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Oracle SOA Management Best Practices Tips and Tricks

James Kao, Oracle
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The subsequent presentation is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions.

The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

Agenda

- Enterprise Manager Overview
- Addressing SOA Management
 - Challenges
 - Solutions with Oracle Enterprise Manager
- Best Practices with the SOA Management Pack EE
- SOA Management at Mediaset





Enterprise Manager Overview

SOFTWARE.
HARDWARE.
COMPLETE.

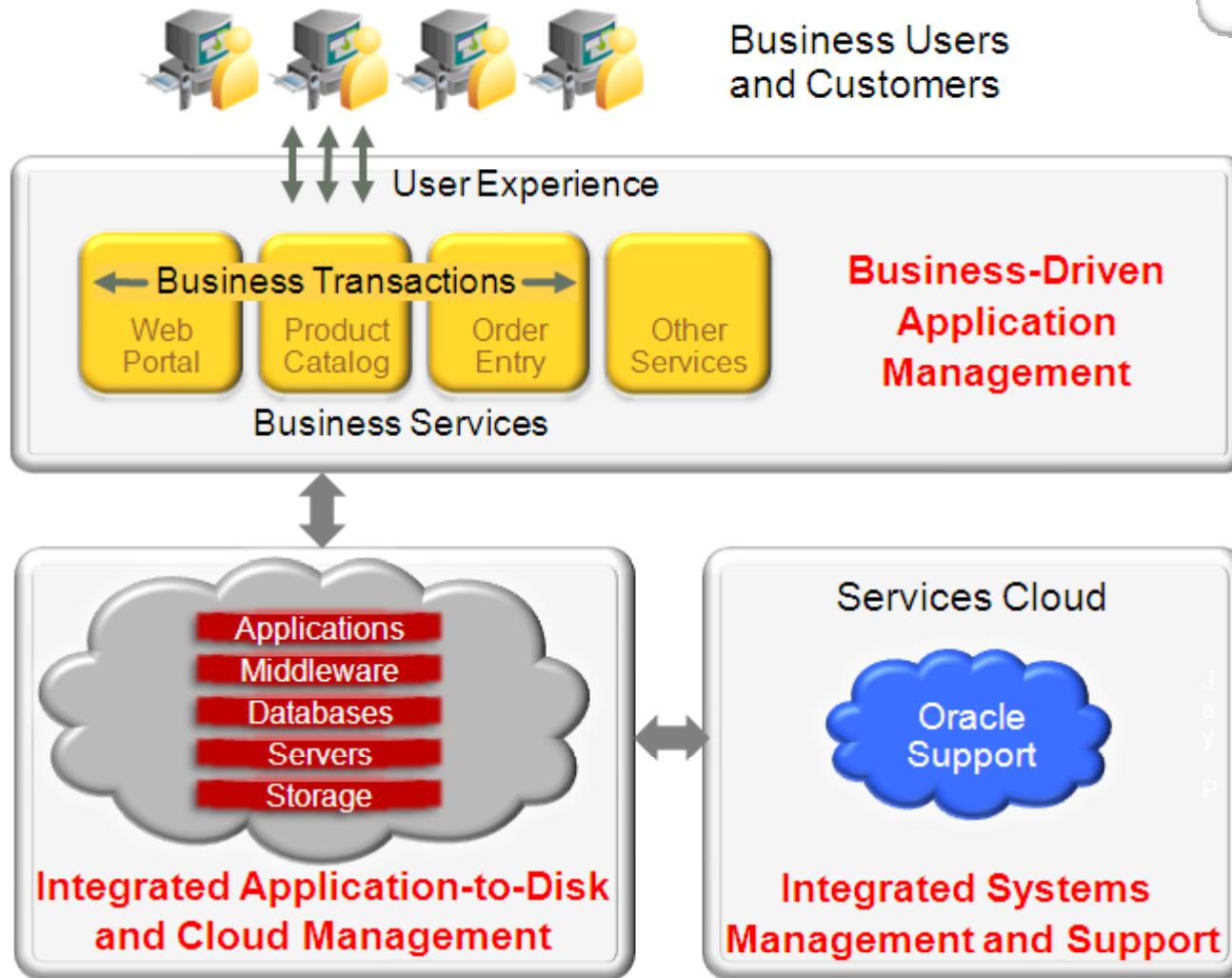


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Business-Driven IT Management

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ENTERPRISE MANAGER

11g



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

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Addressing SOA Management

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Challenges in SOA Management

- Managing multi-tier transaction flow
 - Span shared components / services
 - Deployed across several tiers in different containers
 - Across the enterprise
- Performance and visibility into SOA services
 - Beyond generic Java classes and methods
 - Framework and metadata visibility
 - Specific knowledge of the Oracle platform
- Control over changes that
 - Affect application performance & availability <wording>
- Administrative tasks to clone and scale up that are
 - Time consuming and error prone

Risks

More Business Downtime

Higher IT Costs

Less Agility

Capabilities Necessary for SOA Environments

- **Business Transaction Management**

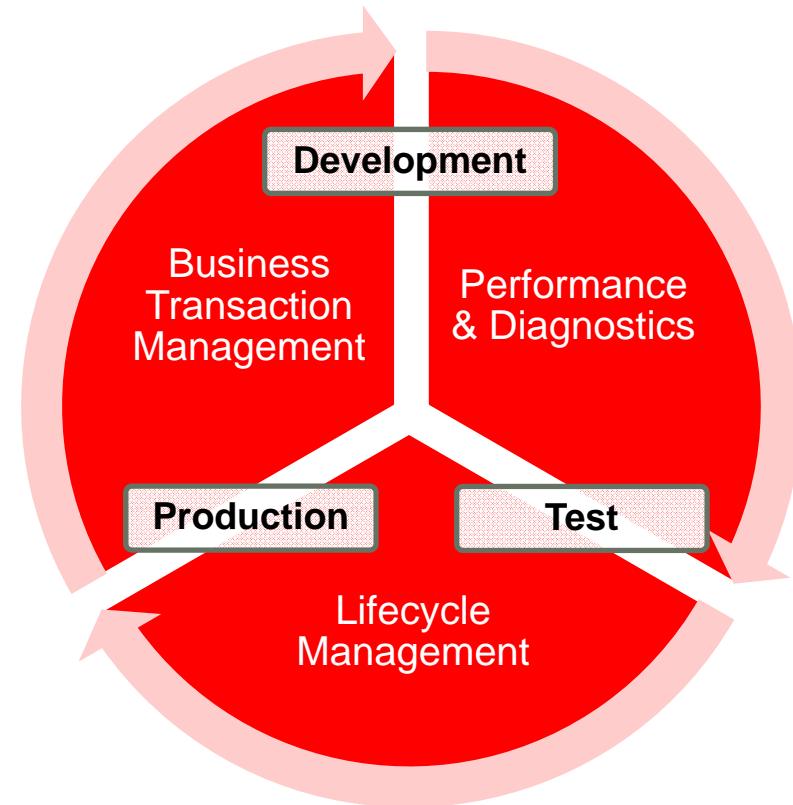
- Discovery of transaction flows across the enterprise
- Leverages transaction content/payload for business visibility
- Exception Management

- **Performance & Diagnostics**

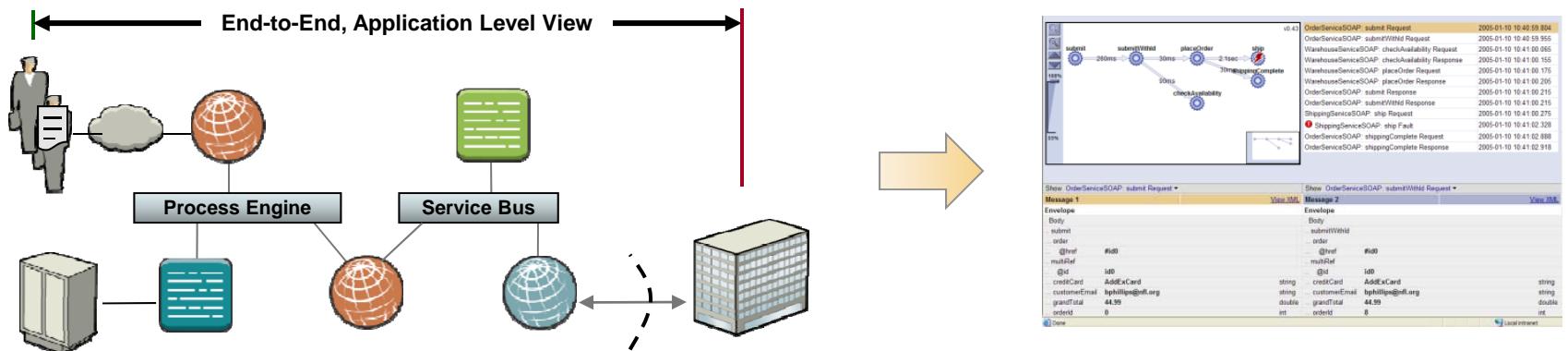
- Enterprise scale multi-domain management
- Specific framework/metadata knowledge
 - SOA 10g (BPEL/ESB)
 - SOA 11g (BPEL/Mediator/DS/HW)
 - OSB (Business/Proxy Svc, Pipelines)

- **Lifecycle Management**

- Configuration Management: SOA infrastructure and applications
- SOA domain and application provisioning



Business Transaction Management



- **Live** tracking of **individual** transactions
- Spans **all interacting tiers and applications**, beyond a single app server
 - Encompasses servers, applications, ESB's, BPM's, appliances, and more
 - Toolkit extends custom visibility into home grown systems
- **Leverages transaction content** for business visibility and interactive management
- **Non-invasive** approach avoids modifying applications or messages
 - No "tracers" or headers required
 - Requires no coding/deployment cycle
- Unique **patent pending** "fingerprinting" algorithm
 - Doesn't disrupt applications or messaging systems
 - Overcomes "uncooperative" components beyond management control

Performance metrics from SOA services to dependencies

- Integrated performance and dependency views linking SOA services, components, and references

The screenshot displays the Oracle SOA Control Center interface. On the left, the 'Summary' panel shows general system status: Deployed On 'soa-infra', Up Since 'Jan 22, 2010 5:01:41 PM', Availability (%) '100', and links to 'Fusion Middleware Control' and 'Application Dependency and Performance'. Below it is the 'Error Instances (Recent 10)' section, which states 'No Data Found'. The main area features a 'Throughput' chart with a single sharp peak reaching nearly 0.7. To the right is a detailed dependency diagram illustrating the flow of data between various SOA components and their external references.

Throughput

Name	Status	Alerts	Response Time (ms)	Throughput (minute)	Error Rate (%)	EM Service	Faults	Recoverable Faults	SOA Infra Target
UpdateOrderStatus_ep	Available	0	0.00	0.00	0.00	Unavailable	0	0	/IdMDogwoodFarm_IDMR_1PlusD
orderprocessor_client_ep	Available	0	4.78	0.00	0.00	Unavailable	0	0	/nicole_emcli_stbpo42_domain/s
StoreFrontService	Available	0	0.00	0.00	0.00	Unavailable	0	0	/SOAperfFarm01_soa_domain_1
PartnerSupplierService	Available	0	0.00	0.00	0.00	Unavailable	0	0	/SOAperfFarm02_soa_domain_2
DefaultRoleApproval [1.0]	Available	0	0.00	0.00	0.00	Unavailable	0	0	/SOAperfFarm03_stbpo45_domain/stbpc
HelloWorld [1.0]	Available	0	4.64	0.00	0.00	Unavailable	0	0	/Farm04_stbpo48_domain/stbpc
FaultFlow [1.0]	Available	0	0.00	0.00	0.00	Unavailable	0	0	/Farm05_stbpo49_domain/stbpc
EventMediatorDemo [1.0]	Available	0	0.00	0.00	0.00	Unavailable	0	0	/Farm06_stbpo50_domain/stbpc
HelloWorld [1.0]	Available	0	0.00	0.00	0.00	Unavailable	0	0	/Farm07_stbpo51_domain/stbpc
PartnerSupplierComposite [1.0]	Available	0	0.00	0.00	0.00	Unavailable	0	0	/Farm08_stbpo52_domain/stbpc
HelloWorld [1.0]	Available	0	0.00	0.00	0.00	Unavailable	0	0	/Farm09_stbpo53_domain/stbpc
BeneficiaryManagerApproval [1.0]	Available	0	0.00	0.00	0.00	Unavailable	0	0	/IdMDogwoodFarm_IDMR_1PlusD
HelloWorld [1.0]	Available	0	0.00	0.00	0.00	Unavailable	0	0	/SOAperfFarm02_soa_domain_2
DefaultOperationalApproval [1.0]	Available	0	0.00	0.00	0.00	Unavailable	0	0	/IdMDogwoodFarm_IDMR_1PlusD

Configuration and Change Management

Specifically for Oracle SOA Platforms

ORACLE Enterprise Manager 10g

Grid Control

General | Provisioning

Compare Oracle BPEL Process Manager

First [soademo.tdscamm01-soa.oracleleads.com_bpel](#) Second [soademo.tdscamm01-soa.oracleleads.com_bpel](#)
 Collected Apr 29, 2009 7:18:19 AM CDT Collected Apr 27, 2009 11:49:03 AM CDT

Summary Process Manager Domains Processes Configuration Files

General

Result	Property	Apr 29, 2009 7:18:19 AM CDT	Apr 27, 2009 11:49:03 AM CDT
BPEL SOAP Server URL	http://tdscamm01-soa.oracleleads.com:8888	http://tdscamm01-soa.oracleleads.com:8888	
BPEL SOAP Server Callback URL	http://tdscamm01-soa.oracleleads.com:8888	http://tdscamm01-soa.oracleleads.com:8888	

Dehydration Store

Result	Property	Apr 29, 2009 7:18:19 AM CDT	Apr 27, 2009 11:49:03 AM CDT
Host	tdscamm01-d1.oracleleads.com	tdscamm01-d1.oracleleads.com	
Port	1521	1521	
Service Name	camm	camm	

Compare Configuration Files: bpel.xml

First Oracle BPEL Process Manager [soademo.tdscamm01-soa.oracleleads.com_bpel](#) Second Oracle BPEL Process [soademo.tdscamm01-soa.oracleleads.com_bpel](#)
 Modification Time Mar 12, 2009 7:09:47 AM CDT Modification Time Apr 29, 2009 3:54:06 AM CDT
 Collection Time Apr 27, 2009 11:49:03 AM CDT Collection Time Apr 29, 2009 7:18:19 AM CDT

Line	soademo.tdscamm01-soa.oracleleads.com_bpel	Result	soademo.tdscamm01-soa.oracleleads.com_bpel	Line
1	<?xml version="1.0" encoding="UTF-8"?>		<?xml version="1.0" encoding="UTF-8"?>	1
2	<BPELSuiteCase timestamp="1236869787210" revision="1.0">		<BPELSuiteCase timestamp="1240995244962" revision="2.0">	2
3	<BPELProcess wsdlPort="http://www.globalcompany.com/ns/OrderBooking" SOAOrderBookingPort="" src="SOAOrderBooking.bpel" wsdlService="http://www.globalcompany.com/ns/OrderBooking" SOAOrderBooking id="SOAOrderBooking">		<BPELProcess wsdlPort="http://www.globalcompany.com/ns/OrderBooking" SOAOrderBookingPort="" src="SOAOrderBooking.bpel" wsdlService="http://www.globalcompany.com/ns/OrderBooking" SOAOrderBooking id="SOAOrderBooking">	3
4	<partnerLinkBindings>		<partnerLinkBindings>	4
5	<partnerLinkBinding name="client">		<partnerLinkBinding name="client">	5
6	<property name="wsdlLocation>SOAOrderBooking.wsdl</property>		<property name="wsdlLocation>SOAOrderBooking.wsdl</property>	6
7	</partnerLinkBinding>		</partnerLinkBinding>	7
8	<partnerLinkBinding name="OrderFulfillment">		<partnerLinkBinding name="OrderFulfillment">	8
9	<property name="wsdlLocation>http://tdscamm01-soa.oracleleads.com:8888/esb/wss/Fulfillment/OrderFulfillment?wsdl</property>		<property name="wsdlLocation>http://tdscamm01-soa.oracleleads.com:8888/esb/wss/Fulfillment/OrderFulfillment?wsdl</property>	9
10	<property name="preferredBindings>http://www.oracle.com/esb/</property>		<property name="preferredBindings>http://www.oracle.com/esb/</property>	10
11	</partnerLinkBinding>		</partnerLinkBinding>	11
12	<partnerLinkBinding name="RapidService">		<partnerLinkBinding name="RapidService">	12
13	<property name="wsdlLocation>RapidService.wsdl</property>		<property name="wsdlLocation>RapidService.wsdl</property>	13
14	</partnerLinkBinding>		</partnerLinkBinding>	14
15	<partnerLinkBinding name="TaskService">		<partnerLinkBinding name="TaskService">	15
16	<property name="wsdlLocation>TaskServiceWSIF.wsdl</property>		<property name="wsdlLocation>TaskServiceWSIF.wsdl</property>	16
17	</partnerLinkBinding>		</partnerLinkBinding>	17
18	<partnerLinkBinding name="CustomerService">		<partnerLinkBinding name="CustomerService">	18
19	<property name="wsdlLocation>CustomerSvc.wsdl</property>		<property name="wsdlLocation>CustomerSvc.wsdl</property>	19
20	</partnerLinkBinding>		</partnerLinkBinding>	20
21	<partnerLinkBinding name="NotificationService">		<partnerLinkBinding name="NotificationService">	21
22	<property name="wsdlLocation>NotificationService.wsdl</property>		<property name="wsdlLocation>NotificationService.wsdl</property>	22
23	</partnerLinkBinding>		</partnerLinkBinding>	23
24	<partnerLinkBinding name="SelectService">		<partnerLinkBinding name="SelectService">	24
25	<property name="wsdlLocation>http://tdscamm01-soa.oracleleads.com:8888/esb/wss/SelectService?wsdl</property>		<property name="wsdlLocation>http://tdscamm01-soa.oracleleads.com:8888/esb/wss/SelectService?wsdl</property>	25

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• Discover

- Service artifact configurations
- All h/w & s/w configurations
- Relationships
- Oracle inventory, including patch history and updates

• Analyze

- Monitor and audit change
- Configuration comparisons against reference, saved or live

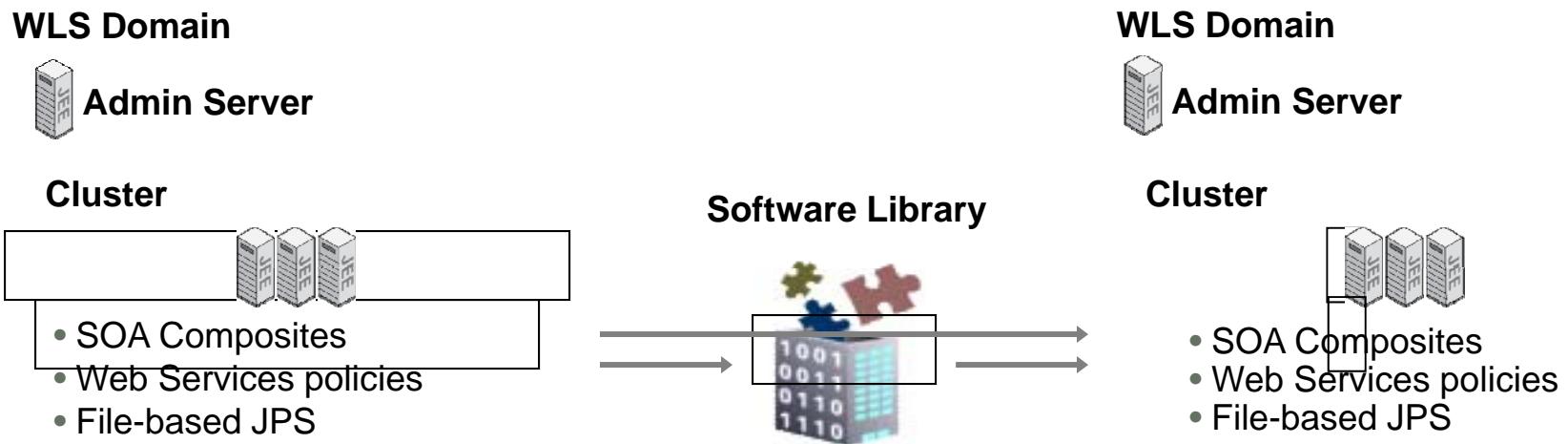
• Foundation for compliance and change control

- Map to ITIL and CoBIT frameworks
- Security configuration policies
- Standardize IT operations management

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Automate Cloning of SOA Artifacts

- Test-to-prod application migration automation
- SOA domain scale-up and scale-out
- Clone operation includes
 - SOA artifacts, including SOA composites and Web services policies
 - Java Platform Security configuration



SOA & OSB Management Summary

Features

Monitoring & Diagnostics

- Service Level Management
- Error Monitoring
- Component dependencies
- In-context Performance

Biz Transaction Management

- Transaction monitoring
- Exception Management
- Business Context

Policy Management

- Web service security policy authoring, attachment
- Web service security policy monitoring & reporting

Closed Loop Governance

- Integration with OSR/ OER
- Dependency correlation
- Metric & policy correlation

Change & Config Mgmt

- Configuration Management
- SOA domain provisioning
- SOA and OSB application provisioning



Best Practices

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Best Practices for Maximizing Value With the SOA Management Pack EE

- Single enterprise-wide Grid Control
- Incorporate SOA management into your application's lifecycle
- Encapsulate SOA dehydration queries as user-defined metrics
- Combine synthetic tests with metric availability in EM services and systems

Single Grid Control for DB, FMW, and Applications

- Do
 - Architect a Grid Control for enterprise-wide use across target types
- Don't
 - Have siloed and multiple Grid Controls for each different type of Oracle infrastructure
- Benefits
 - Maximize Grid Control's built-in scale capabilities
 - Promote collaboration and sharing between teams
 - End-to-end visibility from SOA to Database to Virtualization
 - Enable test-to-prod migrations

Incorporate SOA Management Into Your Application's Lifecycle

- Oracle SOA Management Pack is not just the last step in a production deployment
- Development
 - Architecture and transaction validation
 - Quickly pinpoint payload and performance issues between and across systems
- Test/QA
 - Configuration drift tracking and comparisons across environments
 - Rapid provisioning of application instances and environments

Encapsulate Dehydration Queries as UDMs

- The SOA dehydration store contains rich data that administrators often mine with custom SQL scripts
- Use EM Grid Control instead to surface the data within the EM framework
 - DB UDMs can metrics from querying the dehydration DB as EM metrics
 - Gain historical tracking of metrics with automatic rollups
 - Graphing, thresholds and alerting
 - Use metric views to build reports and combine with existing SOA, OSB, or other EM metrics

Create User-Defined Metric

Definition

* Metric Name

Metric Type
 Number String

SQL Query Output
 Single Value
Query is either (1) a SELECT statement that returns a single value (for example: SELECT sal FROM emp WHERE empno=7369) or (2) a function call (for example: myfunc(123, 'abc'))
 Two Columns
Query is a SELECT statement that returns two columns (for example: SELECT ename, sal FROM emp). Each entry in the first column (the key column) must be a unique string. The second column (the value column) must be of the selected Metric Type.

* SQL Query

The maximum length of the SQL Statement can be 4,000 characters.

Database Credentials

* User Name

* Password

Role

Cancel Test OK

Combine Synthetic Tests With Metric Availability Using EM Services and Systems

- Externally generated synthetic tests are an important part of a complete production monitoring strategy
 - Use service tests and beacons to combine internally and externally measured performance/availability
- Grid Control can quickly promote automatically discovered service and references into beacon tests

Services and References				
Add WS Beacon Test		Show WSDL		
Name	Average Response Time (ms)	Message Throughput (minute)	Error Rate (%)	
orderprocessor_client_ep	18.75	0.19	0.00	
UpdateOrderStatus_ep	0.00	0.00	0.00	
CreditCardAuthorizationSe	5.00	0.00	0.00	
PartnerSupplierService	14.00	0.00	0.00	

Aggregate Service : /Farm_FOD_Single_fod_single [1.0] _Agg_Service

Home Charts Topology

General

Status Up (Black Out)
Up Since Sep 3, 2010 2:03:37 PM
Last Calculated Sep 3, 2010 2:18:37 PM
Availability (%) 100 (Last 24 Hours)
Performance ✓
Usage ✓
Actual Service Level (%) 100.00 (Last 24 Hours)
Expected Service Level (%) 85.00

Subservices

Name	Type	Status	Perf
/Farm_FOD_Single_fod_single/fod_single/AdminServer/OrderBookingComposite [1.0] _Agg_Service	Aggregate Service	Green	
/Farm_FOD_Single_fod_single/fod_single/AdminServer/OrderBookingComposite [1.0] _Service	Generic Service	Green	
/Farm_FOD_Single_fod_single/fod_single/AdminServer/OrderBookingComposite [1.0] availability	Generic Service	Yellow	
/Farm_FOD_Single_fod_single/fod_single/AdminServer	Generic Service	Green	



SOA Management at Mediaset

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Mediaset Premium

Massimiliano Pellizzaro
SOA Architect

Agenda

- # Who is Mediaset
- # The reference Architecture : Business View
- # The reference Architecture : Component View
- # HOW Enterprise Manager is helping SOA Governance
- # Plan to migrate on 11g Architecture

Mediaset history

1978 : Telemilano was born, a local Milan-based broadcaster

1984 : Television area was called RTI and became established with three
national analogue networks

1996 : group Mediaset was consolidate and then **listed on the Milan stock exchange**

1997: Mediaset expands outside Italy -> Spain

2004: Mediaset enters **the digital terrestrial television**

2005: The Group launches **Mediaset Premium**, a pay digital terrestrial television service:
Sport - Soccer

2008: Mediaset Premium consolidates movies and tv series channels

TODAY:

- Net Income 2009 : 3.9 billion €

- Employee December 2009: 5800 total

Free TV vs Pay TV

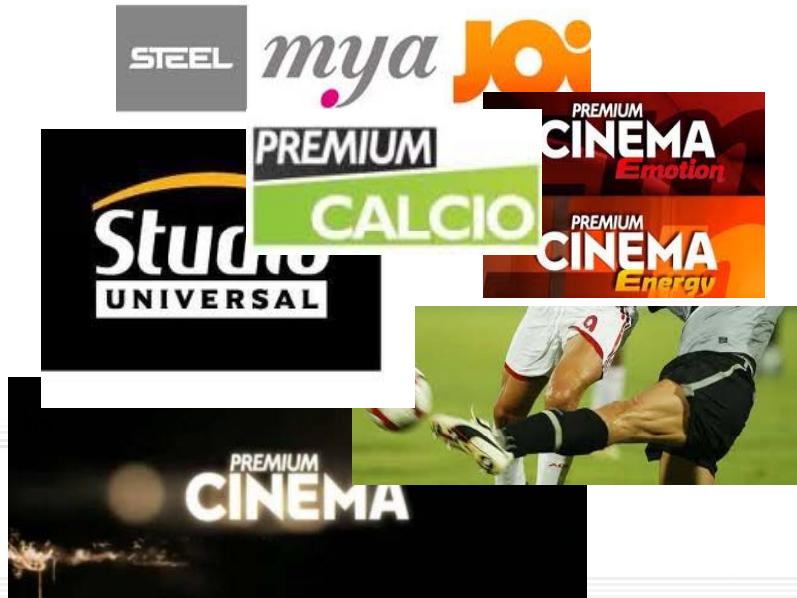
FREE TV



Mediaset Share

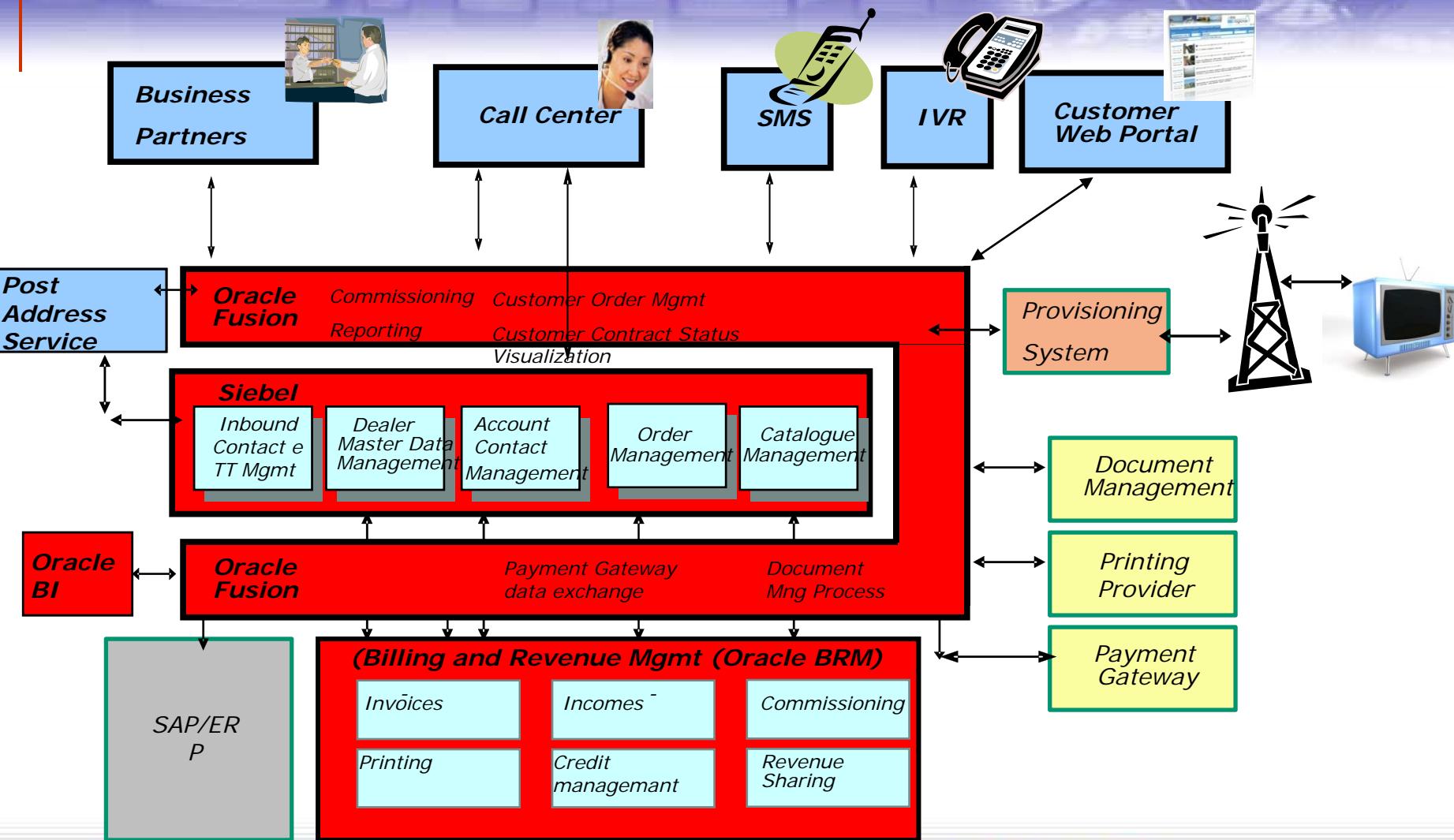
7 tv
channels
with a 40 %
italian share

PAY TV

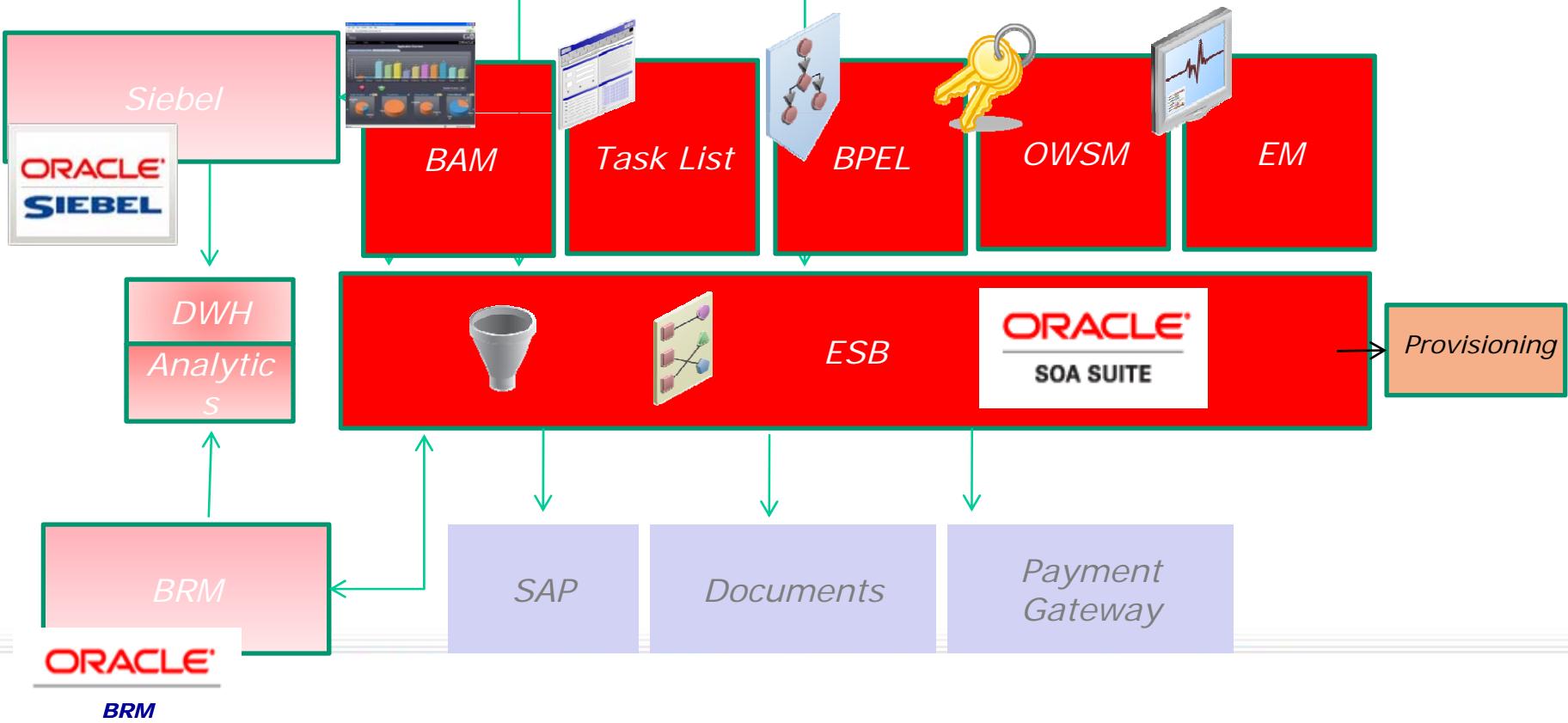
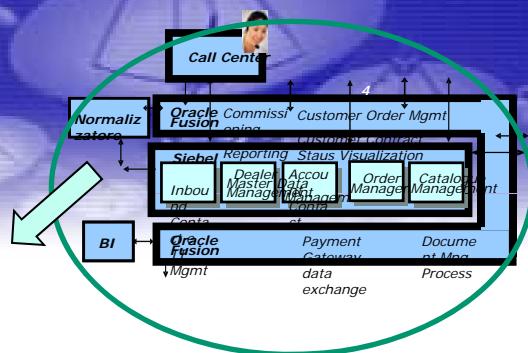


Channels	7 channels + sport
Smart Cards	3.1 millions
Subscribers	1.7 millions

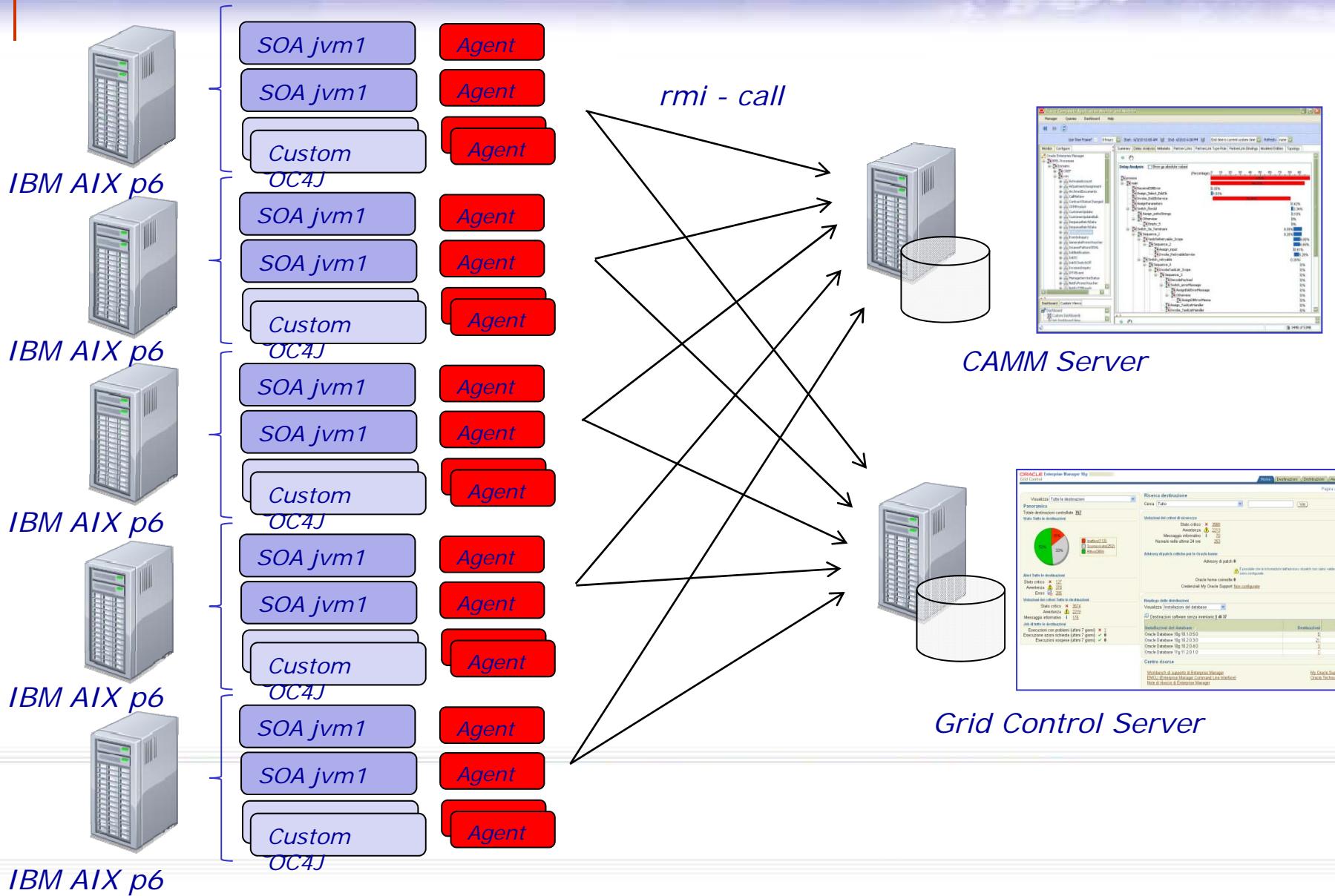
Business View



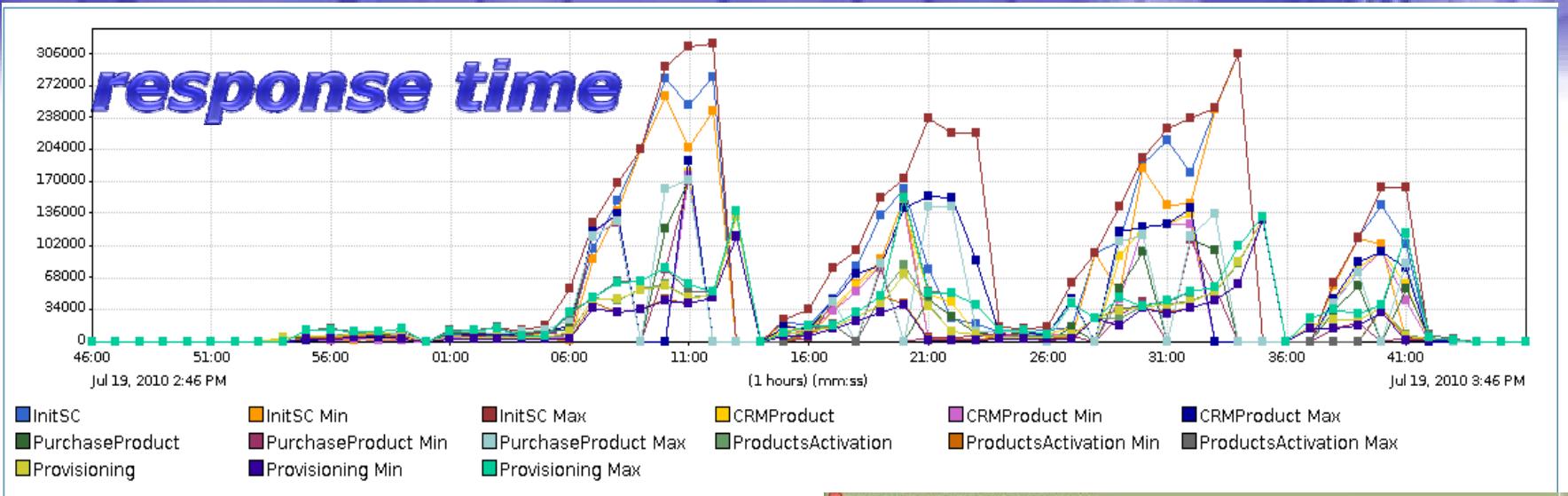
SOA Component View



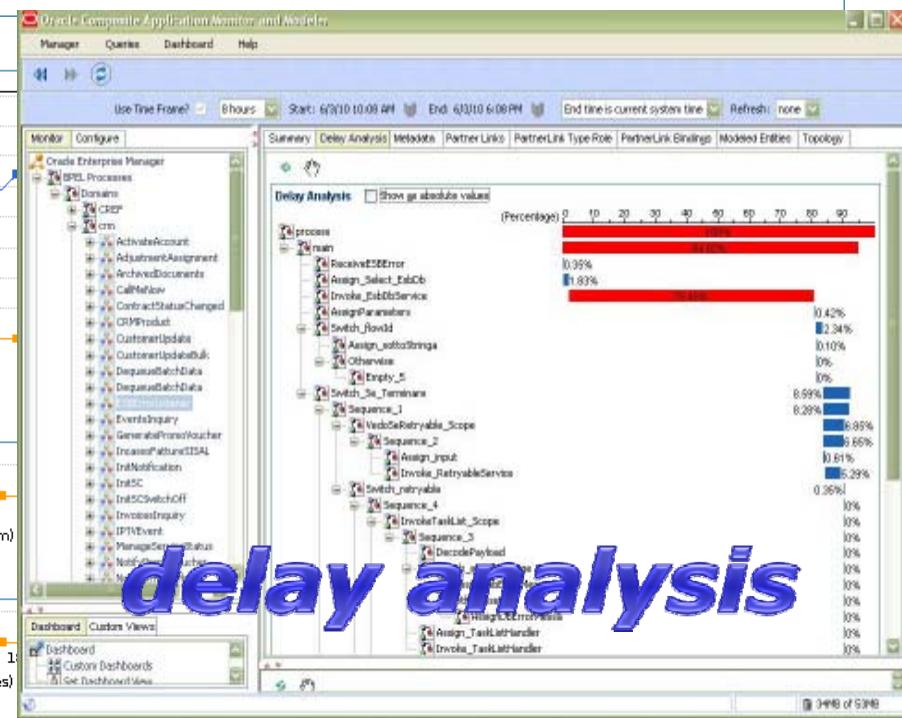
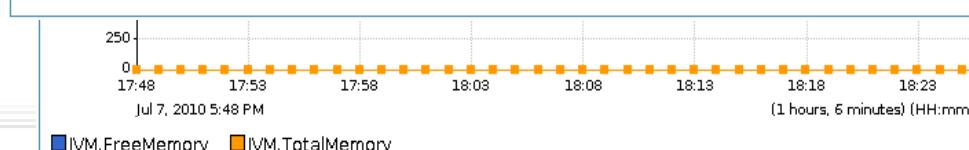
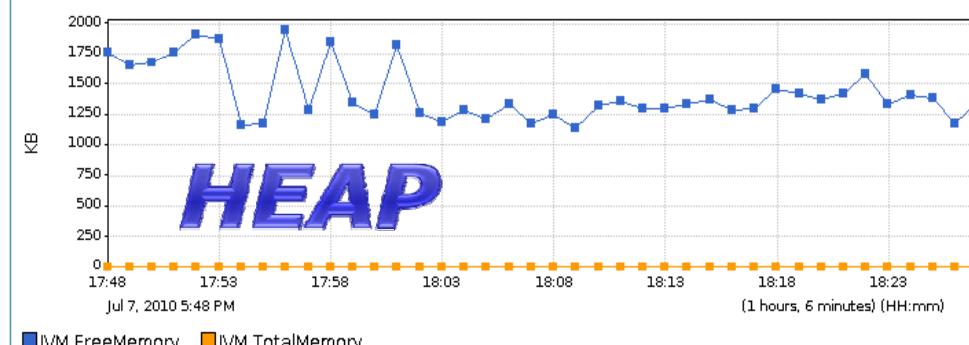
SOA - CAMM Architecture 10g



Metrics used by Mediaset : CAMM



...4->OC4J_SOA_2@aixeaiaspres05.mediaset.it: JVM Heap

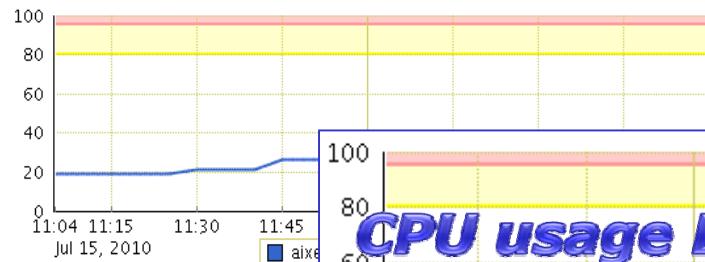


Metrics used by Mediaset : Grid Control

Statistics

Last Known Value 24.09
Average Value 24.88
High Value 29.57
Low Value 19.42
■ Warning Threshold 80
■ Critical Threshold 95
Occurrences Before Alert 6
Corrective Action None

Metric Value



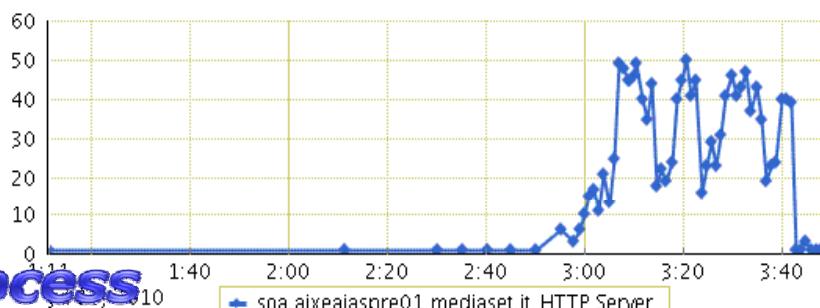
CPU usage AS

CPU usage DB

Real Time Statistics

Current Value 1
Average Value 22.95
High Value 50
Low Value 1
Warning Threshold Not Defined
Critical Threshold Not Defined
Occurrences Before Alert No data
Corrective Action None

Metric Value

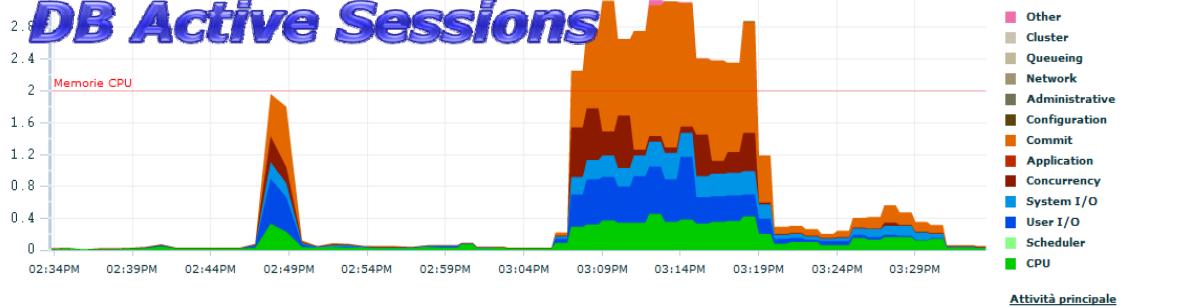


OHS busy process

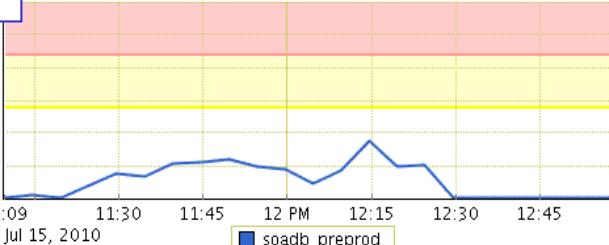
DB Connections

Sessioni attive medie

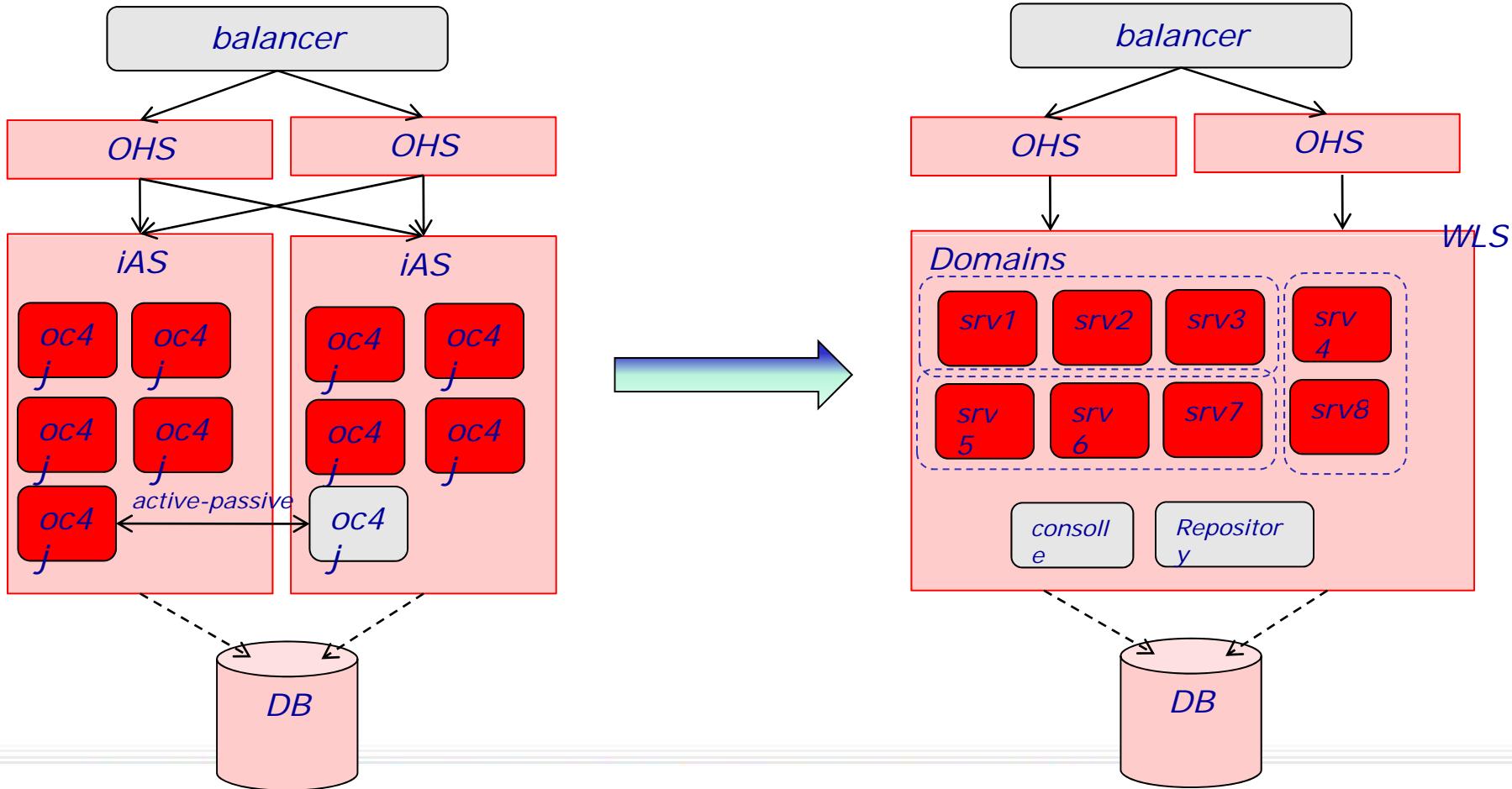
DB Active Sessions



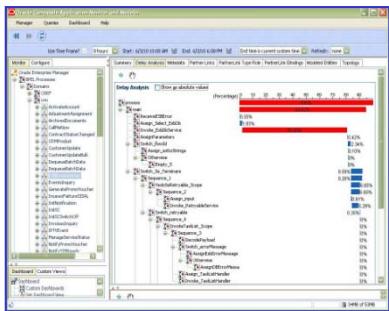
Attività principale



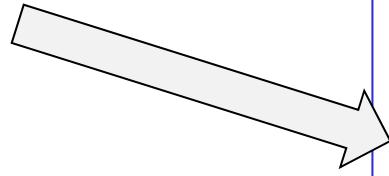
Plan to move to 11g : architecture



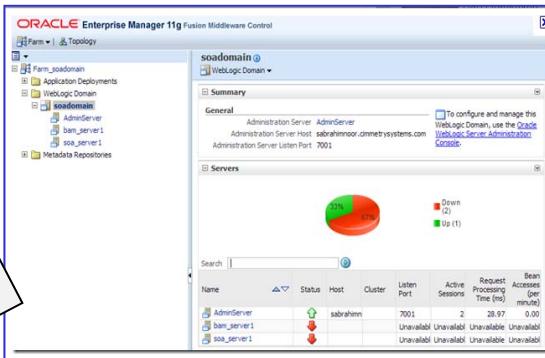
Move from Umbrella EM => single EM console



CAMM Server



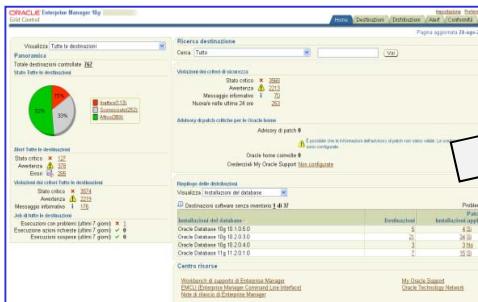
Grid Control Server



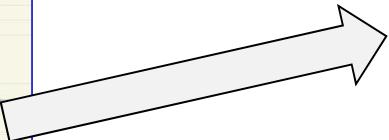
JVM Diag



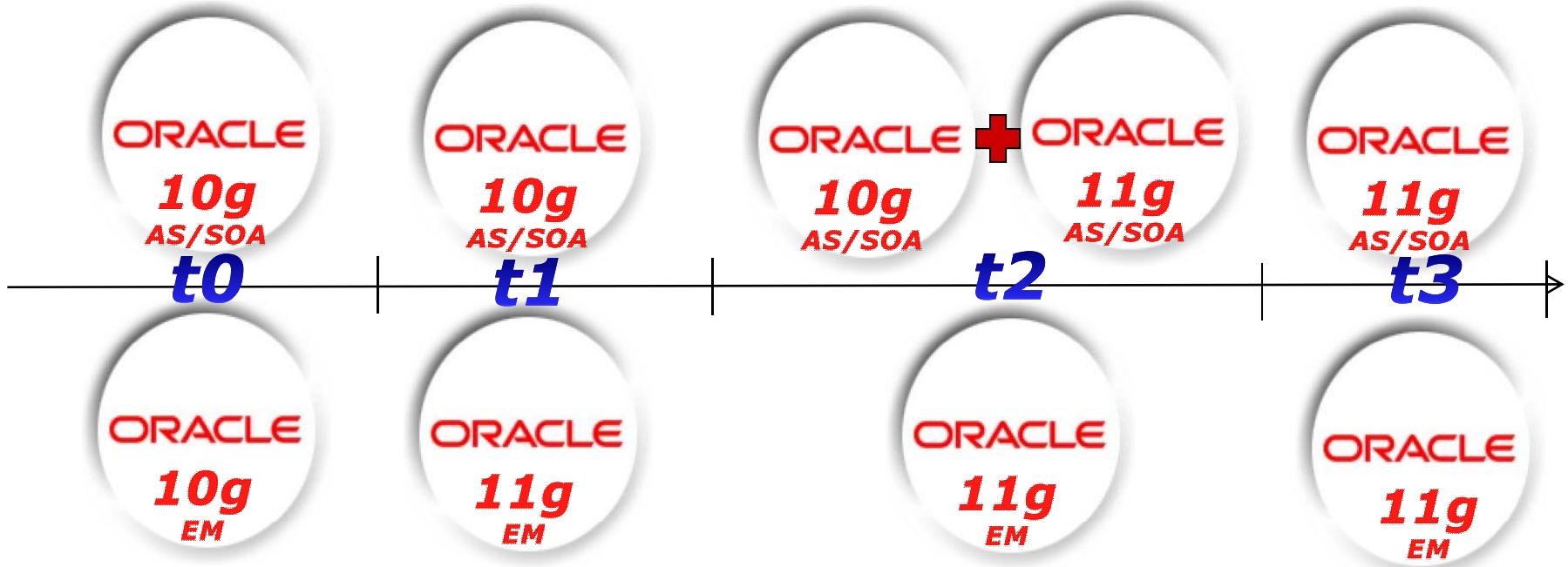
ADP



Grid Control Server



Roadmap



Thankyou



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Oracle Enterprise Manager 11g Resource Center

Access Videos, Webcasts, White Papers, and More

Oracle.com/enterprisemanager11g

The screenshot shows the Oracle Enterprise Manager 11g Resource Center homepage. At the top, there's a navigation bar with links for Home, Solutions, Launch Webcast, Events and Community, and Stay Connected (with social media icons). The main header features the "ORACLE ENTERPRISE MANAGER 11g" logo and the tagline "Business-Driven IT Management". Below the header is a large banner image showing a person interacting with a wall of video screens displaying various IT management scenarios. To the right of the banner, there's a call-to-action button labeled "WATCH NOW". The page is divided into three main sections: "EMPOWER IT. DRIVE BUSINESS VALUE", "MAKE THE RIGHT IT DECISIONS", and "PUT YOUR IT MANAGEMENT TO THE TEST". Each section contains descriptive text and a "Start Now" button. At the bottom, there's a footer with links for About Oracle, Contact Us, Legal Notices, Terms of Use, and Your Privacy Rights, along with a "Software. Hardware. Complete." statement.

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Additional Oracle Enterprise Manager Sessions

Monday, Sept. 20	Location
<ul style="list-style-type: none">• 11:00am – Oracle@Oracle: How Oracle IT Achieves High Application Service Levels• 11:00am - End-to-End Application Management: Top Ten Tips and Techniques	<ul style="list-style-type: none">• Moscone W L2, Rm 2020• Moscone S Room 305
<ul style="list-style-type: none">• 12:30pm – Day in the Life of a DBA: End-to-End Management with Oracle Enterprise Manager• 12:30pm - Automate Oracle E-Business Suite Testing With Oracle Application Testing Suite	<ul style="list-style-type: none">• Moscone S Room 303• Moscone W L2, Rm 2020
<ul style="list-style-type: none">• 2:00pm - How we built our Private Cloud with Oracle Enterprise Manager: The Verizon Story• 2:00pm - Mission Critical Database Monitoring with Enterprise Manager-Real World Lessons• 2:00pm - How You Can Optimize Siebel Applications for Today and Prepare for the Future	<ul style="list-style-type: none">• Moscone S Room 102• Moscone S Room 309• Moscone W L2, Rm 2001

Additional Oracle Enterprise Manager Sessions

Monday, Sept. 20	Location
<ul style="list-style-type: none">• 3:30 pm - General Session: Enterprise IT and Cloud Computing• 3:30 p.m.- "Lost in Transaction": Managing Business Transactions across Distributed Systems• 3:30 p.m.- Accelerate/Streamline Your Unicode Migration: Oracle Unicode Migration Assistant• 3:30 p.m. - Avoiding SQL Performance Regressions: New Techniques for Solving an Old Problem• 3:30 p.m - Business-Driven Application Management and End-to-End Performance Diagnostics	<ul style="list-style-type: none">• Moscone S Rm 102• Moscone S Rm 310• Moscone S Rm 252• Moscone S Rm 303• Moscone W L3, Rm 3024
<ul style="list-style-type: none">• 5:00 p.m.- Application Change & Configuration Management: Tales from the Trenches• 5:00 p.m.- Mission Accomplished: Virtualization Powered by Oracle Enterprise Manager• 5:00 p.m.- Managing Oracle WebLogic Server: New Features and Best Practices	<ul style="list-style-type: none">• Moscone S Rm 102• Moscone S Rm 305• Moscone W L3, Rm 3024

Additional Oracle Enterprise Manager Sessions

Tuesday, Sept. 21	Location
<ul style="list-style-type: none">• 11:00 a.m.- General Session: Business-Driven IT with Oracle Enterprise Manager 11g• 11:00a.m. - Managing the Oracle Ecosystem on a Cloud Platform: Oracle Enterprise Manager	<ul style="list-style-type: none">• Moscone S Rm102• Moscone S Rm 309
<ul style="list-style-type: none">• 2:00 p.m.- Smart Database Administration: Cool New Features for Power DBAs• 2:00pm - Application Testing in the Cloud: Smart Testing for Agile Enterprises	<ul style="list-style-type: none">• Moscone S Rm104• Moscone W L2, Rm 2010
<ul style="list-style-type: none">• 3:30 p.m.- Oracle Identity Management Administration Best Practices• 3:30 p.m.- Latest on Oracle Application Change Management Pack for Oracle E-Business Suite• 3:30 p.m. - Deploy New Database Features Risk-Free with Database Replay	<ul style="list-style-type: none">• Moscone S Rm 309• Moscone W L2, Rm 2024• Moscone S Rm 102
<ul style="list-style-type: none">• 5:00 p.m. SQL Tuning for Smarties, Dummies, and Everyone in Between• 5:00 p.m.- Oracle Enterprise Manager Ops Center for OS and Hardware Management	<ul style="list-style-type: none">• Moscone S Rm 104• Moscone S 270

Additional Oracle Enterprise Manager Sessions

Wednesday, Sept. 22	Location
<ul style="list-style-type: none">• 10:00 a.m. - Manage the Manager: Diagnosing and Tuning Oracle Enterprise Manager• 11:30 a.m. - Maximizing Database Performance: Performance Tuning with DB Time• 11:30 a.m. - Make Upgrades Uneventful Using Oracle Enterprise Manager and My Oracle Support	<ul style="list-style-type: none">• Moscone S Rm 102• Moscone S Rm 104• Moscone S Rm 310
<ul style="list-style-type: none">• 12:30pm – Extracting Real Value from Your Data with Apache Hadoop	<ul style="list-style-type: none">• Hilton Hotel, Plaza B
<ul style="list-style-type: none">• 1:00 p.m.- Reducing the Risk of SOA Transactions• 1:00 p.m. - SQL Tuning Roundtable with Oracle Gurus	<ul style="list-style-type: none">• Marriott Marquis, Salon 6• Moscone S Rm102
<ul style="list-style-type: none">• 4:45 p.m.- Strategies for Monitoring Large Datacenters with Oracle Enterprise Manager• 4:45 p.m.- Oracle SOA Management Best Practices, Tips, and Techniques• 4:45 p.m.- Oracle E-Business Suite Technology: Vision, Release Overview, Product Roadmap	<ul style="list-style-type: none">• Moscone S Rm102• Moscone W L3, Rm 3018• Moscone W L3, Rm 3002 / 3004

Additional Oracle Enterprise Manager Sessions

Thursday, Sept. 23	Location
<ul style="list-style-type: none">• 9:00 a.m. - Oracle WebLogic Server Management for Oracle DBAs• 9:00 a.m. - Enabling Database as a Service Through Agile Self-Service Provisioning• 9:00 a.m. - Reduce TCO with Oracle Application Management Pack for Oracle E-Business Suite	<ul style="list-style-type: none">• Marriott Marquis, Salon 9• Moscone S. Room 102• Moscone W L2, Rm 2024
<ul style="list-style-type: none">• 10:30 a.m. - Best Practices for Managing Your PeopleSoft Applications• 10:30 a.m. - Oracle Enterprise Manager Grid Control Deployment Best Practices• 10:30 a.m. - Managing Sun SPARC Servers with Oracle Enterprise Manager Ops Center• 10:30 a.m. - Heterogeneous Data Masking: Oracle, SQL Server, and DB2 Database Best Practices	<ul style="list-style-type: none">• Marriott Hotel, Golden Gate A• Moscone S. Room 102• Moscone S. Room 252• Moscone S. Room 306
<ul style="list-style-type: none">• 12:00 p.m. - Scalable Enterprise Data Processing for the Cloud with Oracle Grid Engine• 12:00 p.m. - Spot Problems Before Your Users Call: User Experience Monitoring for Oracle Apps• 12:00 p.m. - Reduce Problem Resolution Time with Oracle Database 11g Diagnostic Framework	<ul style="list-style-type: none">• Moscone S. Room 310• Marriott Hotel, Golden Gate A• Moscone S. Room 102

Additional Oracle Enterprise Manager Sessions

Thursday, Sept. 23	Location
<ul style="list-style-type: none">• 1:30 p.m. - Patching Enterprisewide Databases: Automation Techniques and Real-World Insights• 1:30 p.m. - Managing User Experience: Lessons from eBay• 1:30 p.m. - Deep Java Diagnostics and Performance Tuning: Expert Tips and Techniques• 1:30 p.m. - Oracle Enterprise Manager Configuration Management Unleashed: Top 10 Expert Tips• 1:30 p.m. - Oracle Enterprise Manager Security Best Practices	<ul style="list-style-type: none">• Moscone S. Room 310• Marriott Hotel, Golden Gate A• Marriott Marquis, Salon 9• Marriott Marquis, Salon 6• Moscone S. Room 102
<ul style="list-style-type: none">• 3:00 p.m. - The X-Files: Managing the Oracle Exadata and Highly Available Oracle Databases• 3:00 p.m. - Monitoring and Diagnosing Oracle RAC Performance with Oracle Enterprise Manager	<ul style="list-style-type: none">• Moscone S. Room 102• Moscone S. Room 310

Oracle Enterprise Manager Hands On Labs

Monday September 20, 2010		
3:30 p.m. - 4:30 p.m.	Database Performance Diagnostics and Tuning	Marriott Hotel, Salon 12/13, YB Level
5:00 p.m. - 6:00 p.m.	Provisioning, Patch Automation, and Configuration Management Pack	Marriott Hotel, Salon 12/13, YB Level
5:00 p.m. - 6:00 p.m.	Oracle Application Mgmt. Pack for Oracle E-Business Suite: Monitor/Clone	Marriott Marquis, Nob Hill
Tuesday September 21, 2010		
11:00 a.m.-12:00 p.m.	Using Oracle Application Change Management Pack for Oracle E-Business Suite	Marriott Marquis, Nob Hill
12:30 p.m.-1:30 p.m.	Database and Application Testing	Marriott Hotel, Salon 12/13, YB Level
2:00 p.m. - 3:00 p.m.	Oracle Fusion Middleware Management	Marriott Hotel, Salon 12/13, YB Level
3:30 p.m. - 4:30 p.m.	Provisioning, Patch Automation, and Configuration Management Pack	Marriott Hotel, Salon 12/13, YB Level
Wednesday September 22, 2010		
4:45 p.m. - 5:45 p.m.	Database and Application Testing	Marriott Hotel, Salon 12/13, YB Level
4:45 p.m. - 5:45 p.m.	Oracle Application Mgmt. Pack for Oracle E-Business Suite: Monitor/Clone	Marriott Marquis, Nob Hill
Thursday September 23, 2010		
9:00 a.m. - 10:00 a.m.	Database Performance Diagnostics and Tuning	Marriott Hotel, Salon 12/13, YB Level
10:30 a.m. - 11:30 a.m.	Oracle Fusion Middleware Management	Marriott Hotel, Salon 12/13, YB Level

Oracle Enterprise Manager Demogrounds

DEMO TITLE	LOCATION
Oracle Real Application Testing: Database Replay	Moscone West
Oracle Real Application Testing: SQL Performance Analyzer	Moscone West
Self-Managing Database: Automatic Performance Diagnostics	Moscone West
Self-Managing Database: Automatic Fault Diagnostics	Moscone West
Self-Managing Database: Automatic Application and SQL Tuning	Moscone West
Application Quality Management: Application Testing Suite	Moscone South - S022
Real User Monitoring with Oracle Enterprise Manager	Moscone South - S021
Siebel CRM Application Management	Moscone South - S024
Real User Monitoring with Oracle Enterprise Manager	Moscone West
Oracle WebLogic Server Management and Java Diagnostics	Moscone West
SOA Management with Oracle Enterprise Manager	Moscone West
Oracle Business Transaction Management	Moscone West
Push Button Provisioning and Patch Automation	Moscone West
Smart Configuration Management	Moscone West
Oracle Enterprise Manager Ops Center	Moscone West
Managing the Enterprise Private Cloud	Moscone West
System Management, My Oracle Support, and Oracle Enterprise Manager	Moscone West
Self Managing Database: Change Management for DBAs	Moscone West
Oracle Enterprise Manager: Complete Datacenter Management	Moscone West
Self-Managing Database: Data Masking for DBAs	Moscone West

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