S317552 – Managing Sun SPARC Servers with Oracle Enterprise Manager Ops Center

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Business Driven IT Management
Agenda

• SPARC Server Product Line
• Integrated IT Management
• Problems in Action
SPARC Enterprise Servers
Over 20 Years Of Mission Critical Computing

- Optimized application performance
- Reliability, availability, serviceability, and security
- Scalable up to 256 cores, 4TB RAM
- Consolidation and virtualization
Silo’ed IT Management
Traditional Systems Management Approach

Vendors can’t address business requirements

Solutions tailored for systems not business

Vendor disconnect from IT operations issues
Solution: **Oracle’s Business-Driven IT Management**

- Business-Driven Application Management
- Integrated Application-to-Disk Management
- Integrated Systems Management and Support
Business-Driven IT Management

User Experience

Business Transactions
- WEB PORTAL
- PRODUCT CATALOG
- ORDER ENTRY
- OTHER SERVICES

Business-Driven Application Management
- Understand business needs
- Manage from business perspective

Integrated Application-to-Disk & Cloud Management
- Eliminate management silos
- Create agile IT for dynamic business

Integrated Systems Management & Support
- Proactively identify and fix problems
- Maximize business productivity

Business-Driven Application Management

Integrated Application-to-Disk and Cloud Management

Oracle Support

Integrated Systems Management and Support

Services Cloud

APPLICATIONS
- MIDDLEWARE
- DATABASES
- SERVERS
- STORAGE

WEB PORTAL
PRODUCT CATALOG
ORDER ENTRY
OTHER SERVICES

Business Users and Customers

Oracle Enterprise Manager 11g

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Managing Sun Systems with Ops Center
Deploy Sun Servers up to 95% Faster

• Unified physical and virtual system lifecycle management
  • SPARC and x86 servers
  • Solaris Containers
  • Oracle VM for SPARC (LDom)

• Rich operating systems support
  • Solaris OS
  • Linux (Oracle, Red Hat, SUSE)
  • Windows

• Event Connector
Ops Center Key Capabilities

- Physical Systems (hardware, firmware, OS)
  - Simplified Discovery
  - Automated Provisioning
  - Intelligent Patch & Configuration Mgmt
  - Hardware & OS Monitoring

- Virtual Systems (hypervisor, VM, OS)
# Oracle SPARC Virtualization

## Enabling Consolidation

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### Multiple OSes
- Included at
- No Cost!

### Single OS
- Included at
- No Cost!
Problems in Action
Know What’s Out There

• Hardware Discovery and Topology Mapping
  – What is possible to discover and when
  – What are the relationships between the layers
    • Can you map the relationship out of order
  – Is the picture drawn dynamic
  – Can you drive Application to Disk
Manage the Service Processor

- ILOM/ALOM/ELOM/XSCF
  - MAC to Ipaddress tables
  - User administration
  - Network Identification
  - Out bound telemetry
  - Firmware Upgrade
Hands Free Component Level Management

- RAID HBA (StorageTek/LSI/Emulex)
  - Configuration (RAID/Stripe/Mirror/etc)
  - Firmware Upgrade
- Disk
  - Fujitsu and Seagate Drives in Oracle hardware
- FRU level status and attribute awareness
Consolidated Plan Management

• More complex server deployments available
  – Multi-step processes

• Higher level of abstraction to the business service
  – Name/Re-use of installation objects based on the reason for the asset

• Unification of provisioning and monitoring tasks
Containers, OVM-sparc, Dynamic Domains

- One User Experience
- VM/Domain Lifecycle Management
  - Create, delete, configure, etc.
- Resource Monitoring
  - VM or system level telemetry
- Resource Management
  - Dynamic allocation based on resource pools
- Workload Migration
  - Cold/Warm Mobility of Workload
Alarm Life Cycle Management Across the Stack

- Monitoring of Storage and Network Management
- Provides Comprehensive Alarm Life Cycle Management
- Alarm and Attribute Integration with OEM Grid Control
- Phone Home Alarms
- Centralized Alarm Management for:
  - Servers
  - Chassis/Blades
  - Storage
  - Operating System
  - Virtualization
Oracle Enterprise Manager 11G Ops Center R1: Product Demonstration
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Resource Center
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For More Information.....

• Find out more about Oracle's Virtualization Capabilities

• Find out more about all of Oracle's Servers

• Find out more about Oracle's Solaris operating system
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