The ‘Rebirth of SPARC / Solaris!’

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at NZOUG 2013

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

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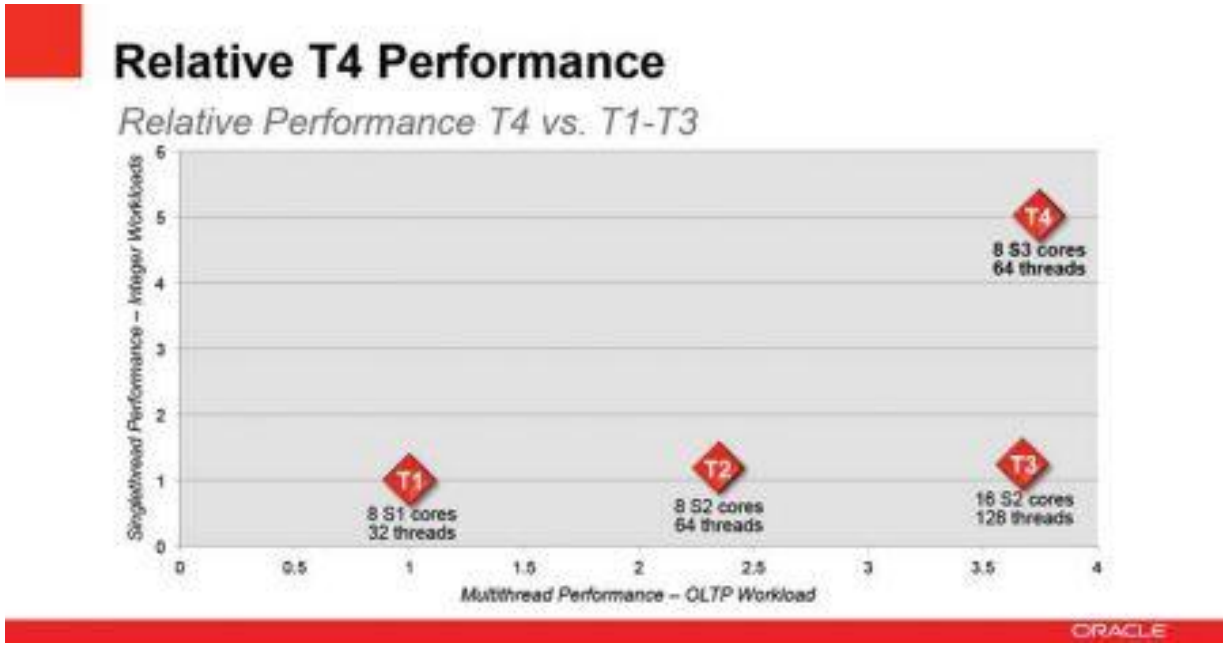
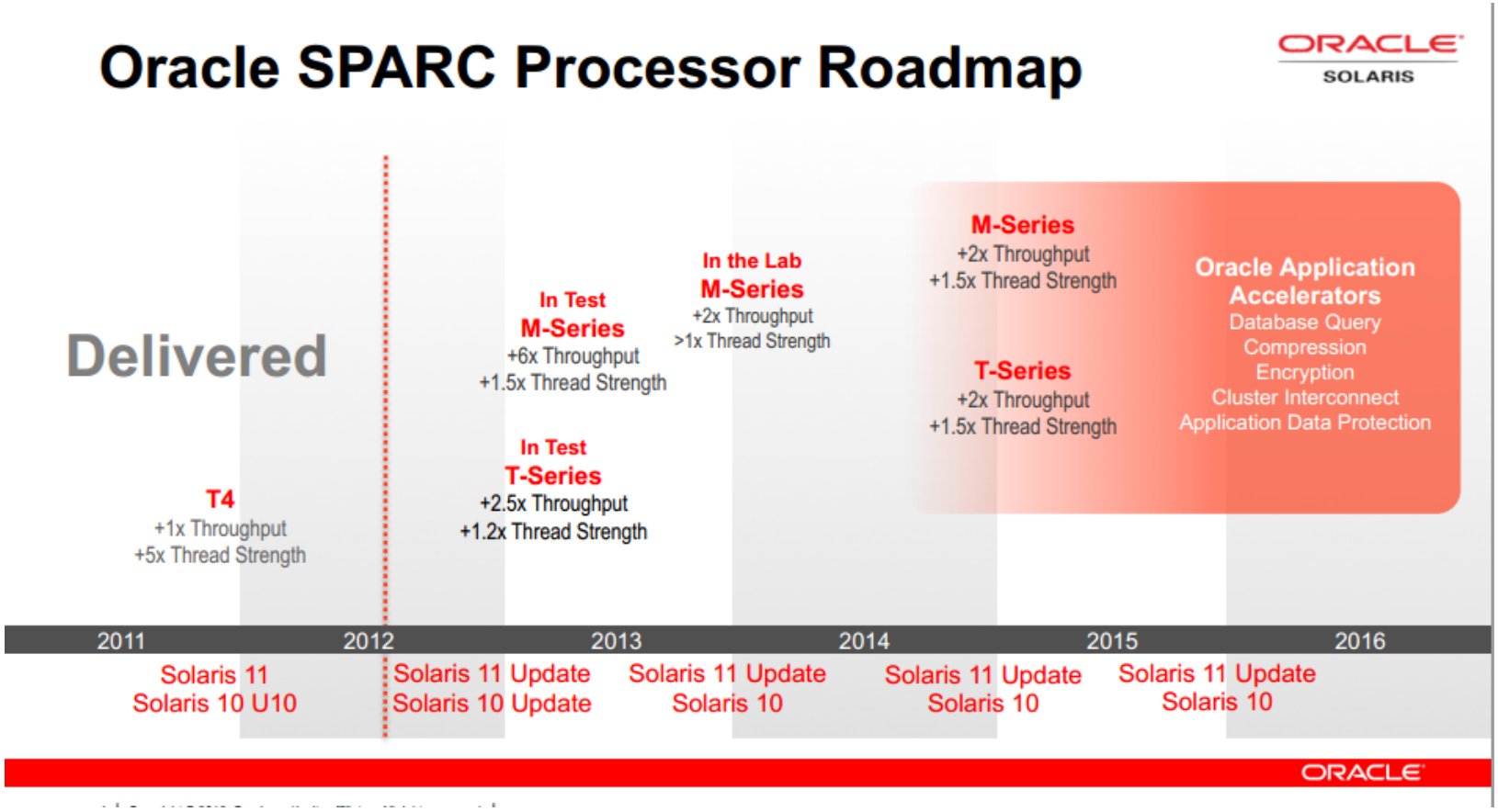
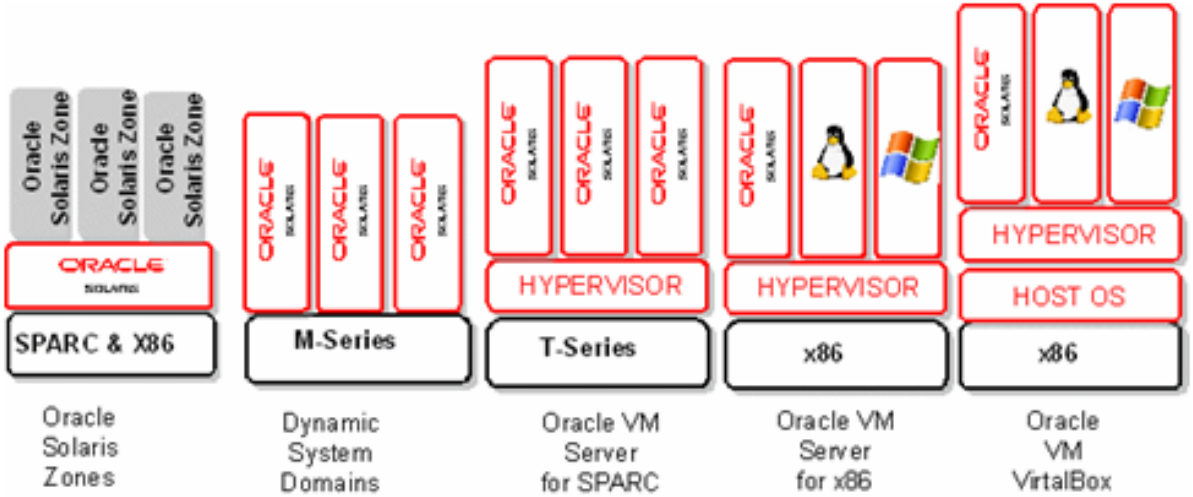
→General workload



SPARC Roadmap



Oracle Virtualisation



OVM for SPARC

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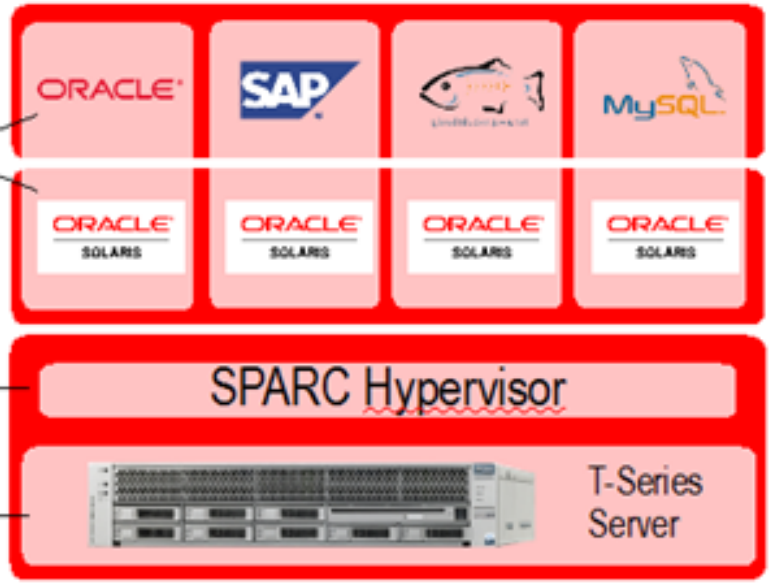
Isolated OS and applications in each logical (or virtual) domain

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

Q&A

Thank you for your time