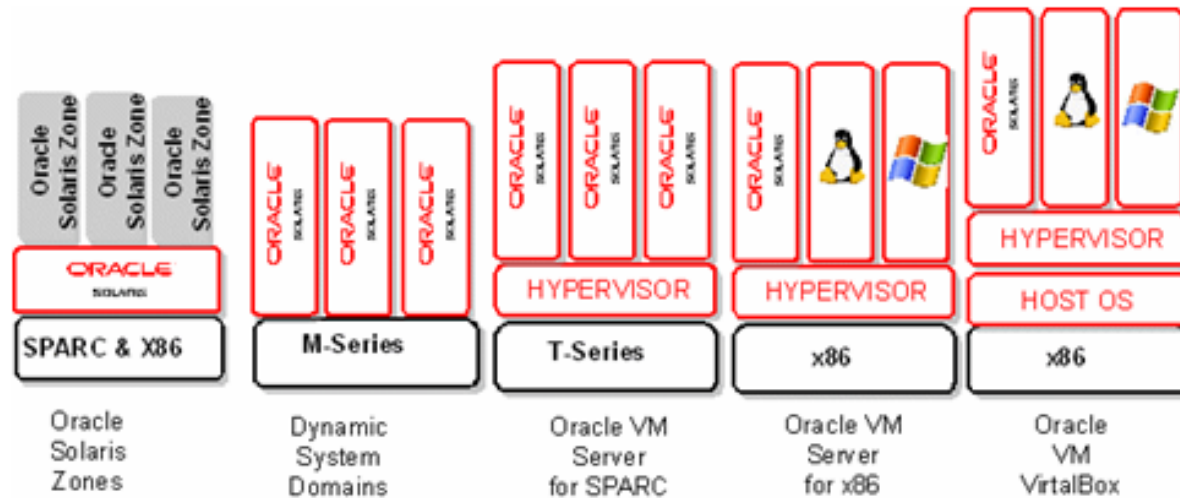
Oracle SPARC Processor Roadmap



Delivered



Oracle Virtualisation



OVM for SPARC



Isolated OS and applications in each logical (or virtual) domain



Firmware-based hypervisor



Each logical domain runs in dedicated CPU thread(s)

So Why SPARC / Solaris?

Simplicity



- Oracle Enterprise Manager Ops Centre
- Integrated Oracle Solaris OS
- Dynamic Reconfiguration
- Oracle Optimized Solutions
- Customer-Ready Systems

So Why SPARC / Solaris?

TCO



- No-Charge OS, Virtualization, Cloud, Systems Management
- SPARC and Oracle Solaris Binary Compatibility
- Energy-Efficient Designs
- Hardware Integrated Virtualization Layer
- Mix and Match Processors
- .5 licensing metric

So Why SPARC / Solaris?

Investment protection



- Oracle Solaris Compatibility Guarantee
- Most Third-Party Applications (11,000+)
- Generations of Processor Compatibility
- Long System Life

Case Study

T4 deployment



- Replace 16 SPARC Servers
 - M5000's x 3, V890s, E4500 ...
- 6 x T4-2 in 2 x OVM clusters (N+1)
 - Each T4 is twice the capacity of each M5000
- Simple migrations
- Minimize downtime with live migrations
- \$100K savings in support PA
- Less than half environmental usage

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Q&A

Thank you for your time

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