

OBIEE 11g First Impressions at the University of Arizona

Session #29260

March 28, 2011



Your Presenter

- Doug Hester
 - Employee of University of Arizona since 1997
 - Oracle Business Intelligence System Administrator
- dhester@email.arizona.edu



Overview

- The University of Arizona has been live with a clustered Oracle Business Intelligence Enterprise Edition (OBIEE) system for a year and a half. Not happy to rest on their laurels it's on to the next big thing, OBIEE 11g. Current plans are to upgrade in 2011.



Agenda

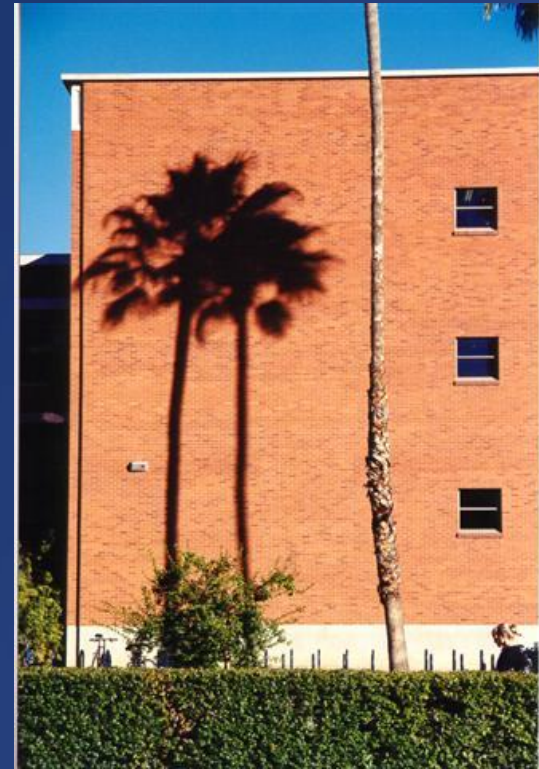
- Background on the University of Arizona and their usage of OBIEE
- Upgrading existing configuration from 10g
- Hardware requirements and clustering
- User experience
- Questions after each section and at the end



The University of Arizona

Founded in 1885 with a three-fold commitment to education, research, and community service.

- More than \$500 million in research
- 30,000 undergraduates
- 7,000 graduates
- 1,400 pharmacy, law, and medical
- 14,000 employees



University of Arizona and OBI 10g

OBIEE 10g version 10.1.3.4.1

Production and Support two-server clusters

97 subject areas

200+ central dashboard pages

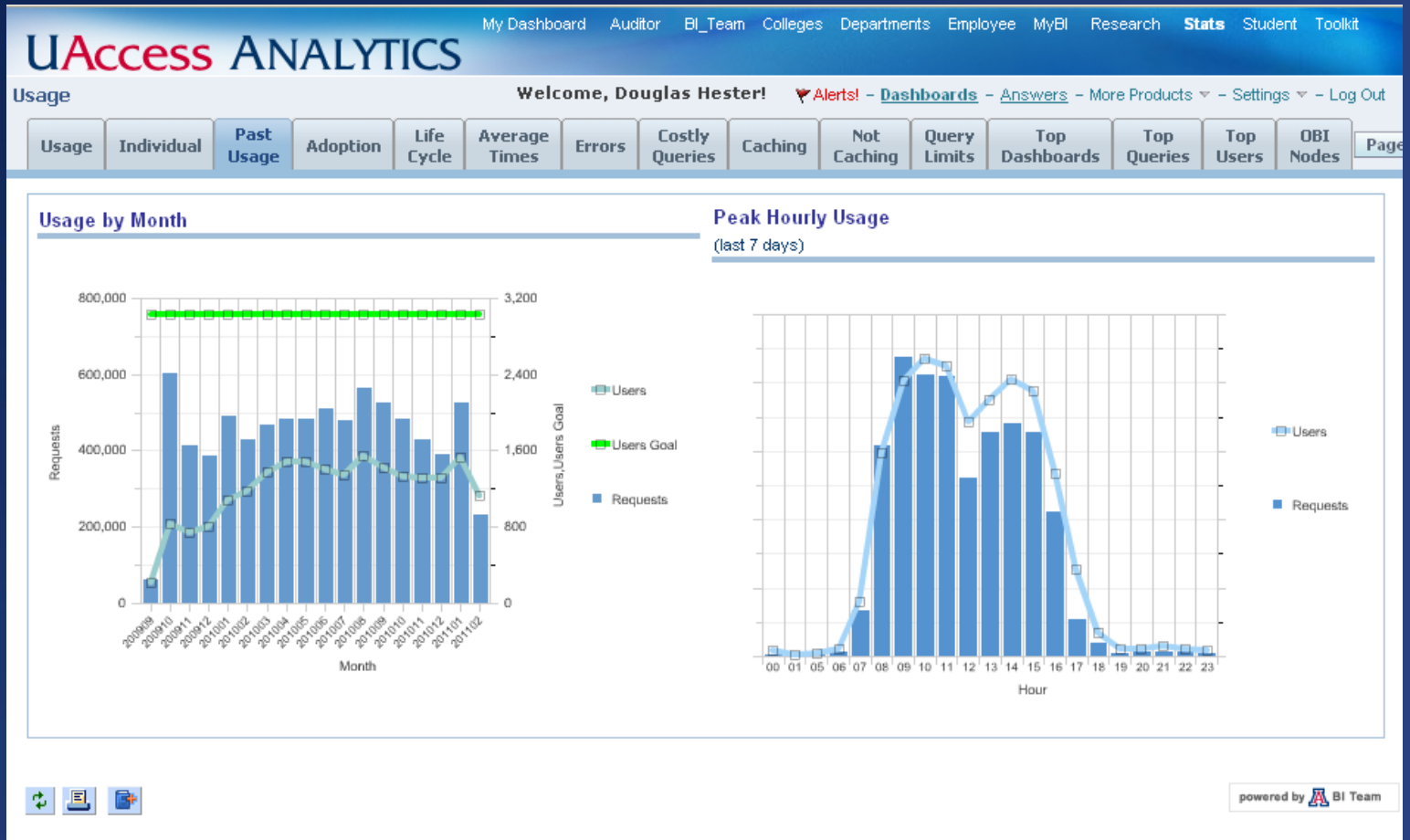
500 daily users

1,500 monthly users

Also Demo, Development, Training servers and local developer laptops



OBI
10g



University of Arizona and OBI 11g



OBIEE 11g version 11.1.1

One two-server cluster and laptop test environments

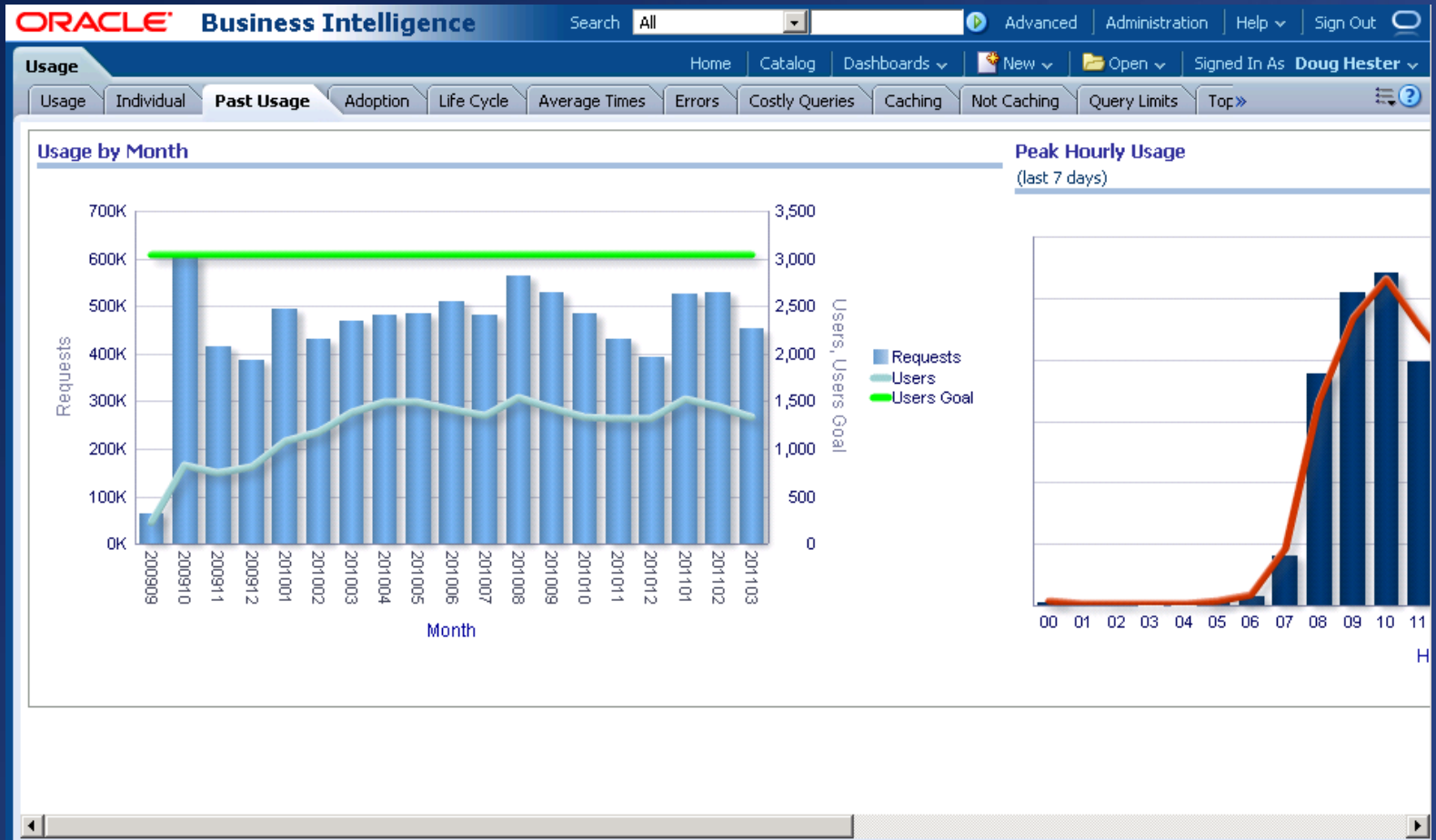
Cluster using upgraded copy of Production repository and web catalog

Laptop testing started September, 2010

Cluster started December, 2010



OBI
11g



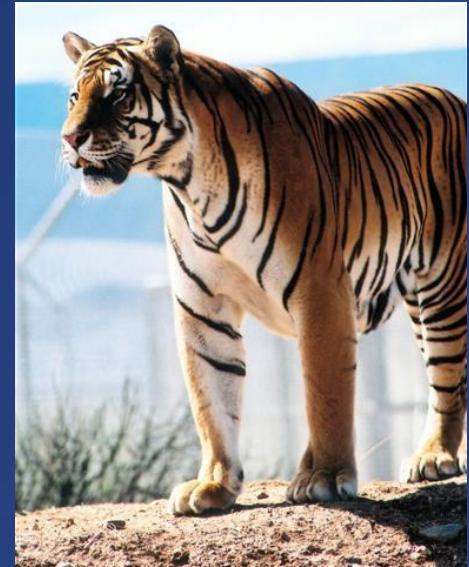
Upgrading existing
configuration from 10 to 11g



Overview (upgrading)



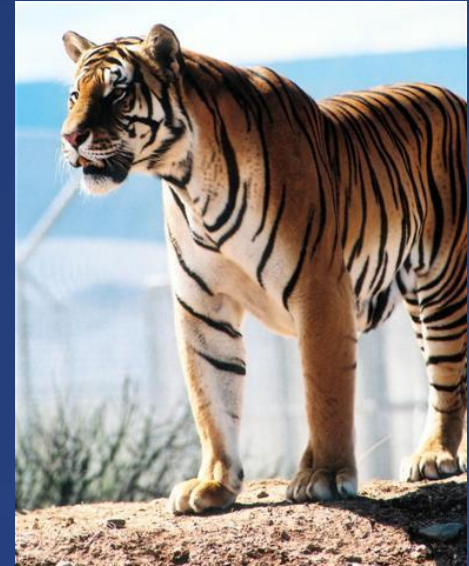
- Repository
- Web Catalog
- Authentication
- Authorization



Overview (upgrading)



- Repository
- Web Catalog
- Authentication
- Authorization



Upgrading (repository)

- Use the Upgrade Assistant
- Be prepared to fix syntax issues (mostly extra spaces before or after object names)
- U of AZ has 101+ subject areas



Upgrading (repository cont.)

Oracle Fusion Middleware Upgrade Assistant - Step 3 of 8

Specify Source Details

ORACLE **11g**
FUSION MIDDLEWARE

- Welcome
- RPD & Catalog
- Source**
- WebLogic Server
- Examine
- Upgrade Summary
- Upgrade Progress
- End of Upgrade

Upgrade Repository (RPD)

Enter the details for the 10g RPD.

RPD File:

Administrator User Name:

Administrator Password:

Enter a password which will be used to secure the upgraded 11g RPD.

Password:

Confirm Password:

Upgrade Catalog

Catalog Directory:

Catalog Deliveries Directory:



Upgrading (repository cont.)

Oracle Fusion Middleware Upgrade Assistant - Step 4 of 8

Specify WebLogic Server

ORACLE 11g
FUSION MIDDLEWARE

Enter the WebLogic Admin Server connection details.

Host: localhost

Port:

Username:

Password:

Help < Back Next > Upgrade Cancel

- Welcome
- RPD & Catalog
- Source
- WebLogic Server**
- Examine
- Upgrade Summary
- Upgrade Progress
- End of Upgrade



Upgrading (repository cont.)

Oracle Fusion Middleware Upgrade Assistant - Step 7 of 8

Upgrading Components

ORACLE FUSION MIDDLEWARE 11g

- Welcome
- RPD & Catalog
- Source
- WebLogic Server
- Examine
- Upgrade Summary
- Upgrade Progress**
- End of Upgrade

Upgrade Progress

29%

Starting OPMN

Component Name	Status
Oracle Business Intelligence Enterprise Edition	in progress ...

A log of this session is located at:
C:\obiee11g\Oracle_BI1\upgrade\logs\ua2011-03-27-12-33-39PM.log

Help < Back Next > Upgrade Cancel



Upgrading (repository cont.)

Oracle Fusion Middleware Upgrade Assistant - Step 7 of 8

Upgrading Components

Upgrade Progress

43%

Migrating RPD users and groups

Component Name	Status
Oracle Business Intelligence Enterprise Edition	in progress ...

A log of this session is located at:
C:\obiee11q\Oracle_BI1\upgrade\logs\wa2011-03-27-12-33-39PM.log

Help < Back Next > Upgrade Cancel



Upgrading (repository cont.)

Oracle Fusion Middleware Upgrade Assistant - Step 7 of 8

Upgrading Components

Upgrade Progress

57%

Loading upgraded RPD into Oracle BIEE

Component Name	Status
Oracle Business Intelligence Enterprise Edition	in progress ...

A log of this session is located at:
C:\obiee11q\Oracle_BI1\upgrade\logs\ua2011-03-27-12-33-39PM.log

Help < Back Next > Upgrade Cancel



Upgrading (repository cont.)

Oracle Fusion Middleware Upgrade Assistant - Step 7 of 8

Upgrading Components

ORACLE 11g
FUSION MIDDLEWARE

- Welcome
- RPD & Catalog
- Source
- WebLogic Server
- Examine
- Upgrade Summary
- Upgrade Progress**
- End of Upgrade

Upgrade Progress

71%

Starting Oracle BI Server

Component Name	Status
Oracle Business Intelligence Enterprise Edition	in progress ...

A log of this session is located at:
C:\obiee11g\Oracle_BI1\upgrade\logs\ua2011-03-27-12-33-39PM.log

Help < Back Next > Upgrade Cancel



Upgrading (repository cont.)

Oracle Fusion Middleware Upgrade Assistant - Step 7 of 8

Upgrading Components

ORACLE FUSION MIDDLEWARE 11g

- Welcome
- RPD & Catalog
- Source
- WebLogic Server
- Examine
- Upgrade Summary
- Upgrade Progress**
- End of Upgrade

Upgrade Progress

100%

Upgrade finished.

Component Name	Status
Oracle Business Intelligence Enterprise Edition	failed

A log of this session is located at:
C:\obiee11g\Oracle_BI1\upgrade\logs\ua2011-03-27-12-33-39PM.log

Help < Back Next > Upgrade Close

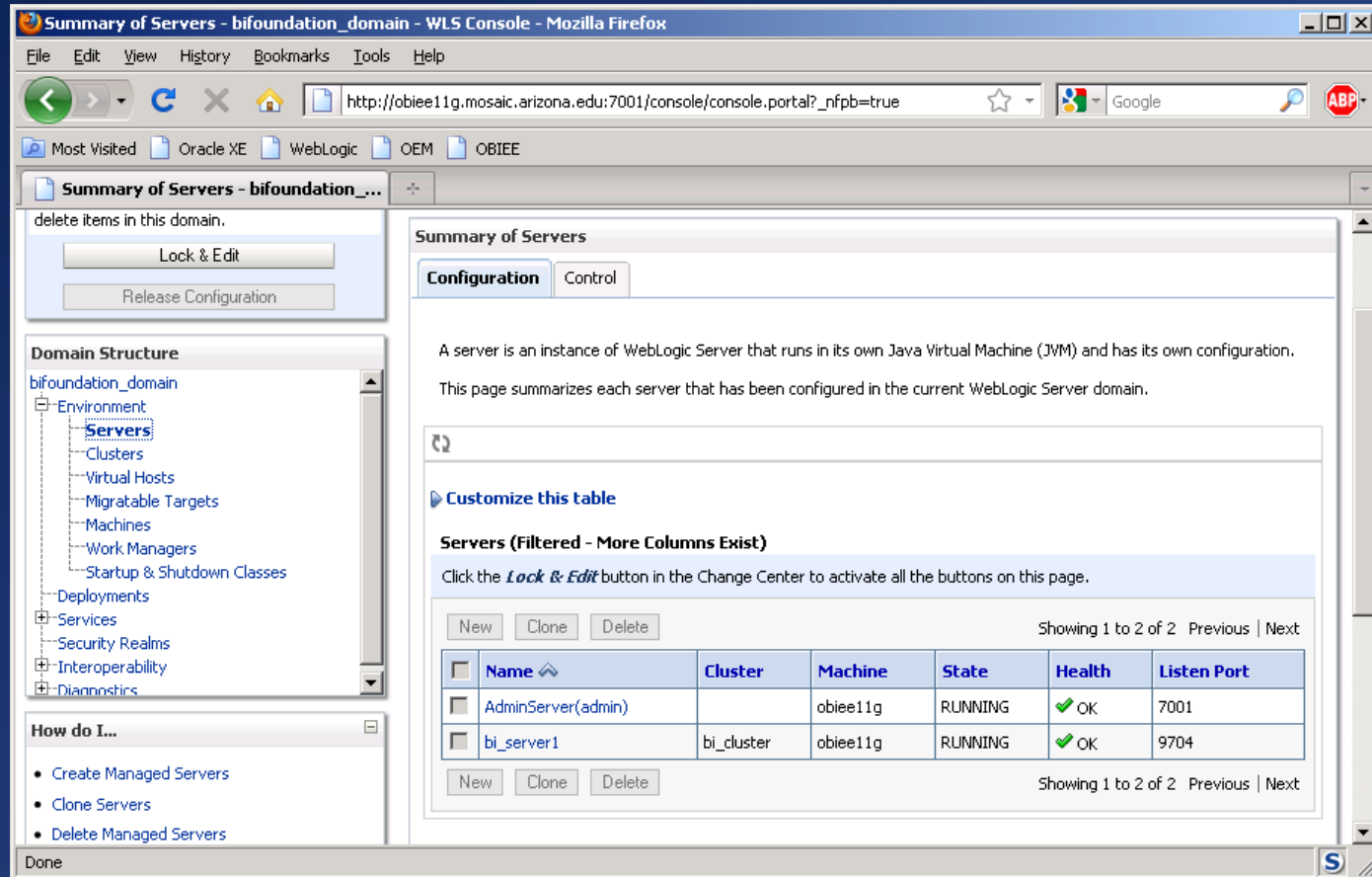


Upgrading (repository cont.)

```
TION] [upgrade.Framework] Starting to upgrade BIEE.  
[upgrade.BIEE] 10g RPD : C:\temp\UAMaster.prod.2011.02.03.rpd  
[upgrade.BIEE] Migrating RPD users and groups  
[upgrade.BIEE] Please enter the 10g Admin password:  
[upgrade.BIEE] Please enter the encryption password  
[upgrade.BIEE] RPD migration utility encountered the following issue: User TL has an expired password : not mig  
[upgrade.BIEE] Exported RPD groups and users imported into WLS/LDAP  
oracle.bi.security] Adding member 'BI_SA_MED' to role 'BI_SA_MED'  
oracle.bi.security] Adding member 'BI_Developers_Edit' to role 'BI_Developers_Edit'  
oracle.bi.security] Adding member 'XMLP_ADMIN' to role 'XMLP_ADMIN'  
oracle.bi.security] Adding member 'BI_HR_HIGH' to role 'BI_HR_HIGH'  
oracle.bi.security] Adding member 'BI_AUDITOR' to role 'BI_AUDITOR'  
oracle.bi.security] Adding member 'BI_SA_ADV' to role 'BI_SA_ADV'  
oracle.bi.security] Adding member 'BI_HR_MED' to role 'BI_HR_MED'  
oracle.bi.security] Adding member 'BI_SA_HIGH' to role 'BI_SA_HIGH'  
oracle.bi.security] Adding member 'XMLP_SCHEDULER' to role 'XMLP_SCHEDULER'  
oracle.bi.security] Adding member 'BI_RA_MED' to role 'BI_RA_MED'  
oracle.bi.security] Adding member 'BI_SA_REC' to role 'BI_SA_REC'  
oracle.bi.security] Adding member 'BI_DEVELOPER' to role 'BI_DEVELOPER'  
oracle.bi.security] Adding member 'BI_HR_TL' to role 'BI_HR_TL'  
oracle.bi.security] Adding member 'XMLP_ANALYZER_ONLINE' to role 'XMLP_ANALYZER_ONLINE'  
oracle.bi.security] Adding member 'BI_HR_LOW' to role 'BI_HR_LOW'  
oracle.bi.security] Adding member 'PROXY_USER_GROUPS' to role 'PROXY_USER_GROUPS'  
oracle.bi.security] Adding member 'Hidden Objects Dummy group' to role 'Hidden Objects Dummy group'  
oracle.bi.security] Adding member 'BI_OBI_SELECT' to role 'BI_OBI_SELECT'  
oracle.bi.security] Adding member 'XMLP_TEMPLATE_DESIGNER' to role 'XMLP_TEMPLATE_DESIGNER'  
oracle.bi.security] Adding member 'BI_SA_LOW' to role 'BI_SA_LOW'  
oracle.bi.security] Adding member 'BI_RA_HIGH' to role 'BI_RA_HIGH'  
oracle.bi.security] Adding member 'XMLP_DEVELOPER' to role 'XMLP_DEVELOPER'  
oracle.bi.security] Adding member 'XMLP_ANALYZER_EXCEL' to role 'XMLP_ANALYZER_EXCEL'  
oracle.bi.security] Adding member 'BI_RA_LOW' to role 'BI_RA_LOW'  
[upgrade.BIEE] Oracle Business Intelligence Repository successfully upgraded with 1 warnings  
[upgrade.BIEE] javax.managementOperationException: Unable to start process: instancel: coreapplication_obis1[
```



Upgrading (repository cont.)



Summary of Servers - bifoundation_domain - WLS Console - Mozilla Firefox

delete items in this domain.

Lock & Edit

Release Configuration

Domain Structure

- bifoundation_domain
 - Environment
 - Servers**
 - Clusters
 - Virtual Hosts
 - Migratable Targets
 - Machines
 - Work Managers
 - Startup & Shutdown Classes
 - Deployments
 - Services
 - Security Realms
 - Interoperability
 - Diagnosics

Summary of Servers

Configuration Control

A server is an instance of WebLogic Server that runs in its own Java Virtual Machine (JVM) and has its own configuration. This page summarizes each server that has been configured in the current WebLogic Server domain.

[Customize this table](#)

Servers (Filtered - More Columns Exist)

Click the *Lock & Edit* button in the Change Center to activate all the buttons on this page.

New Clone Delete Showing 1 to 2 of 2 Previous | Next

<input type="checkbox"/>	Name	Cluster	Machine	State	Health	Listen Port
<input type="checkbox"/>	AdminServer(admin)		obiee11g	RUNNING	OK	7001
<input type="checkbox"/>	bi_server1	bi_cluster	obiee11g	RUNNING	OK	9704

New Clone Delete Showing 1 to 2 of 2 Previous | Next

Done



Upgrading (repository cont.)

```
nqserver.log - Notepad
File Edit Format View Help
00hzwmLAD7JFw0WFLzyGOA0000gw000000 [tid: ee4] [nqSError: 46066] operation cancelled.
[2011-03-27T19:39:33.000+00:00] [OracleBIServerComponent] [NOTIFICATION:1] [] [] [ecid:
00hzwmLAD7JFw0WFLzyGOA0000gw000000] [tid: f3c] [43031] : Oracle BI server shutdown.
[2011-03-27T19:39:34.000+00:00] [OracleBIServerComponent] [NOTIFICATION:1] [] [] [ecid:
00hzwmLAD7JFw0WFLzyGOA0000gw000000] [tid: f3c] [85008] MDX Member Name Cache subsystem
statistics - Entries: 0, Sizes: 0 bytes, overall Queries: 0, Hits: 0(0%), Misses: 0(0%).
[2011-03-27T19:39:34.000+00:00] [OracleBIServerComponent] [NOTIFICATION:1] [] [] [ecid:
00hzwmLAD7JFw0WFLzyGOA0000gw000000] [tid: f3c] [85007] MDX Member Name Cache subsystem
stopped.
[2011-03-27T19:39:34.000+00:00] [OracleBIServerComponent] [NOTIFICATION:1] [] [] [ecid:
00hzwmLAD7JFw0WFLzyGOA0000gw000000] [tid: f3c] [58001] Query Cache Statistics --
Hits:0(0%), qualified Misses:0(0%), unqualified Misses:0(0%).
[2011-03-27T19:39:36.000+00:00] [OracleBIServerComponent] [NOTIFICATION:1] [] [] [ecid:
00hzwmLAD7JFw0WFLzyGOA0000gw000000] [tid: f3c] [14058] unloaded all subject areas.
[2011-03-27T19:40:47.000+00:00] [OracleBIServerComponent] [WARNING:1] [] [] [ecid: ] [tid:
3d0] warning: clustering and cache are enabled for this OBIS node, but cluster aware cache
is disabled. This can lead to inconsistencies.
[2011-03-27T19:40:51.000+00:00] [OracleBIServerComponent] [NOTIFICATION:1] [] [] [ecid:
00hzx99AAzCFw0WFLzyGOA0000qs000000] [tid: 3d0] [36007] Loading repository
c:\obieellg\instances\instance1\bifoundation\OracleBIServerComponent\coreapplication_obis1\
epository\UAMaster_BI0001.prod.2011.02.03.rpd.
[2011-03-27T19:40:52.000+00:00] [OracleBIServerComponent] [ERROR:1] [] [] [ecid: ] [tid:
3d0] [nqSError: 13042] Repository password is wrong.
[2011-03-27T19:40:52.000+00:00] [OracleBIServerComponent] [NOTIFICATION:1] [] [] [ecid: ]
[tid: 3d0] server start up failed: [nqSError: 13042] Repository password is wrong.
[2011-03-27T19:40:57.000+00:00] [OracleBIServerComponent] [WARNING:1] [] [] [ecid: ] [tid:
c3c] warning: clustering and cache are enabled for this OBIS node, but cluster aware cache
is disabled. This can lead to inconsistencies.
[2011-03-27T19:40:59.000+00:00] [OracleBIServerComponent] [NOTIFICATION:1] [] [] [ecid:
00hzx9AAqn9Fw0WFLzyGOA0000tg000000] [tid: c3c] [36007] Loading repository
c:\obieellg\instances\instance1\bifoundation\OracleBIServerComponent\coreapplication_obis1\
epository\UAMaster_BI0001.prod.2011.02.03.rpd.
[2011-03-27T19:40:59.000+00:00] [OracleBIServerComponent] [ERROR:1] [] [] [ecid: ] [tid:
c3c] [nqSError: 13042] Repository password is wrong.
[2011-03-27T19:40:59.000+00:00] [OracleBIServerComponent] [NOTIFICATION:1] [] [] [ecid: ]
[tid: c3c] server start up failed: [nqSError: 13042] Repository password is wrong.
```



Upgrading (repository cont.)

ORACLE Enterprise Manager Fusion Middleware Control 11g

Setup Help Log

Farm Topology

Farm_bifoundation_domain

Application Deployments
WebLogic Domain
Business Intelligence
Metadata Repositories

Farm_bifoundation_domain

Logged in as weblo
Page Refreshed Mar 27, 2011 1:50:12 PM MST

Deployments

100% Up (34)

Name	Status	Target
Application Deployment:		
Internal Applications		
analytics(11.1.1)	↑	bi_cluster
analytics(11.1.1)	↑	bi_server1
analytics(11.1.1)	↑	bi_server2
biadminservices(11.1.1)	↑	AdminServer
biadminutils(11.1.1)	↑	AdminServer
bilocaladmin(11.1.1)	↑	bi_cluster
bilocaladmin(11.1.1)	↑	bi_server1
bilocaladmin(11.1.1)	↑	bi_server2
bimiddleware(11.1.1)	↑	bi_cluster
bimiddleware(11.1.1)	↑	bi_server1
bimiddleware(11.1.1)	↑	bi_server2

Fusion Middleware

100% Up (3)

Name	Status	Host	CPU
WebLogic Domain			
bifoundation_domain			
AdminServer	↑	UITS-MOSBIDev19.c	
bi_cluster	↑		
bi_server1	↑	UITS-MOSBIDev19.c	
bi_server2	↑	UITS-MOSBIDev18.c	
Business Intelligence			
coreapplication			
Metadata Repositories			
mds-owsm		UITS-MOSBIDev19.c	



Upgrading (repository cont.)

The screenshot shows the Oracle Enterprise Manager Fusion Middleware Control 11g interface. The page title is "coreapplication" and it is identified as a "Business Intelligence Instance". The user is logged in as "web". The page was refreshed on Mar 27, 2011 1:56:11 PM. The interface includes a "Change Center" with a "Lock and Edit Configuration" option. There are tabs for "Overview", "Capacity Management", "Diagnostics", "Security", and "Deployment".

System Shutdown & Startup

A green 3D pie chart shows 100% of system components are up. A small green square icon indicates "Up (5)".

System Status: All components are available. **Manage System**: Start, Stop, Restart buttons.

Capacity Management

Responsiveness		Load	
Request Processing Time (ms)	257.833	Active Sessions	0
Average Query Time (seconds)	5	Requests (per minute)	2.083
		Server Queries (per second)	16

Diagnostics

Most Recent Errors

Severity	Message
✖	[nQSError: 46066] Operation cancelled.

BI Instance Resource Center

Before You Begin

- Introduction to Oracle Business Intelligence
- Getting Started with Managing Oracle Business Intelligence

Typical Administration Tasks

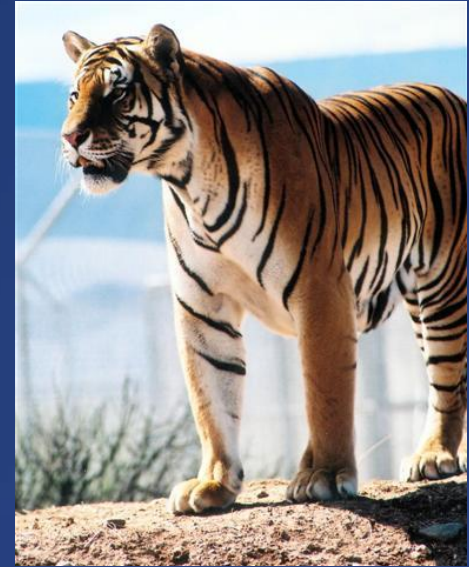
- Perform General Management and Configuration Tasks



Overview (upgrading)



- Repository
- **Web Catalog**
- Authentication
- Authorization



Upgrading (web catalog)

- Use Upgrade Assistant
- Be prepared to fix catalog issues (mostly with corrupted and missing query files)
- U of AZ has 200+ central dashboard pages
- 1,500 active users each month w/ access to create their own queries



Upgrading (web catalog cont.)

Oracle Fusion Middleware Upgrade Assistant - Step 3 of 8

Specify Source Details

ORACLE FUSION MIDDLEWARE 11g

- Welcome
- RPD & Catalog
- Source**
- WebLogic Server
- Examine
- Upgrade Summary
- Upgrade Progress
- End of Upgrade

Upgrade Repository (RPD)

Enter the details for the 10g RPD.

RPD File:

Administrator User Name:

Administrator Password:

Enter a password which will be used to secure the upgraded 11g RPD.

Password:

Confirm Password:

Upgrade Catalog

Catalog Directory:

Catalog Deliveries Directory:



Upgrading (web catalog cont.)

Oracle Fusion Middleware Upgrade Assistant - Step 7 of 8

Upgrading Components

ORACLE 11g
FUSION MIDDLEWARE

- Welcome
- RPD & Catalog
- Source
- WebLogic Server
- Examine
- Upgrade Summary
- Upgrade Progress**
- End of Upgrade

Upgrade Progress

2%

Stopping Oracle BI Server

Component Name	Status
Oracle Business Intelligence Enterprise Edition	in progress ...

A log of this session is located at:
C:\obiee11g\Oracle_BI1\upgrade\logs\ua2011-03-27-05-16-27AM.log

Help < Back Next > Upgrade Cancel



Upgrading (web catalog cont.)

Oracle Fusion Middleware Upgrade Assistant - Step 7 of 8

Upgrading Components

Upgrade Progress

2%

Copying catalog : completed 500 files

Component Name	Status
Oracle Business Intelligence Enterprise Edition	in progress ...

A log of this session is located at:
C:\obiee11q\Oracle_BI1\upgrade\logs\wa2011-03-27-05-16-27AM.log

Help < Back Next > Upgrade Cancel



Upgrading (web catalog cont.)

Oracle Fusion Middleware Upgrade Assistant - Step 7 of 8

Upgrading Components

ORACLE 11g
FUSION MIDDLEWARE

- Welcome
- RPD & Catalog
- Source
- WebLogic Server
- Examine
- Upgrade Summary
- Upgrade Progress**
- End of Upgrade

Upgrade Progress

100%

Upgrade finished.

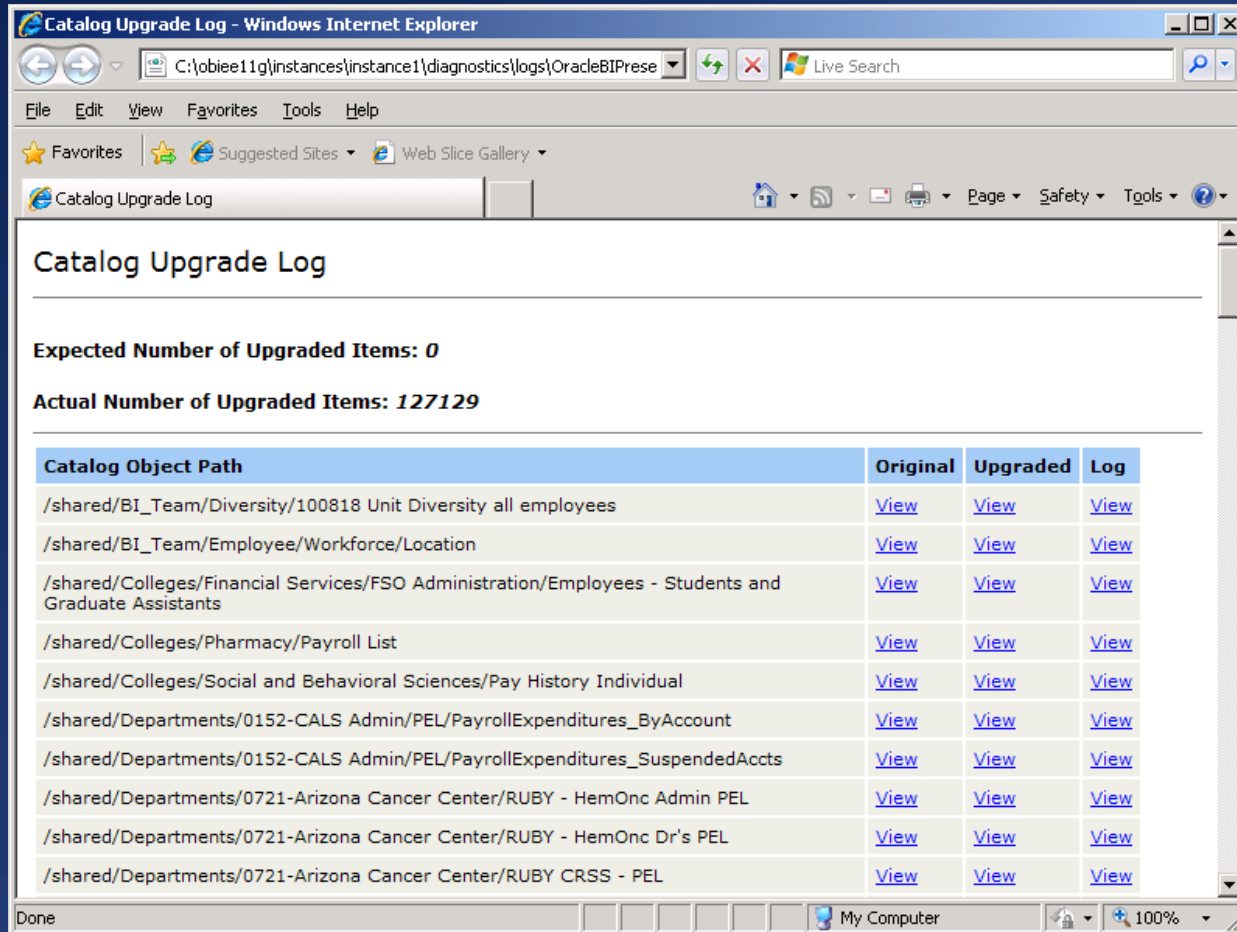
Component Name	Status
Oracle Business Intelligence Enterprise Edition	failed

A log of this session is located at:
C:\obiee11g\Oracle_BI1\upgrade\logs\wa2011-03-27-05-16-27AM.log

Help < Back Next > Upgrade Close



Upgrading (web catalog cont.)



Catalog Upgrade Log - Windows Internet Explorer

C:\obiee11g\instances\instance1\diagnostics\logs\OracleBIPrese

File Edit View Favorites Tools Help

★ Favorites Suggested Sites Web Slice Gallery

Catalog Upgrade Log

Catalog Upgrade Log

Expected Number of Upgraded Items: 0

Actual Number of Upgraded Items: 127129

Catalog Object Path	Original	Upgraded	Log
/shared/BI_Team/Diversity/100818 Unit Diversity all employees	View	View	View
/shared/BI_Team/Employee/Workforce/Location	View	View	View
/shared/Colleges/Financial Services/FSO Administration/Employees - Students and Graduate Assistants	View	View	View
/shared/Colleges/Pharmacy/Payroll List	View	View	View
/shared/Colleges/Social and Behavioral Sciences/Pay History Individual	View	View	View
/shared/Departments/0152-CALS Admin/PEL/PayrollExpenditures_ByAccount	View	View	View
/shared/Departments/0152-CALS Admin/PEL/PayrollExpenditures_SuspendedAccts	View	View	View
/shared/Departments/0721-Arizona Cancer Center/RUBY - HemOnc Admin PEL	View	View	View
/shared/Departments/0721-Arizona Cancer Center/RUBY - HemOnc Dr's PEL	View	View	View
/shared/Departments/0721-Arizona Cancer Center/RUBY CRSS - PEL	View	View	View

Done My Computer 100%



Upgrading (web catalog cont.)

Catalog Upgrade Log - Windows Internet Explorer

C:\objee11g\instances\instance1\diagnostics\logs\OracleBIPrese

File Edit View Favorites Tools Help

★ Favorites Suggested Sites Web Slice Gallery

Catalog Upgrade Log

/users/sweett/AZPM Active Wage Employee Report	View	View	View
/users/sweett/AZPM Employee Contact Info Report	View	View	View
/users/sweett/AZPM Employee-Includes T R S Report	View	View	View
/users/tdarby/_portal/page 1	View	View	View
/users/troebeck/_portal/page 1	View	View	View
/users/wadlund/_portal/page 1	View	View	View
/users/wmorrow/PELsByAccountNoDash	View	View	View
/users/zavala/Shared via XML/NOA Mail Merge	View	View	View
/users/zavala/xml shared dashboards/appointed professionals	View	View	View

Validation Failures

Catalog Object Signature	Exceptions	Invalid Xml
codashboardselections1	View	View
dashboardpageitem1	View	View
queryitem1	View	View
codashboardselections1	View	View
queryitem1	View	View

My Computer 100%



Upgrading (web catalog cont.)

```
C:\jobie11g\instances\instance1\diagnostics\logs\Or...
</saw:edge axis="column"/>
</saw:edges>
</saw:view>
</saw:views>
& & <saw:prompts/>
</saw:report>
</sawsel:ref>
</sawsel:reportsReferredTo>
</sawsel:dashboardSelections>
Validation Errors:
No character data is allowed by content model
No character data is allowed by content model
No character data is allowed by content model
No character data is allowed by content model
No character data is allowed by content model
No character data is allowed by content model
No character data is allowed by content model
No character data is allowed by content model
No character data is allowed by content model
No character data is allowed by content model
No character data is allowed by content model
No character data is allowed by content model
No character data is allowed by content model
No character data is allowed by content model
No character data is allowed by content model
No character data is allowed by content model
No character data is allowed by content model
No character data is allowed by content model
```



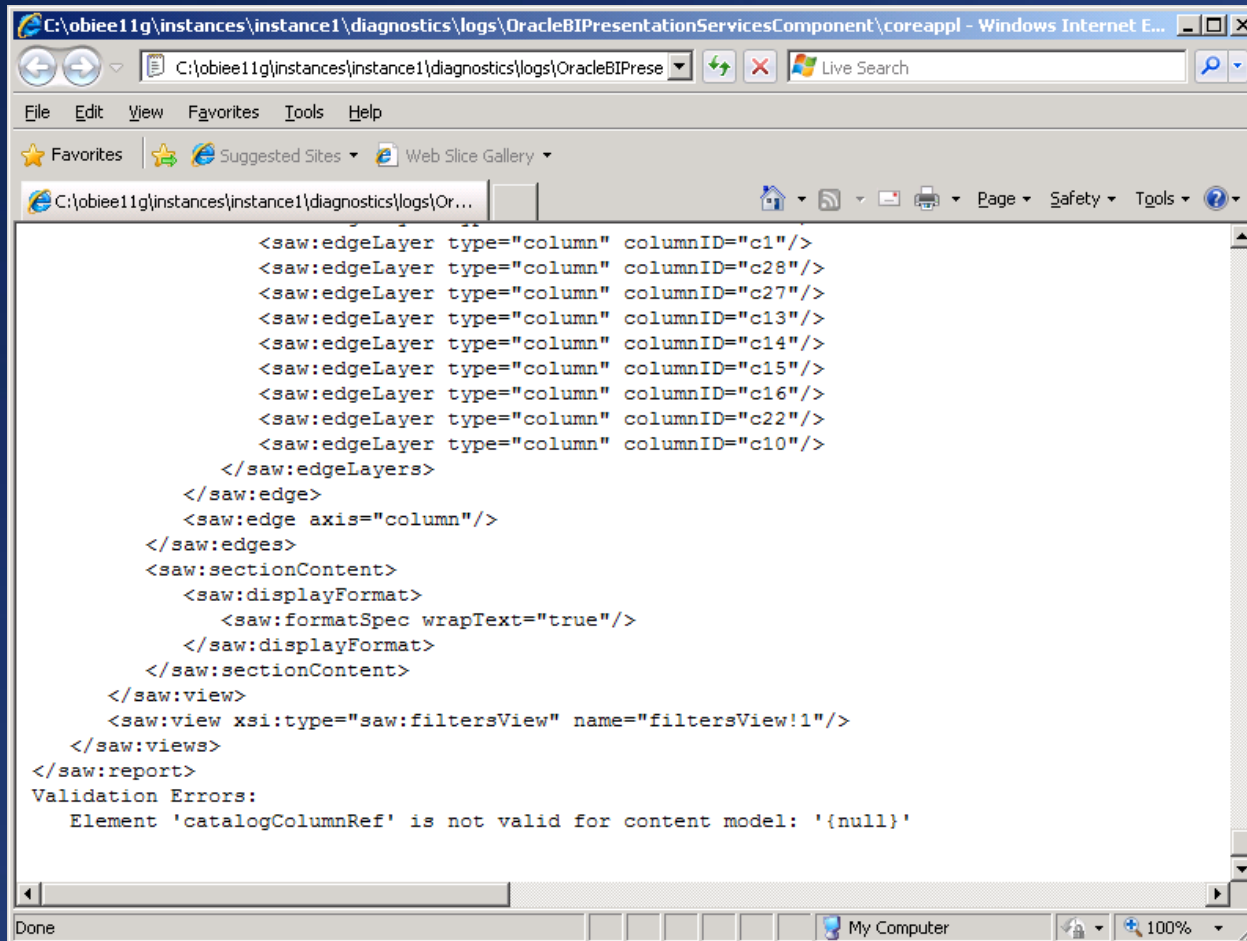
Upgrading (web catalog cont.)

```
appointed+professionals0.log - Notepad
File Edit Format View Help
[[2011-02-06T18:09:58.000-07:00] [OBIPS] [ERROR:10] []
[saw.subsystem.catalog.initialize.upgradeexceptions] [ecid: ] [tid: ] Catalog object schema
validation failed: /users/zavala/xml shared dashboards/appointed professionals0The current
xml is invalid with the following errors:
////////////////////////////////////
Path: /users/zavala/xml shared dashboards/appointed professionals
xml validation of upgraded queryitem1 object failed.

Original XML:
<?xml version="1.0" encoding="utf-8"?><saw:report
xmlns:saw="com.siebel.analytics.web/report/v1" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlVersion="200705140" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:sawx="com.siebel.analytics.web/expression/v1"><saw:criteria subjectArea="&quot;HCM
- Employee Profile&quot;"><saw:columns><saw:column formula="&quot;- Contact
Information&quot;.&quot;Last Name&quot;" columnID="c3"><saw:displayFormat
suppress="repeat" interaction="default" wrapText="true"/><saw:columnHeading></saw:columnHeading>
</saw:column><saw:column formula="&quot;- Contact
Information&quot;.&quot;First Name&quot;" columnID="c2"><saw:displayFormat
suppress="repeat" interaction="default" wrapText="true"/><saw:columnHeading></saw:columnHeading>
</saw:column><saw:column formula="&quot;- Contact
Information&quot;.&quot;Middle Name&quot;" columnID="c14"/><saw:column
formula="&quot;- Contact Information&quot;.&quot;Email Address&quot;" columnID="c10">
<saw:displayFormat suppress="repeat" interaction="default" wrapText="true"/>
<saw:columnHeading></saw:columnHeading></saw:column><saw:column formula="&quot;-
Contact Information&quot;.&quot;Employee ID&quot;" columnID="c0">
<saw:displayFormat suppress="repeat" interaction="default" wrapText="true"/>
<saw:columnHeading></saw:columnHeading><saw:column formula="&quot;- Contact
Information&quot;.&quot;Net Id&quot;" columnID="c1">
<saw:displayFormat
suppress="repeat" interaction="default" wrapText="true"/><saw:columnHeading></saw:columnHeading>
</saw:column><saw:column formula="&quot;- Contact
Information&quot;.&quot;PSOS (Legacy) Id&quot;" columnID="c12">
<saw:displayFormat suppress="repeat" interaction="default" wrapText="true"/>
```



Upgrading (web catalog cont.)



```
<saw:edgeLayer type="column" columnID="c1"/>
<saw:edgeLayer type="column" columnID="c28"/>
<saw:edgeLayer type="column" columnID="c27"/>
<saw:edgeLayer type="column" columnID="c13"/>
<saw:edgeLayer type="column" columnID="c14"/>
<saw:edgeLayer type="column" columnID="c15"/>
<saw:edgeLayer type="column" columnID="c16"/>
<saw:edgeLayer type="column" columnID="c22"/>
<saw:edgeLayer type="column" columnID="c10"/>
</saw:edgeLayers>
</saw:edge>
<saw:edge axis="column"/>
</saw:edges>
<saw:sectionContent>
  <saw:displayFormat>
    <saw:formatSpec wrapText="true"/>
  </saw:displayFormat>
</saw:sectionContent>
</saw:view>
<saw:view xsi:type="saw:filtersView" name="filtersView!1"/>
</saw:views>
</saw:report>
Validation Errors:
  Element 'catalogColumnRef' is not valid for content model: '{null}'
```



Upgrading (web catalog cont.)

ORACLE Business Intelligence Search Advanced Administration Home

Usage Home Catalog Dashboards New Open Signed In

Usage Individual Past Usage Adoption Life Cycle **Average Times** Errors Costly Que

Average and Median Query Times

Today-HCM

Hour	Cache Requests	DB Requests	DB Average	DB Average LI...
09	2	1	22	1
11	2	2	2	1
12	2	2	2	1
13	2	2	2	1
14	2	25	2	1

Today-Direct DB Requests

Hour	DB Requests	DB Average
07	1	1.2
11	4	7.2
14	8	1.2

Today-CSW

Hour	Cached	Database	Average	Average (Live)
06	2	4	28	2
11	2	2	2	2
13	2	2	2	2
14	2	25	2	2
15	2	7	2	2

No Results
The specified criteria didn't result in any data.
[Refresh](#)

Today-DBI (excl. "My Analytics Roles" query)

Hour	Cache Requests	DB Requests	DB Average	DB Average LI...
09	2	1	22	1

Most Recent(Usage - Average Times) ts To>>

- My Dashboard
- MyBI
- Stats
- Config
- Datastage
- Security
- Usage

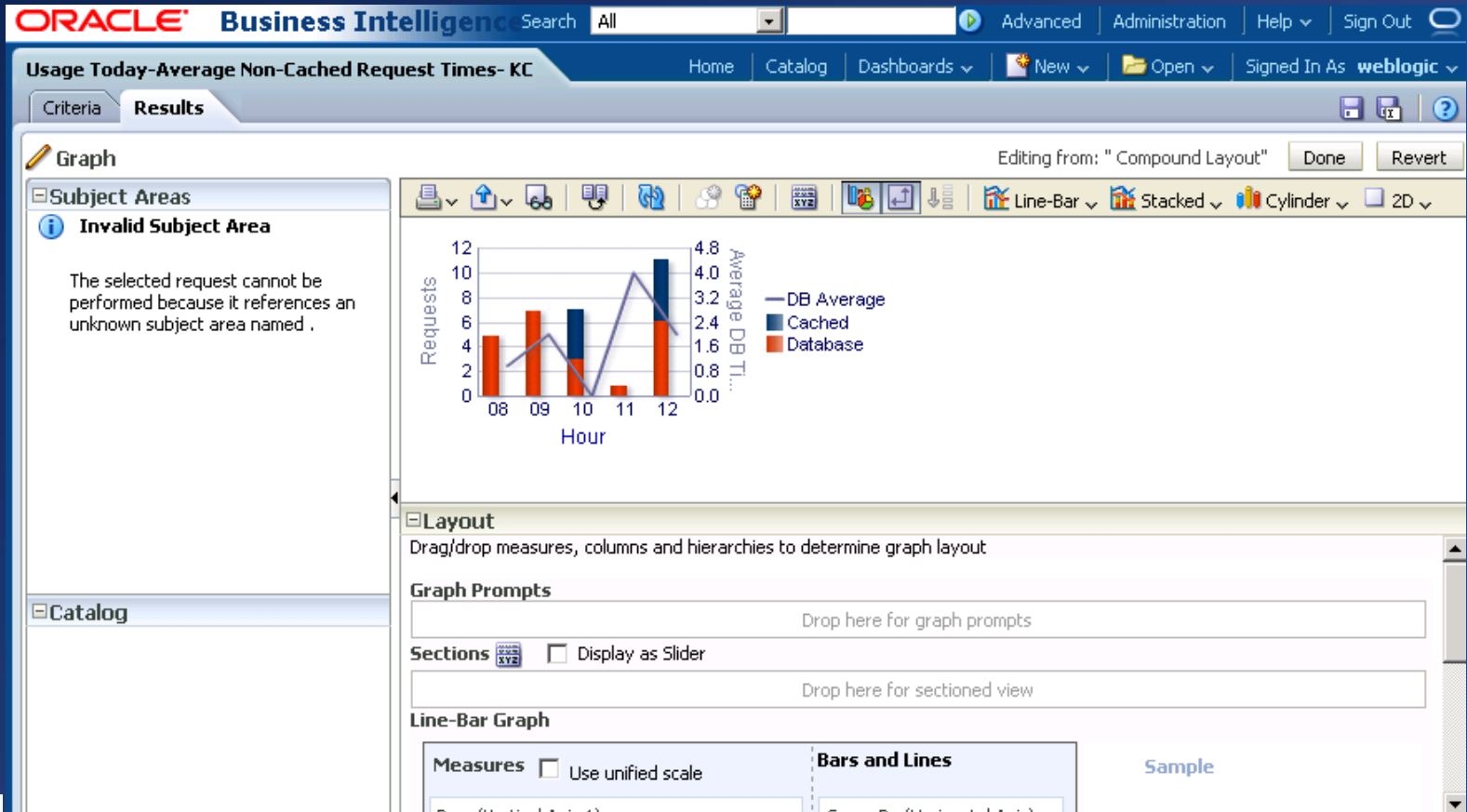
Date	DB Average
2011/03/14	12
2011/03/15	12
2011/03/16	12

Charts on the left of this page are number of requests run against the non-cached request time in a line

Chart on the right shows daily average



Upgrading (web catalog cont.)



Upgrading (web catalog cont.)

ORACLE Business Intelligence Search All [v] [▶] Advanced Administration Help v Sign Out [O]

Usage Today-Average Non-Cached Request Times- KC Home Catalog Dashboards v New v Open v Signed In As weblogic v

Criteria Results [v] [v] [?] [v]

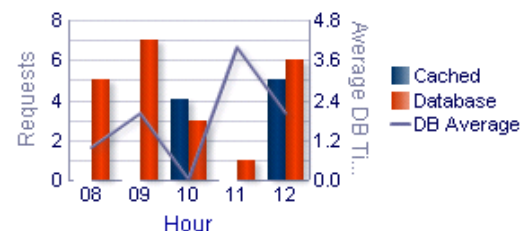
Graph Editing from: "Compound Layout" Done Revert

Subject Areas

- Invalid Subject Area

The selected request cannot be performed because it references an unknown subject area named .

Catalog



Hour	Cached	Database	DB Average
08	0	5.0	2.0
09	0	7.0	3.5
10	4.0	3.0	1.0
11	0	1.0	6.5
12	5.0	6.0	4.0

Layout Drag/drop measures, columns and hierarchies to determine graph layout

Graph Prompts Drop here for graph prompts

Sections [v] [v] Display as Slider Drop here for sectioned view

Line-Bar Graph

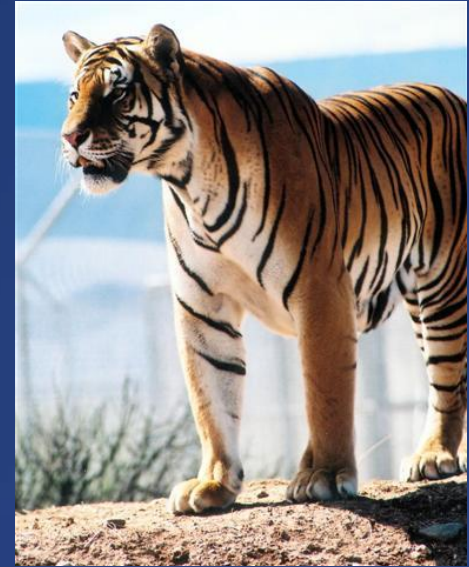
Measures Use unified scale Bars and Lines Sample



Overview (upgrading)



- Repository
- Web Catalog
- **Authentication**
- Authorization



Upgrading (authentication)

- 10g supports LDAP in the repository or Single Sign On (SSO) by pass-through from the web server
- 11g supports SSO in WebLogic Server (WLS) via SAML2 and other standard methods



Upgrading (authentication)

LDAP Server - REAS025

General | Advanced

Name: REAS025

Host name: reas025.dsi-inet.peoplesoft.com

Port number: 389

LDAP version: 2 3

Base DN: dc=dsi-net,dc=peoplesoft, dc=com

Bind DN: cn=orcladmin

Bind password: xxxxxxxxxxxx

Confirm password: xxxxxxxxxxxx

Description:



Upgrading (authentication)

Session Variable Initialization Block - Set USER


Name: Disabled

Data Source

Connection Pool: "OBIEE Login", "OBI Login Connection Pool"

Data base: Oracle 10g R2/11g (Initialization string inherited from Default)

Variable Target

Name	Default Initializer
 USER	

Execution Precedence

No execution precedence setting was made

Required for authentication

Description



Upgrading (authentication)

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic

Home > Providers > myrealm > Summary of Security Realms > myrealm > Providers > DefaultAuthenticator > Summary of Security Realms > SSO > **Providers**

Change Center

View changes and restarts

Pending changes exist. They must be activated to take effect.

Domain Structure

- bifoundation_domain
 - Environment
 - Servers
 - Clusters
 - Virtual Hosts
 - Migratable Targets
 - Machines
 - Work Managers
 - Startup & Shutdown Classes
 - Deployments
 - Services
 - Security Realms
 - Interoperability
 - Diagnostics

Create a New Authentication Provider

Create a new Authentication Provider

The following properties will be used to identify your new Authentication Provider.

* Indicates required fields

The name of the authentication provider.

* **Name:**

This is the type of authentication provider you wish to create.

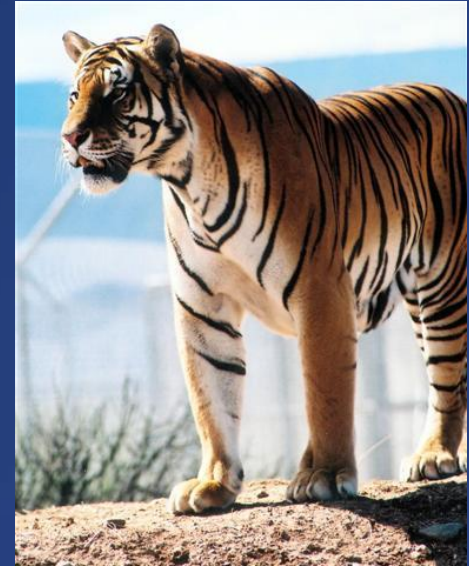
Type:



Overview (upgrading)



- Repository
- Web Catalog
- Authentication
- **Authorization**

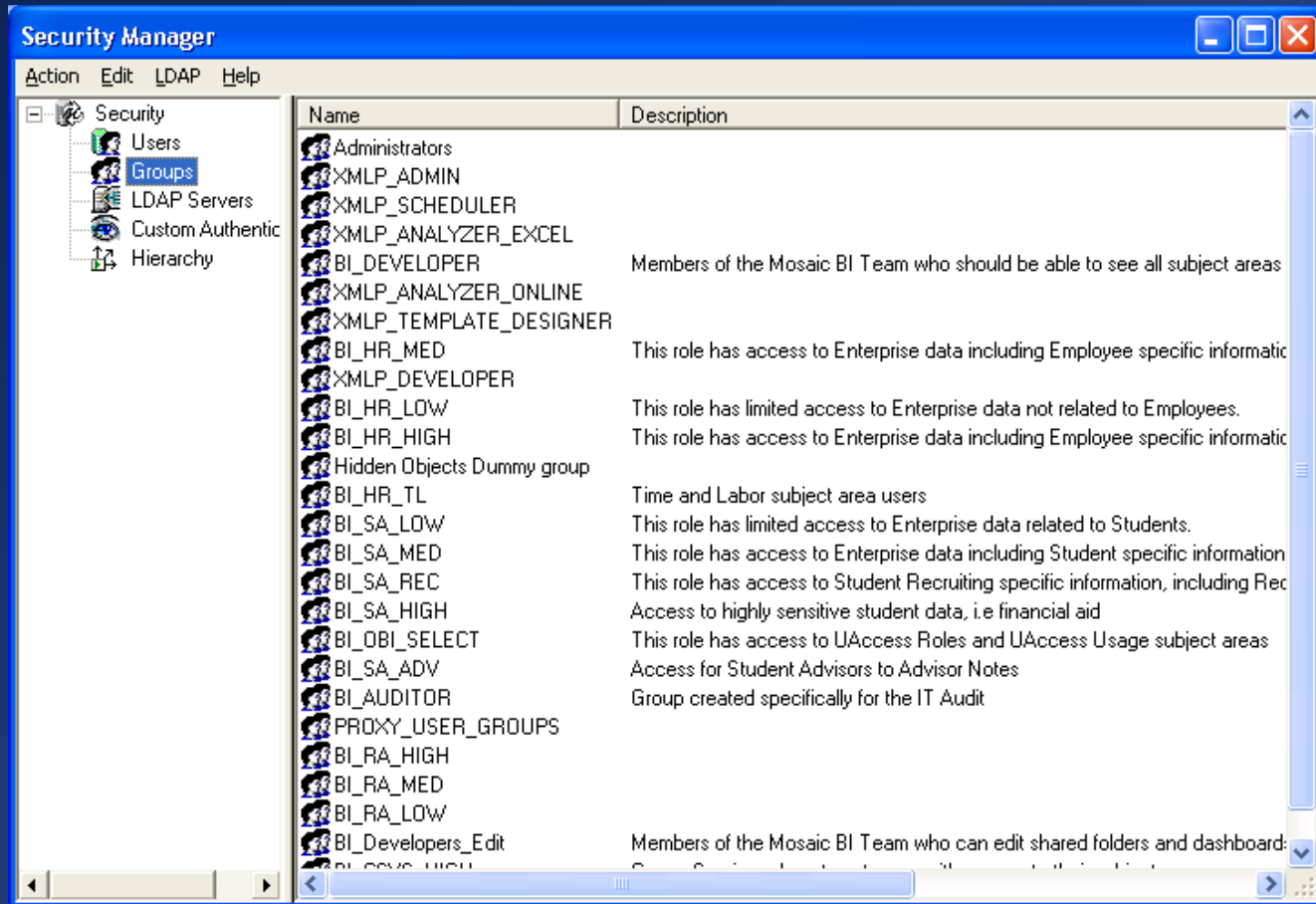


Upgrading (authorization)

- 10g supports authorization groups through LDAP or SQL queries against a database
 - User->Group->Repository->Subject Area
 - User->Group->Catalog->Query/Dashboard
- 11g supports authorization groups through LDAP, SQL, and many other options
 - User->LDAP Group->Role->Repository->Subject Area
 - User->Role->Repository->Subject Area
 - User->LDAP Group->Role->Catalog Group->Analysis/Dashboard
 - User->Role->Catalog Group->Analysis/Dashboard



Upgrading (authorization)



The screenshot shows the Security Manager application window. The title bar reads "Security Manager" and the menu bar includes "Action", "Edit", "LDAP", and "Help". The left sidebar shows a tree view with "Security" expanded, containing "Users", "Groups", "LDAP Servers", "Custom Authentic", and "Hierarchy". The main pane displays a table of user groups.

Name	Description
Administrators	
XMLP_ADMIN	
XMLP_SCHEDULER	
XMLP_ANALYZER_EXCEL	
BI_DEVELOPER	Members of the Mosaic BI Team who should be able to see all subject areas
XMLP_ANALYZER_ONLINE	
XMLP_TEMPLATE_DESIGNER	
BI_HR_MED	This role has access to Enterprise data including Employee specific informatic
XMLP_DEVELOPER	
BI_HR_LOW	This role has limited access to Enterprise data not related to Employees.
BI_HR_HIGH	This role has access to Enterprise data including Employee specific informatic
Hidden Objects Dummy group	
BI_HR_TL	Time and Labor subject area users
BI_SA_LOW	This role has limited access to Enterprise data related to Students.
BI_SA_MED	This role has access to Enterprise data including Student specific information
BI_SA_REC	This role has access to Student Recruiting specific information, including Rec
BI_SA_HIGH	Access to highly sensitive student data, i.e financial aid
BI_OBI_SELECT	This role has access to UAccess Roles and UAccess Usage subject areas
BI_SA_ADV	Access for Student Advisors to Advisor Notes
BI_AUDITOR	Group created specifically for the IT Audit
PROXY_USER_GROUPS	
BI_RA_HIGH	
BI_RA_MED	
BI_RA_LOW	
BI_Developers_Edit	Members of the Mosaic BI Team who can edit shared folders and dashboard:
BI_DEV_ADMIN	



Upgrading (authorization)

Settings for myrealm

Configuration **Users and Groups** Roles and Policies Credential Mappings Providers Migration

Users **Groups**

This page displays information about each group that has been configured in this security realm.

[Customize this table](#)

Groups

Showing 1 to 10 of 32 Previous | Next

<input type="checkbox"/>	Name	Description	Provider
<input type="checkbox"/>	AdminChannelUsers	AdminChannelUsers can access the admin channel.	DefaultAuthenticator
<input type="checkbox"/>	Administrators	Administrators can view and modify all resource attributes and start and stop servers.	DefaultAuthenticator
<input type="checkbox"/>	AppTesters	AppTesters group.	DefaultAuthenticator
<input type="checkbox"/>	BIAdministrators	BI Administrators Group	DefaultAuthenticator
<input type="checkbox"/>	BIAuthors	BI Authors Group	DefaultAuthenticator
<input type="checkbox"/>	BIConsumers	BI Consumers Group	DefaultAuthenticator
<input type="checkbox"/>	BI_AUDITOR	Group created specifically for the IT Audit	DefaultAuthenticator
<input type="checkbox"/>	BI_DEVELOPER		DefaultAuthenticator
<input type="checkbox"/>	BI_Developers	Members of the Mosaic BI Team who should be able to see all subject areas	DefaultAuthenticator
<input type="checkbox"/>	BI_Developers_Edit		DefaultAuthenticator

Showing 1 to 10 of 32 Previous | Next



Upgrading (authorization)

coreapplication ⓘ Logged in as weblo

Business Intelligence Instance ▼ Page Refreshed Mar 27, 2011 7:54:47 PM MST

Application Roles Related Links ▼

Application roles are the roles used by security aware applications that are specific to the application. These roles are seeded by applications in WebLogic Domain policy store when the applications are registered. These are also application roles that are created in the context of end users accessing the application.

To manage users and groups in the WebLogic Domain, use the [Oracle WebLogic Server Security Provider](#).

Policy Store Provider

Search

Enter search keyword for role name to query roles defined by this application. Use application stripe to search if application uses a stripe that is different from application name.

Select Application Stripe to Search obi

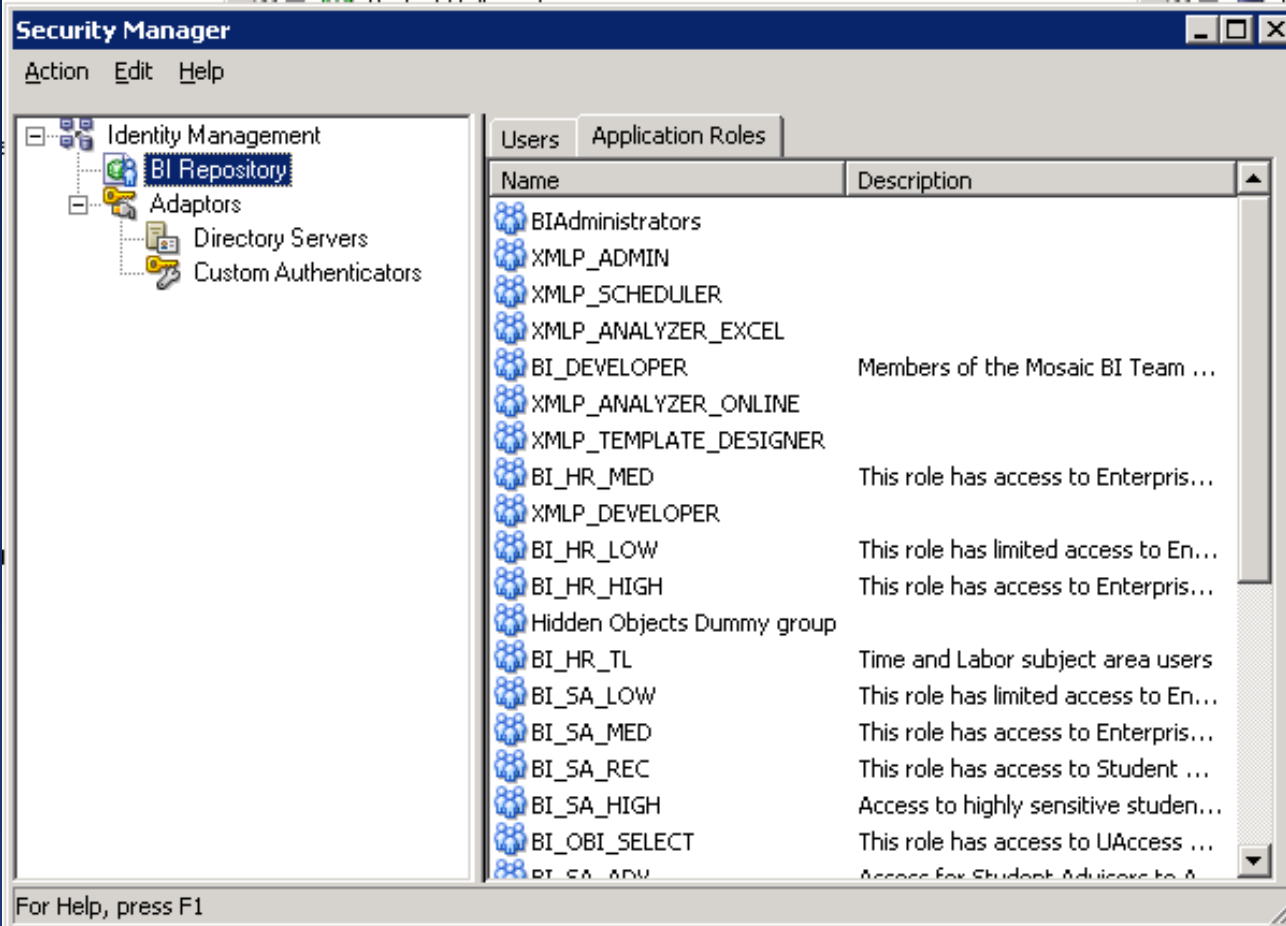
Role Name

Create... Create Like... Edit... Delete...

Role Name	Members	Description
BISystem	BISystemUser	
BIAdministrator	BIAdministrators	
BIAuthor	BIAuthors, BIAdministrator	
BIConsumer	BIConsumers, BIAuthor, authenticated-role	
BI_SA_MED	BI_SA_MED	This role has access to Enterprise data including
XMLP_ADMIN	XMLP_ADMIN	
BI_HR_TL	BI_HR_TL	Time and Labor subject area users
XMLP_ANALYZER_ONLINE	XMLP_ANALYZER_ONLINE	
BI_HR_HIGH	BI_HR_HIGH	This role has access to Enterprise data including
BI_HR_LOW	BI_HR_LOW	This role has limited access to Enterprise data nc
BI_Developers	BI_Developers	Members of the Mosaic BI Team who should be e
BI_AUDITOR	BI_AUDITOR	Group created specifically for the IT Audit
Hidden Objects Dummy group	Hidden Objects Dummy group	



Upgrading (authorization)



The screenshot shows the Security Manager application window. The left pane displays a tree view under 'Identity Management' with 'BI Repository' selected. The right pane shows the 'Users' tab with a list of roles and their descriptions.

Name	Description
BIAdministrators	
XMLP_ADMIN	
XMLP_SCHEDULER	
XMLP_ANALYZER_EXCEL	
BI_DEVELOPER	Members of the Mosaic BI Team ...
XMLP_ANALYZER_ONLINE	
XMLP_TEMPLATE_DESIGNER	
BI_HR_MED	This role has access to Enterpris...
XMLP_DEVELOPER	
BI_HR_LOW	This role has limited access to En...
BI_HR_HIGH	This role has access to Enterpris...
Hidden Objects Dummy group	
BI_HR_TL	Time and Labor subject area users
BI_SA_LOW	This role has limited access to En...
BI_SA_MED	This role has access to Enterpris...
BI_SA_REC	This role has access to Student ...
BI_SA_HIGH	Access to highly sensitive studen...
BI_OBI_SELECT	This role has access to UAccess ...
BI_SA_ADV	Access for Student Advisors to A...



Upgrading (authorization)

Add Group

This screen allows you to add a new group, as well as control who belongs to the group.

Catalog Group Name *

Group Membership
The table below contains a list of the current members of this group. Members can be added from the available list or removed from the selected list.

Available Members

Name

List

Accounts
BSystem
BIAdministrator
BIAuthor
BIConsumer
BI_SA_MED
XMLP_ADMIN
BI_HR_TL
XMLP_ANALYZER_ONLINE

Move
 Move All
 Remove
 Remove All

Selected Members

Accounts



Upgrading (authorization)

- Take a deep breath and remember the Upgrade Assistant sets all this up for you based on your 10g configuration
- Why is 11g's authorization a good thing?
 - Extra layer of abstraction helpful with LDAP Auth-z
 - Application roles are much more fine-grained allowing delegation of:
 - Impersonation
 - Catalog administration
 - Much more...



Quick Questions?

Don't blink



You'll miss it

Hardware Requirements and Clustering



Overview (hardware and clustering)

- Oracle's 10g recommendation
- U of A 10g environments
- Oracle's 11g recommendation
- U of A 11g environments



Hardware and Clustering (Oracle's 10g)

Hardware Requirements for Oracle Business Intelligence Platform

Hardware requirements for Oracle Business Intelligence platform components are described in [Table 1](#) and in [Table 2](#) on page 11.

Table 1. Minimum Requirements for Oracle Business Intelligence on Windows

Description	Requirement
Oracle Business Intelligence Server components:	CPU and RAM: 1 GHz, 2 GB RAM
Oracle Business Intelligence Server	Disk Space: 2 GB of hard disk space, plus appropriate disk space for cache storage and Scheduler results sets (see Temporary Disk Space).
Oracle Business Intelligence Administration Tool	
Oracle Business Intelligence Scheduler	Temporary Disk Space: 2 GB
Oracle Business Intelligence Presentation Services	CPU and RAM: 1 GHz, 2 GB RAM
	Disk Space: 2 GB of hard disk space, plus appropriate disk space for cache storage and log files (see Temporary Disk Space).
	Temporary Disk Space: 2 GB

http://download.oracle.com/docs/cd/B40078_02/doc/bi.1013/b32508.pdf



Hardware and Clustering (U of AZ's 10g)

- 2x Dell R610 each with:
 - 2x Intel Xeon X5550 @ 2.67GHz
 - 48GB RAM
 - 65GB Local Disk Used
 - 2GB Shared Disk Used
 - Red Hat Enterprise Linux 5.3



Hardware and Clustering (Oracle's 11g)

2.7 Oracle Business Intelligence Requirements

This section contains important information for the system on which you are installing Oracle Business Intelligence and the database containing the schemas.

2.7.1 Installation System Requirements

Below are the recommended hardware and system configuration requirements for an Oracle Business Intelligence installation on Linux and 32-bit Windows operating systems:

- Disk Space: 20GB or more
- Available Memory: 4GB or more
- Temp Space: 950MB or more
- Swap Space: 3GB or more
- CPU: dual-core Pentium, 1.5GHz or greater

http://download.oracle.com/docs/html/E18558_01/fusion_requirements.htm

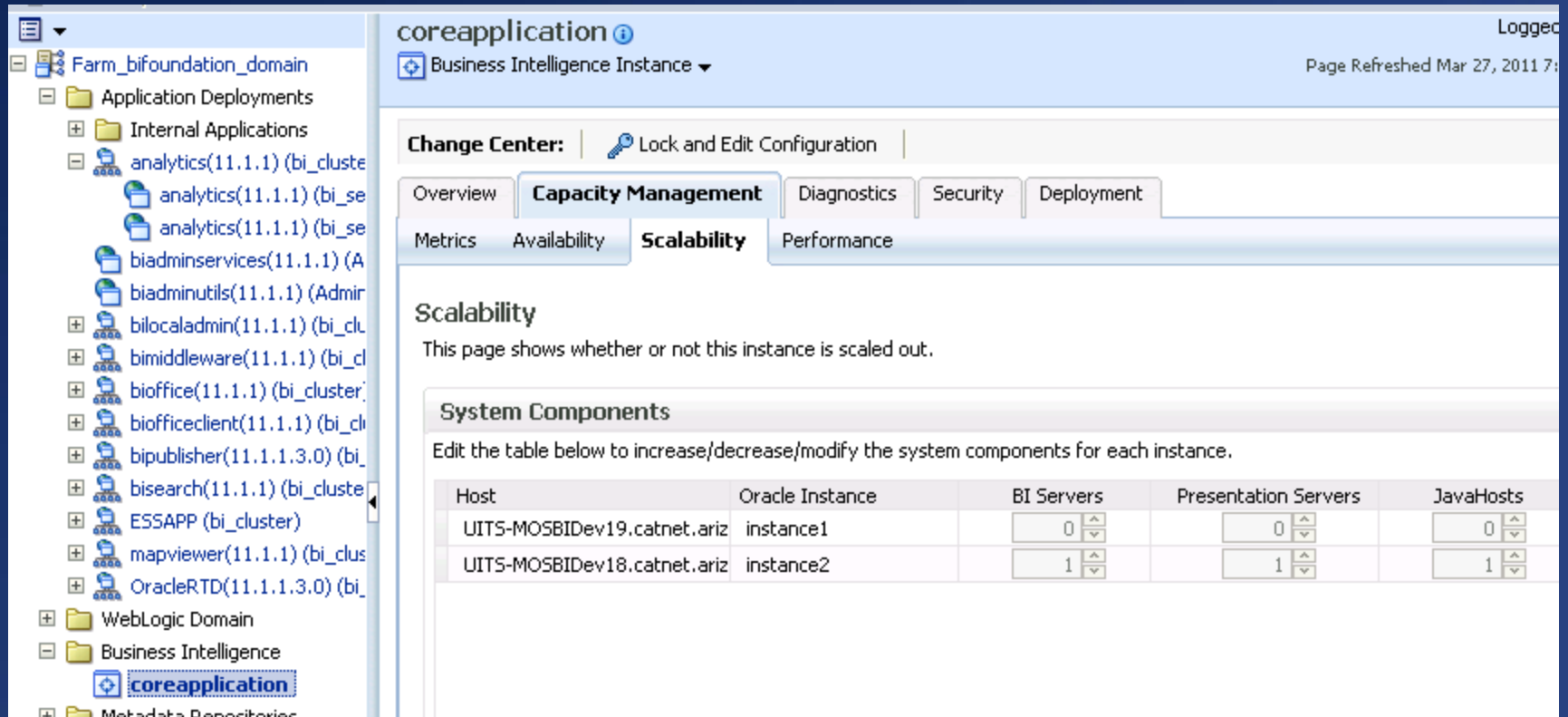


Hardware and Clustering (U of AZ's 11g)

- Main Test Cluster
- 2x Virtual Machines on VMWare ESX each with:
 - 1x Intel Xeon X5550 @ 2.67GHz
 - 3GB RAM (Below recommended)
 - 20GB Local Disk Used
 - 2GB Shared Disk Used
 - Windows XP



Hardware and Clustering (11g)



The screenshot displays the Oracle Enterprise Manager interface for a Business Intelligence Instance named 'coreapplication'. The left-hand navigation pane shows a tree structure under 'Farm_bifoundation_domain', including 'Application Deployments', 'Internal Applications', and various application components like 'analytics(11.1.1)', 'biadminservices(11.1.1)', 'bilocaladmin(11.1.1)', 'bimiddleware(11.1.1)', 'bioffice(11.1.1)', 'biofficeclient(11.1.1)', 'bipublisher(11.1.1.3.0)', 'bisearch(11.1.1)', 'ESSAPP', 'mapviewer(11.1.1)', and 'OracleRTD(11.1.1.3.0)'. The main content area is titled 'coreapplication' and shows the 'Business Intelligence Instance' configuration. The 'Change Center' includes a 'Lock and Edit Configuration' link. The 'Capacity Management' tab is active, with sub-tabs for 'Overview', 'Diagnostics', 'Security', and 'Deployment'. Under 'Capacity Management', the 'Scalability' sub-tab is selected. The 'Scalability' section contains the text: 'This page shows whether or not this instance is scaled out.' Below this is the 'System Components' section, which includes the instruction: 'Edit the table below to increase/decrease/modify the system components for each instance.' The table lists two instances with their respective system components:

Host	Oracle Instance	BI Servers	Presentation Servers	JavaHosts
UITS-MOSBIDev19.catnet.ariz	instance1	0	0	0
UITS-MOSBIDev18.catnet.ariz	instance2	1	1	1



Quick Questions?

Don't blink



You'll miss it



User Experience and Training



Overview (user experience and training)



- Re-training customers
- Terminology changes
- User interface changes
- Graphs
- KPIs and Scorecards

Overview (user experience and training)



- Re-training customers
- Terminology changes
- User interface changes
- Graphs
- KPIs and Scorecards

User Experience and Training (re-training)

- U of AZ has 1,500 users each month
- Most have attended training online or in person
- Terminology and User Interface changes not so difficult to manage, except in Analysis creation...
- ... and all U of AZ users can create their own Analyses



Overview (user experience and training)



- Re-training customers
- Terminology changes
- User interface changes
- Graphs
- KPIs and Scorecards

User Experience and Training (terminology)

- Request or Report = Analysis
- Delivers or iBot = Agent
- Chart = Graph



Overview (user experience and training)



- Re-training customers
- Terminology changes
- **User interface changes**
- Graphs
- KPIs and Scorecards

User Experience and Training (user interface)

- Home page is very different
- Edit Dashboards page is very different
- Edit Analysis page is very different
- ...
- Ok most of the pages are very different



User Experience and Training (user interface)

The screenshot shows the UAccess ANALYTICS dashboard. At the top, there is a navigation bar with the following items: My Dashboard, Auditor, BI_Team, Colleges, Departments, Employee, MyBI, Research, Stats, Student, and Toolkit. The main header area contains the text "UAccess ANALYTICS" and "My Dashboard". A welcome message reads "Welcome, Douglas Hester!". To the right of the welcome message are navigation links: Alerts! (with a red triangle icon), Dashboards, Answers, More Products (with a dropdown arrow), Settings (with a dropdown arrow), and Log Out. Below the navigation bar, there are four tabs: page1, MyBI, Survey, and Hierarchy. A "Page Options" dropdown menu is located on the right side of this tab bar. The main content area is titled "Alerts!" and contains a list of seven alerts, each with a yellow warning icon: "Daily long running query activity", "Daily Most Costly Queries report", "Daily EPM Individual Account Expiration Warning", "Daily EPM Department Account Expiration Warning", "Alert: NetID count for employees lower than threshold", "EPM Access with activity in last 90 days", and "Test Daily EPM Individual Account Exp...". Below the list is an "XML" link. At the bottom left of the dashboard, there are two icons: a refresh icon and a print icon. At the bottom right, there is a footer that says "powered by BI Team" with a logo.



User Experience and Training (user interface)

The screenshot displays the Oracle Business Intelligence user interface. At the top, the Oracle logo and 'Business Intelligence' text are on the left, and a search bar with 'All' and navigation links for 'Advanced', 'Administration', 'Help', and 'Sign Out' are on the right. Below this is a 'Home' navigation bar with links for 'Home', 'Catalog', 'Dashboards', 'New', 'Open', and 'Signed In As Doug Hester'. The main content area is divided into several sections: 'Create...' with links for 'Analysis and Interactive Reporting', 'Published Reporting', 'Actionable Intelligence', 'Performance Management', and 'Marketing'; 'Browse/Manage...' with a list of content categories like 'All Content', 'My Analyses', and 'My Reports'; 'Get Started...' with links for 'Introduction to Oracle BI' and 'Oracle BIEE Documentation'; 'Recent Dashboards' showing 'Usage - Past Usage', 'Usage - Usage', and 'Usage - Average Times'; 'Others' with 'Usage by Month'; and 'Most Popular' with a message: 'No recommendations are currently available. Most Popular items will be displayed here when results become available.'




User Experience and Training (user interface)

ORACLE Interactive Dashboards My Dashboard

My Dashboard Welcome, administrator! Dashboards - Answers - More Products - Settings - Log Out

Page Options

NetID Last Name First Name End Date 03/25/2011 12:00

 **View Display Error**

Odbc driver returned an error (SQLExecDirectW).


[Error Details](#)

Error Codes: OPR40MWY:U9IM8TAC:OI2DL65P

State: HY000. Code: 10058. [NQODBC] [SQL_STATE: HY000] [nQSError: 10058] A general error has occurred. [nQSError: 23006] The session variable, NQ_SESSION.EmplIDs, has no value definition. (HY000)

SQL Issued: SELECT Users.NetID saw_0, Users."First Name" saw_1, Users."Last Name" saw_2 FROM "UAccess - Usage" WHERE ("End Date" = timestamp '2011-03-25 00:00:00') AND (Users.NetID = VALUEOF(NQ_SESSION."EmplIDs")) ORDER BY saw_2, saw_1, saw_0

[Refresh](#)

 **View Display Error**

Odbc driver returned an error (SQLExecDirectW).

[Error Details](#)

[Refresh](#)



User Experience and Training (user interface)

ORACLE Business Intelligence Search [Advanced](#) | [Administration](#) | [Help](#) | [Sign Out](#)

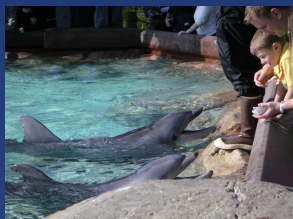
Usage [Home](#) | [Catalog](#) | [Dashboards](#) | [New](#) | [Open](#) | Signed In As **weblogic**

Usage **Individual** | [Past Usage](#) | [Adoption](#) | [Life Cycle](#) | [Average Times](#) | **Errors** | [Costly Queries](#) | [Caching](#) | [Not Caching](#) | [Query L](#)

NetID **Last Name** **First Name** **End Date** [Apply](#) [Reset](#)

Error
View Display Error
Error generating view. Error getting cursor in GenerateHead
[Error Details](#)
Error Codes: OAMP2OPY:ACIOA5LN
Assertion failure: nExprs >= 2 at line 666 of C:\ADE\aime_bi\bifndn\analytics_web\main\project\webreport\filterexprsqlvisitor.cpp
[Refresh](#)

Error
View Display Error
Error generating view. Error getting cursor in GenerateHead
[Error Details](#)
Error Codes: OAMP2OPY:ACIOA5LN
Assertion failure: nExprs >= 2 at line 666 of C:\ADE\aime_bi\bifndn\analytics_web\main\project\webreport\filterexprsqlvisitor.cpp
[Refresh](#)



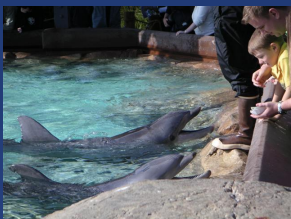
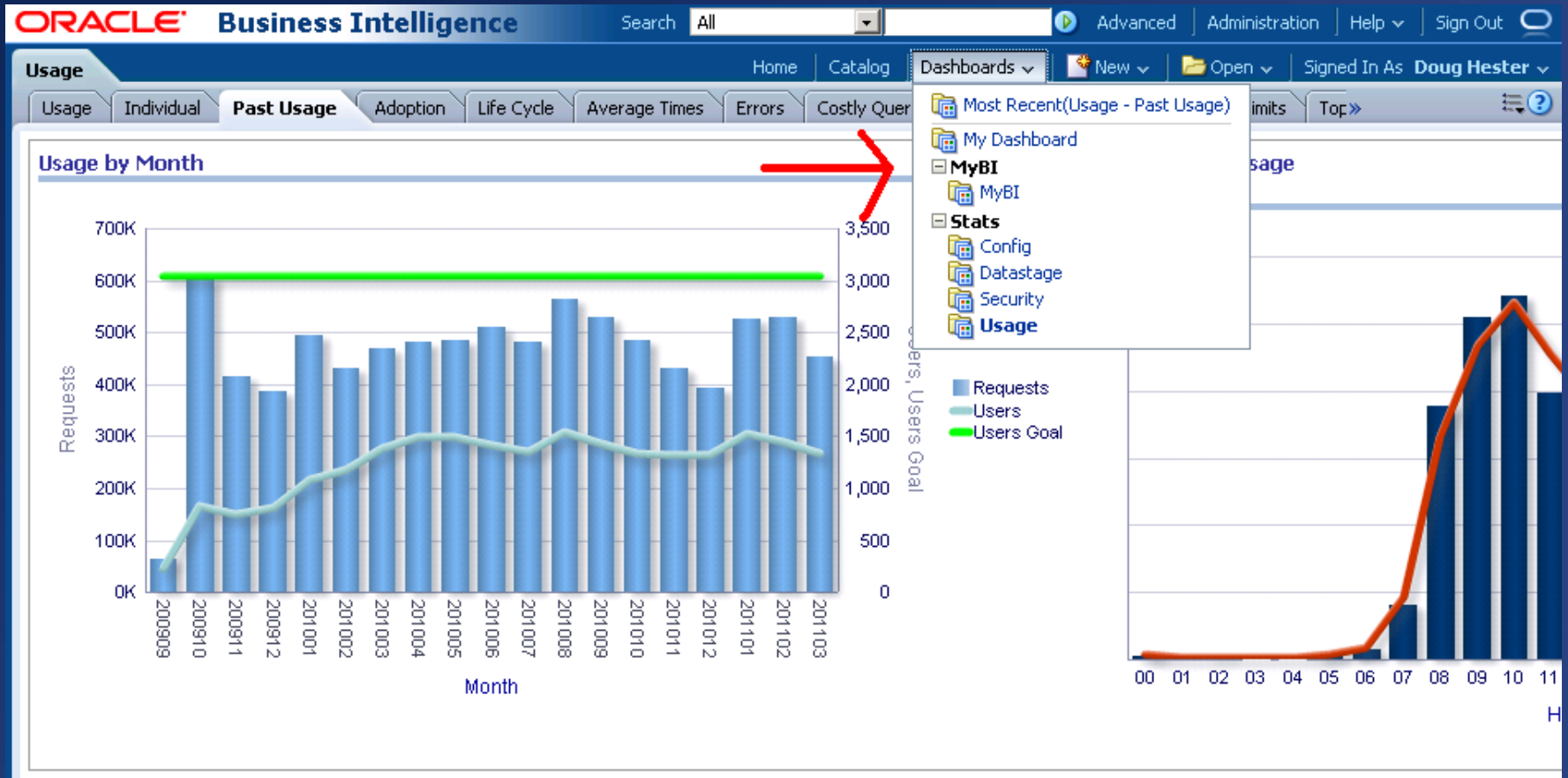
User Experience and Training (user interface)

Brrringg – Text message received 3/28/2011

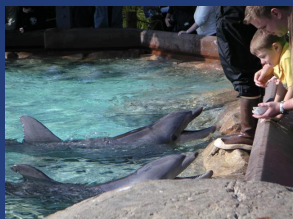
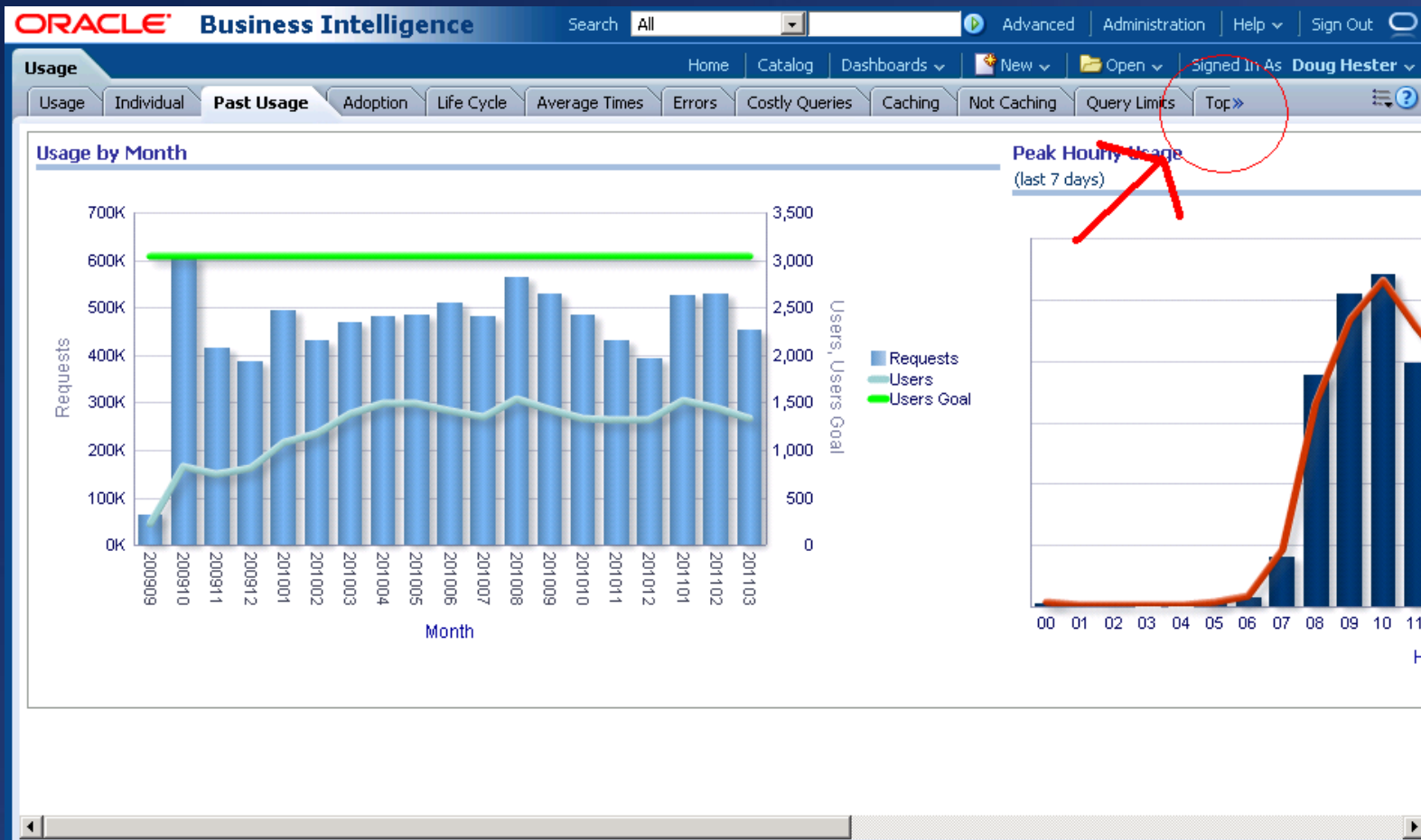
Please, no more 10g screen shots



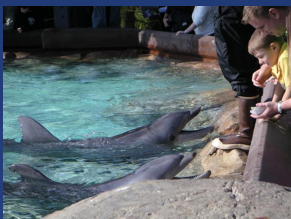
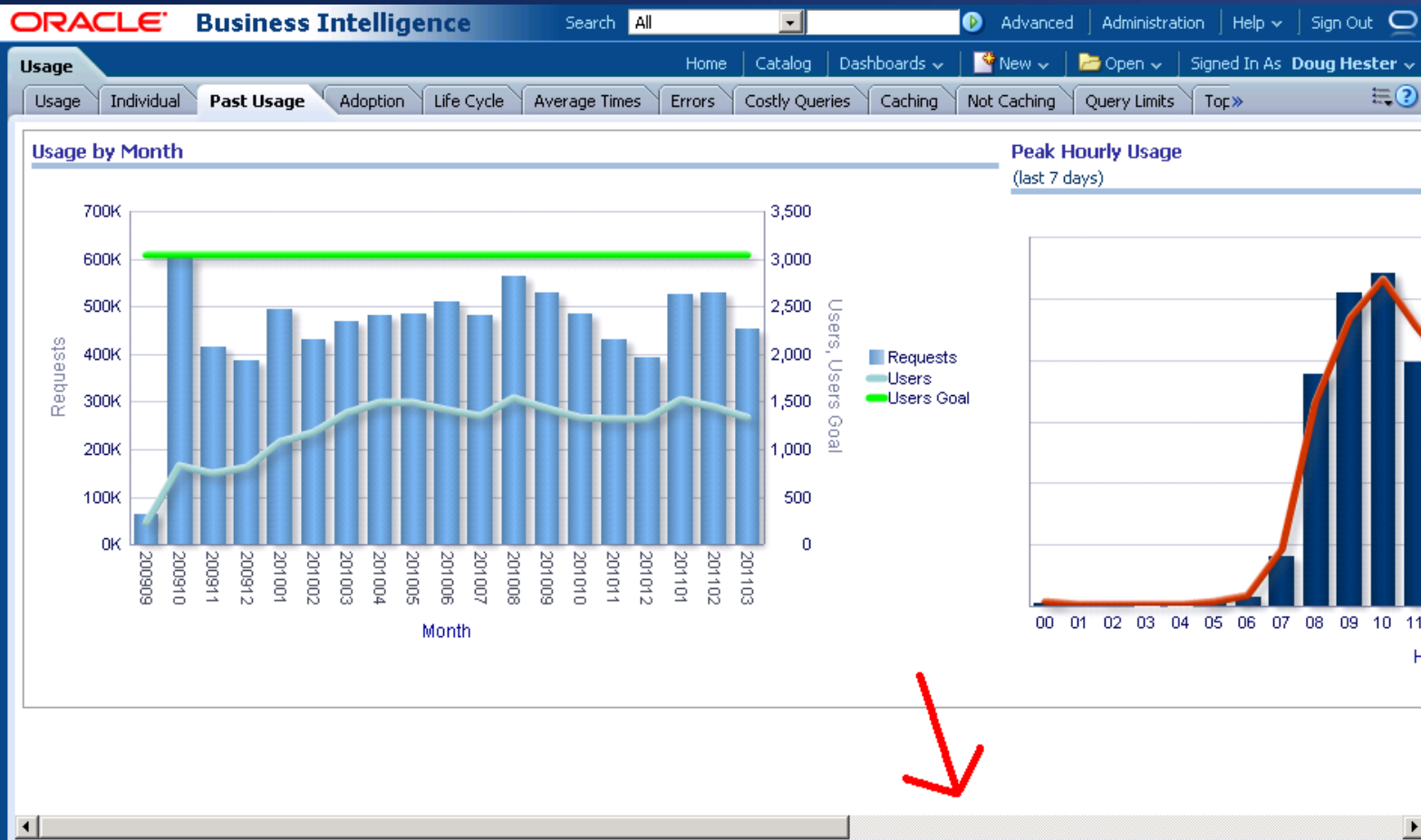
User Experience and Training (user interface)



User Experience and Training (user interface)

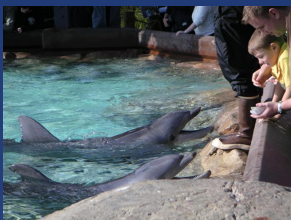


User Experience and Training (user interface)



User Experience and Training (user interface)

The screenshot displays the Oracle Business Intelligence user interface. At the top, the Oracle logo and 'Business Intelligence' text are visible. A search bar contains the word 'All'. Navigation links include 'Advanced', 'Administration', 'Help', and 'Sign Out'. The user is signed in as 'Doug Hester'. The main navigation bar includes 'Usage', 'Individual', 'Past Usage', 'Adoption', 'Life Cycle', 'Average Times', 'Errors', 'Costly Queries', and 'Caching'. The 'Usage' section is active, showing a toolbar with 'New', 'Open', 'Preview', and 'Run' buttons. On the left, a 'Dashboard Objects' sidebar lists various components like Column, Section, Alert Section, Action Link, and Folder. The main workspace is divided into two columns: 'Column 1' and 'Column 2'. 'Column 1' contains 'Section 1' with two compound views: 'Usage by Month' and 'Peak Hourly Usage in Last x D.'. 'Column 2' contains 'Section 2' with a 'Last x days prompt'.

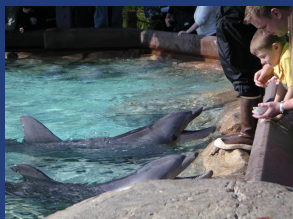


User Experience and Training (user interface)

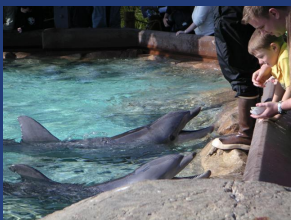
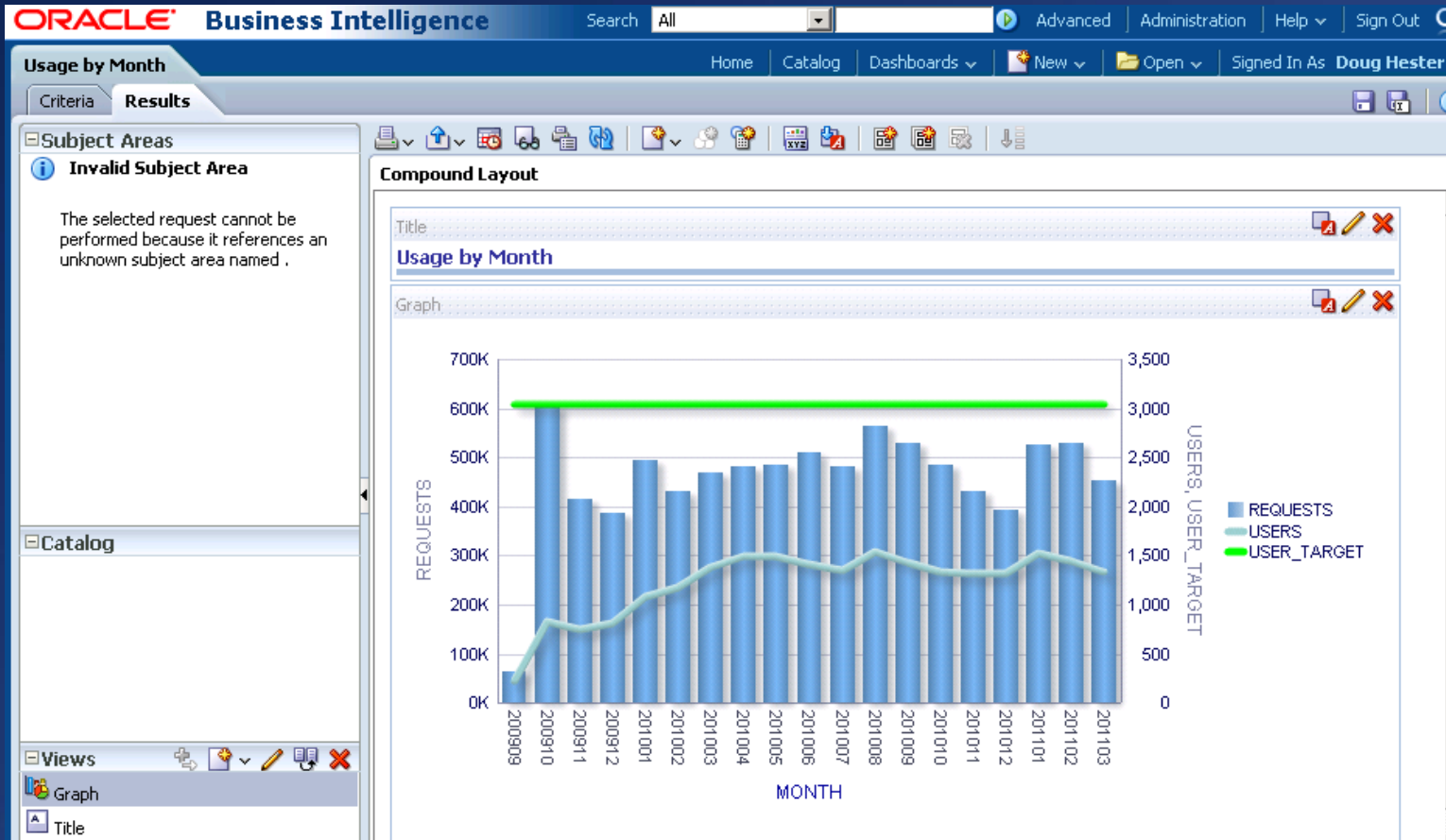
The screenshot displays the Oracle Business Intelligence user interface. At the top, the Oracle logo and 'Business Intelligence' text are visible, along with a search bar and navigation links for 'Advanced', 'Administration', 'Help', and 'Sign Out'. Below this, the 'Users in Role' section is active, showing a breadcrumb trail: 'Home > Catalog > Dashboards > New > Open > Signed In As Doug Hester'. The main interface is divided into several panes:

- Criteria:** Includes tabs for 'Criteria', 'Results', 'Prompts', and 'Advanced'.
- Subject Areas:** A tree view on the left showing a hierarchy: 'UAccess - Roles' (expanded) containing 'Roles', 'Subject Areas', 'Tables', and 'Users'.
- Selected Columns:** A central pane with instructions: 'Double click on column names in the Subject Areas pane to add them to the analysis. Once added, drag-and-drop columns to reorder them. Edit filters, apply sorting, or delete by clicking or hovering over the button next to its name.' Below the instructions is a table of selected columns:

Users	Department	Users
1 Last	2 First	NetID
College Name	Department Name	Department
Status	Typ	
- Filters:** A pane at the bottom with instructions: 'Add filters to the analysis criteria by clicking on Filter option for the specific column in the Selected Columns pane, or by clicking on the filter button in the Filter pane header. Add a saved filter by clicking on add button after selecting its name in the catalog pane.' Below the instructions is a list of filters:
 - Role is prompted
 - AND Department Name is prompted
 - AND Last is prompted
 - AND NetID is prompted
 - AND Status is prompted
 - AND Department is prompted
 - AND College Name is prompted
- Catalog:** A pane at the bottom left with a 'List' dropdown set to 'All' and a 'Shared Folders' folder icon.

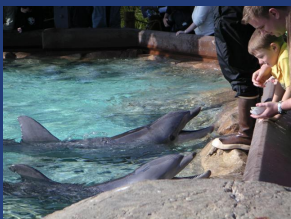


User Experience and Training (user interface)



User Experience and Training (user interface)

The screenshot displays the Oracle Business Intelligence user interface. At the top, the Oracle logo and 'Business Intelligence' text are visible. The main area is titled 'Usage by Month' and has two tabs: 'Criteria' and 'Results'. A 'Graph' toolbar is present, and a 'Subject Areas' panel on the left shows an 'Invalid Subject Area' error message: 'The selected request cannot be performed because of unknown subject area'. A 'Confirm' dialog box is overlaid on the screen, asking: 'Are you sure you want to navigate away from this page? The changes that you made to this object have not been saved. Click Cancel to return to the editor where you can save the object. Press OK to continue, or Cancel to stay on the current page.' The dialog has 'OK' and 'Cancel' buttons. Below the dialog, the 'Layout' section shows a 'Line-Bar Graph' configuration with 'Measures' set to 'Requests' and 'Group By' set to 'Month'. A 'Catalog' panel is visible at the bottom left.



Overview (user experience and training)



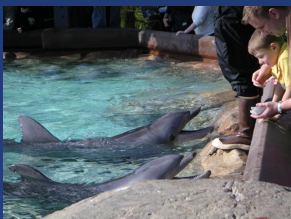
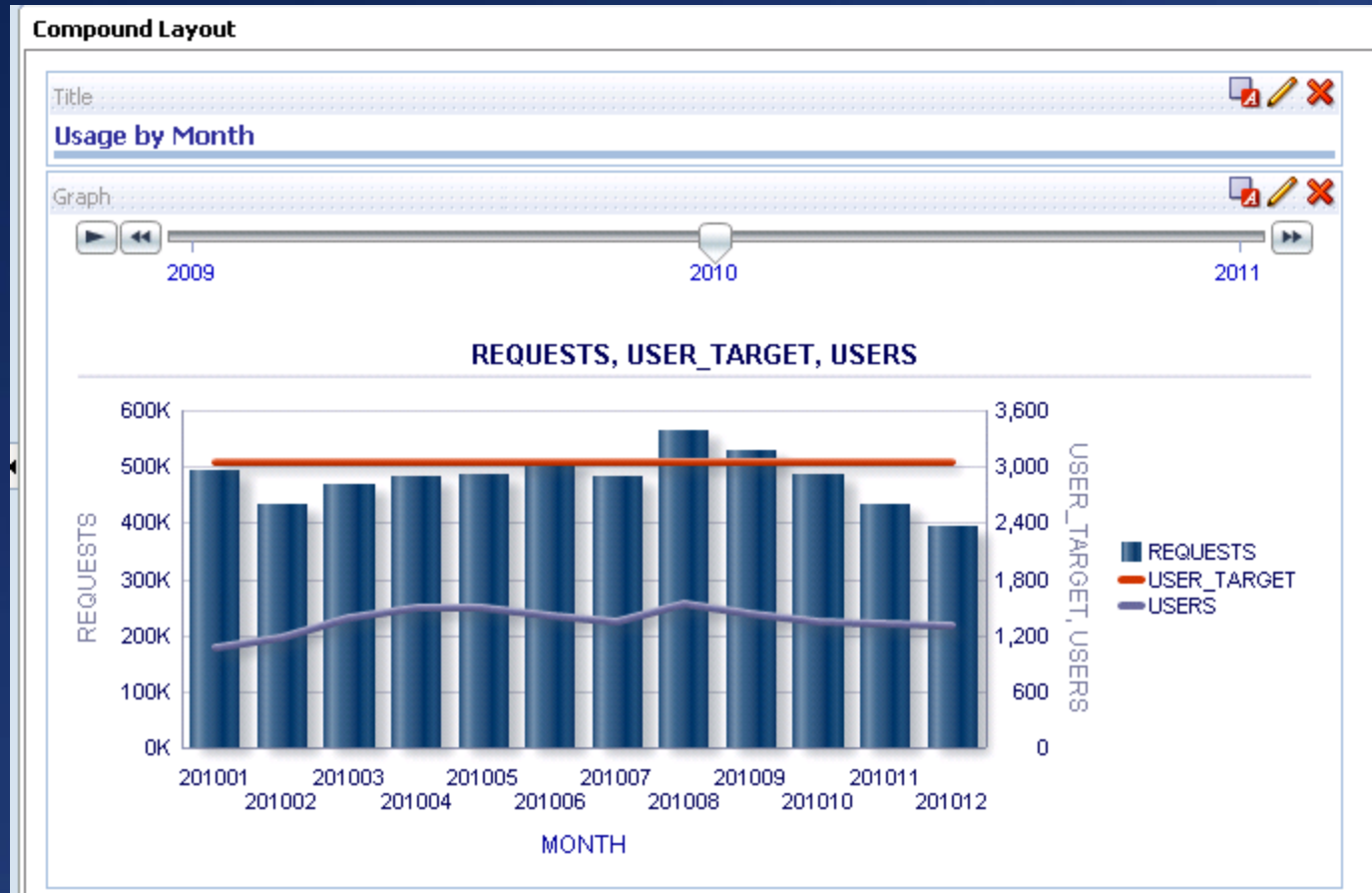
- Re-training customers
- Terminology changes
- User interface changes
- **Graphs**
- KPIs and Scorecards

User Experience and Training (graphs)

- Maps (requires license for map data)
- Chart slider (on any column, not just time)
- Master-Detail linking



User Experience and Training (graphs)



Overview (user experience and training)



- Re-training customers
- Terminology changes
- User interface changes
- Graphs
- **KPIs and Scorecards**

User Experience and Training (kpi/scorecards)

- KPI
- Objective
- Scorecard
- Objective hierarchy

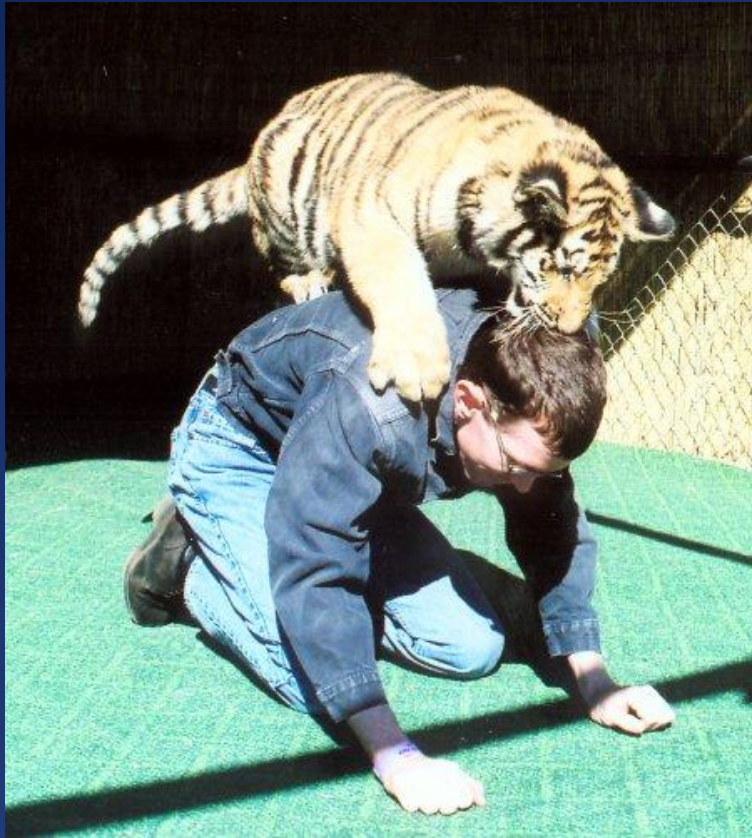


Impending Changes in 11.1.1.4

- Bug Fixes
 - narrative views in html format
 - occasional usage logging errors due to string in blob type
 - setting Roles using row-wise in session init block
 - fix for occasional cacheduserinfo errors preventing authentication
- New features
 - ipad/iphone mobile delivery
 - customize prompt field size/layout
 - freeze column headings in results
 - support for excel 2010
- Last rumor I've heard was in late Feb 2011, "next several months"



Questions?



What's the matter, cat got your tongue?

Contact

- Doug Hester
 - Systems Administrator, Business Intelligence
 - University of Arizona
 - E-mail: *dhester@email.arizona.edu*



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Alliance 2011 presentations
are available for download
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Presentations from previous meetings are also available

