Oracle Content Management and Archiving

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Agenda

• Archive and Tiered Storage Value

• What is Oracle Content Management?

• How Oracle Content Management and SAM QFS fit together

• Optimized Content and Storage Solution (OCSS)
Archive and Tiered Storage

• Archive is necessary to be competitive and survive in today’s data centric world
  – Enables business success
  – Gain competitive edge
  – Share and reuse information across lines of business and industries

• Tiered storage enables archive
  – Reduce costs of long-term data storage
  – Increase on-line capacity

• SAM QFS enables use of tiered storage
  – Dynamic management of data
  – Sustain information throughout technology changes
Value of Archive and Implementing SAM QFS and Tiered Storage

• Use Information for Success
  • Collaboration and Analysis
  • Turn old information into new revenue

• Experience Significant Savings
  • OPEX: Reduce management and power footprint
  • CAPEX: Higher capacity, lower cost through tiered storage

• Data Availability
  • Sustainable through time
  • Always available information
Agenda

What is Oracle Content Management?
Where Information Goes
Aligning the Content Lifecycle with Storage

Create
Documents Images Video Emails
Users generate content

Manage
Oracle Content Management
ECM Suite provides publishing, approval workflows, and application integration

Preserve
Oracle Database 11g
Storage Archive Manager
Secure movement of files between tiers of storage, maintains integrity and sustains data over time

Store
Sun Flash Disk Tape
Secure, reliable and cost-effective access throughout lifecycle
Oracle Enterprise Content Management Suite (ECM)

ECM includes:

• Universal Content and WEB Content Management (UCM)
  – Enterprise-class Web content management
  – Dramatically improve productivity and results

• Image/Process Management (IPM)
  – Most complete, integrated image processing
  – Intelligent data capture, forms recognition and routing

• Universal Records Management
  – Apply records management policies to digital repositories such as file systems, content management systems and email
  – Apply records management to non-digital content such as paper

• Content Server and Other Services
  – Information Rights Management
  – File Store Providers store information in a File Store
  – Provides Services such as file conversion, security and retention
Architecture of Oracle Enterprise Content Management

Content

Universal Content Management (UCM)
Active Content Management

Image/Process Management (I/PM)
Transactional Content Management

Universal Records Manager (URM)
Regulatory Compliance

ECM Suite

Content Server
How ECM and SAM QFS Fit Together
SAM QFS + ECM

**ECM + SAM QFS**

- ECM manages the content
  - Content Metadata in an Oracle Database
  - Stores in policy defined File Store

- SAM manages the archive File Store
  - Filesystem Metadata
  - Stores files dynamically in defined devices based on policy

**Oracle Content Server**

- UCM
- IPM
- URM

**Content Metadata**

- File Store 1 Secure Files
- File Store 2 SAM QFS
- SAM Tiered Storage
- SAM Metadata

Local and Remote (Up to 4 archive images)
Basic Functions of SAM

Provides 4 Core Processes

- Policy Based Archive
- Non-Disruptive Data Movement
- Dynamic
- Sustainable
- Data ALWAYS available
Data Migrated to New Storage Technology
Information Meets Future Technology

- Migrate to new tier 1 and to new media
  - Dynamic
  - Non-Disruptive
  - Never off-line
- Information is always available

People Retire Tech. Changes

Tier 1 Storage
Oracle DB (ECM Metadata)
ECM Application
Remote SAM Server

Tier 2 Storage

Tier 3 Storage

Data Creation
- One Day
- One Week
- One Month

Six Months
One Year
Seven Years
Forever
SAM QFS Pricing Model

Price Change

• Approved Pricing Change
  • Implement Processor/Core-based license scheme for SAM
  • Consolidate SAM from 8 part numbers to 2 part numbers (1 media kit, 1 entitlement)

• Price Change Benefits
  • Customer:
    • Once on the new model, customer will not have to pay additional licensing charges unless they upgrade / grow their metadata server
    • Lifetime support service charges may be less under new model
  • Oracle Sales:
    • Creates reason to call on customer; identify opportunities for tech refresh / growth / upgrade
    • Revisit customers that would not consider SAM due to capacity pricing
    • Improve close rate through competitive pricing and cost-effective scaling
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Optimized Content and Storage Solution
Optimized Content and Storage Solutions (OCSS)
Pre-configured and tested to reduce cost and lower risk

- **Certified Hardware, Software, Services Solutions**
  - Includes Content Management Suite for full lifecycle management
  - Reference architecture certified and optimized for ECM
  - Services for setup, installation and implementation for four key focus areas

- **Most Cost-Effective**
  - Matches cost of storage to content access requirements to minimize TCO
  - Blends disk for faster access and tape for less active access
  - Simplified management and operational infrastructure

- **Fastest Deployment with Low Risk**
  - Pre-tested and architected solution maximizes supportability and minimizes deployment risk
  - Enforce the highest levels of security through proven technologies certified by Oracle

- **Highly Scalable**
  - Seamlessly scale within each tier of storage
  - Transparently move data between tiers based on policy
OCSS Architecture
Tiered Storage for Maximum Efficiency and Scalability

- Client Network
- Sun Blade 6000
- FC Switches
- Tape System
- SAM QFS Disk Cache
- SAM Disk Archive
- Management Server

- OVM, OpsCenter, CAMs
- HA DB
- UCM
- Content Server
- SAM Instances

OCSS Architecture
Tiered Storage for Maximum Efficiency and Scalability
Oracle ECM and SAM QFS Solution Benefits

• Realize the Full Value of Information
  • Collaboration and Analysis
  • Turn old information into new revenue

• Experience Significant Savings
  • OPEX: Reduce management costs; reduce power footprint
  • CAPEX: Higher capacity, lower cost through tiered storage

• Data Availability
  • Sustainable through time
  • Always available information
Oracle Storage and Content Management

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