

OBIEE 11g Upgrade

Lessons Learned – Expect the Unexpected

September 14, 2012

Robert Rolek | Managing Consultant
ROLTA Business Intelligence



OBIEE – Upgrade to 11g Lessons Learned

- Project Management
- Security
- Code Conversion
- Bugs
- Mobile Support
- Non OBIEE Technical Issues

- What do we want to **Start? Stop? Continue?**

OBIEE – Upgrade to 11g Lessons Learned

- Business Intelligence Foundation Suite / OBIEE 11g
 - The most substantial update since Siebel acquisition
- Stable at 11.1.1.6
 - Refreshed/Enhanced UI
 - Enhanced Essbase connectivity
 - Required for next-gen iOS mobile apps
- Time to Upgrade



PROJECT MANAGEMENT LESSONS

Project Management Lessons

- Project **resource** turnover caused many QA Test Cases to be created by developers. Testing not focused on most important pages
- **Start** requiring expert testers, targeting most important dashboard areas
- Include client involvement in QA testing: could have saved time
- Fixed some rarely used pages

Project Management Lessons

- DBA / IT resources needed
- **Continue** to line up IT Support/DBA resources ahead of time as part of project

Project Management Lessons

- **Browser** issues / versions inconsistent between test machines and user machines
 - **Start** testing with exact version of browser
 - Including settings
 - Flash version
 - Remote Desktop into client machine if necessary to have exact web filters, browser version, settings
 - IE is not IE is not IE (is not Firefox or Chrome either)
 - Oracle Certification Matrix misinterpreted

Project Management Lessons

Oracle Business Intelligence Suite Enterprise Ed (11.1.1.x) Certification Matrix Client Certification		
Installation Type	Version Supported	Supported Browsers
ALL	11gR1 (11.1.1.3+)	Internet Explorer 7.x Internet Explorer 8.x Firefox 3.5+
ALL	11gR1 (11.1.1.5+)	Safari 4.x Safari 5.x
ALL	11gR1 (11.1.1.6+)	Chrome 12+ Internet Explorer 9.x Firefox 6+

Project Management Lessons

- Upgrade testing invites **scope** creep
- All pages re-examined, promoting new ideas
- **Stop** development of new content
- Qualify feedback as:
 - Issues?
 - Bugs?
 - Enhancements?

Project Management Lessons

The screenshot displays the ROLTA Issuesys web application. At the top, there is a navigation bar with 'Dashboards', 'Projects', and 'Issues' menus. The user 'Robert Role' is logged in. The main heading is 'ROLTA Issuesys' and the current view is 'Issue Navigator — My Issues'. A sidebar on the left contains a filter for 'My APCO Issues' and options to edit, new, or manage filters. The main content area shows a table of 20 issues, with the first row highlighted. The table columns include Key, Summary, Assignee, Reporter, P (Priority), Status, Resolution, Created, Updated, and Due.

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
	253	Filter View Has Ugly Display of Server Variable Value	Robert Rolek	Robert Rolek	↓	Open	Unresolved	02/Jul/12	15/Aug/12	06/Jul/12
	252	Update Case Count and Detail Reports to filter on Duration	Robert Rolek	Robert Rolek	↓	Resolved	Fixed	28/Jun/12	18/Jul/12	06/Jul/12
	251	PDF links on Budget / Budget Support Information do not appear in all browsers	Robert Rolek	Robert Rolek	↓	Resolved	Fixed	25/Jun/12	02/Jul/12	
	250	Add Major Customer Impacted column	Robert Rolek	Robert Rolek	↓	Resolved	Fixed	25/Jun/12	18/Jul/12	29/Jun/12
	248	Target image and APCO Banner image not displaying	Robert Rolek	Robert Rolek	↓	Resolved	Fixed	19/Jun/12	20/Jun/12	
	247	Worst Performing Failure Codes by Substation displays Failure Code 70, drill shows no detail	Robert Rolek	Robert Rolek	↓	Resolved	Fixed	19/Jun/12	26/Jun/12	22/Jun/12
	245	SQL Error on Budget-->Budget Support Info-->Resource Type Reference Guide	Robert Rolek	Robert Rolek	↑	Resolved	Fixed	02/May/12	25/Jun/12	04/May/12
	242	Verify page Maintenance --> Transview (need login)	Robert Rolek	Robert Rolek	↑	Resolved	Fixed	02/May/12	20/Jun/12	11/May/12
	241	Test Budget-->Budgets: Executive View Tab (need login)	Robert Rolek	Robert Rolek	↑	Resolved	Fixed	02/May/12	15/Aug/12	
	240	Verify Standard that Pivot Tables display 25 rows	Robert Rolek	Robert Rolek	↓	Resolved	Fixed	02/May/12	15/Jun/12	

Project Management Lessons

- **Continue** using an Issue Tracking System
 - We used Jira
- **Stop** building new enhancements
- **Continue** to capture development requests as enhancements during the upgrade
- (but keep an eye for low hanging fruit to buy time, good will, if needed)

Project Management Lessons

- Debugging configuration requires restarts which take the dashboard offline
- People can't test when the dashboard is offline
- **Continue** to leverage cloud computing... quickly spin up OBIEE instance with SampleAppLite for debugging, SR's, testing RPD and Web Catalog in parallel with dashboard testing



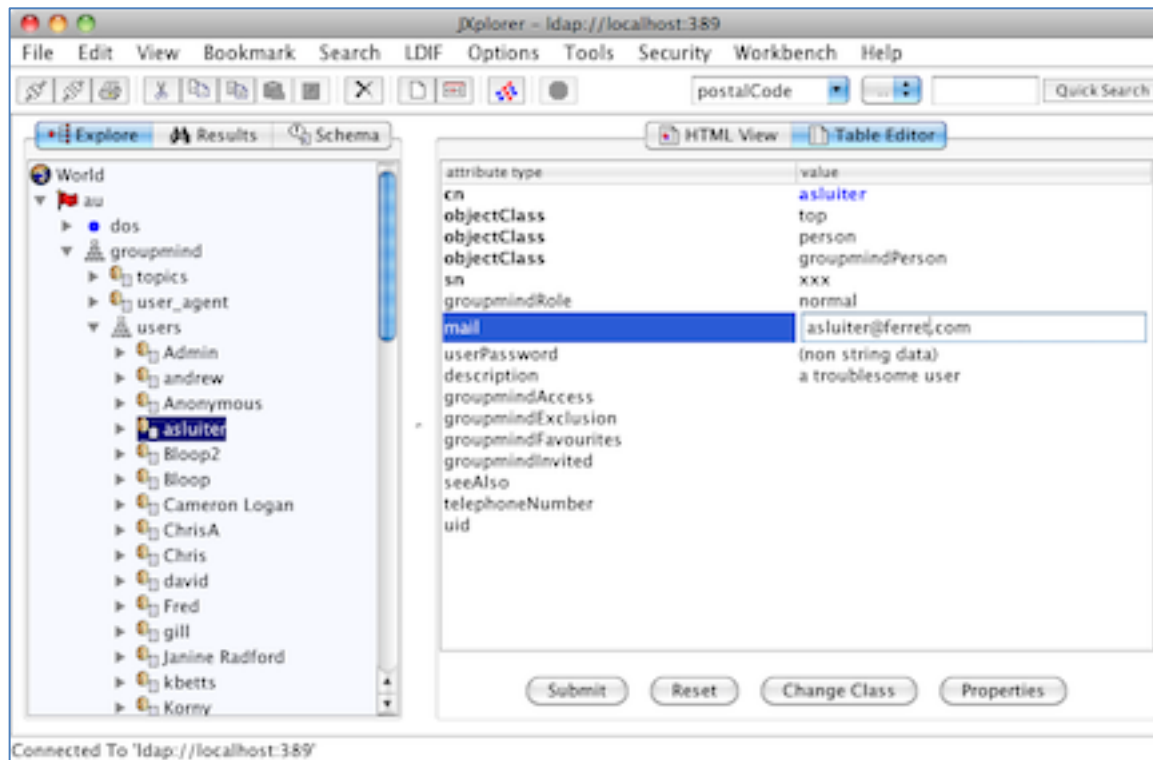
SECURITY LESSONS

Security Lessons

- Big changes in 11g: security moved from RPD to WebLogic
- Microsoft ActiveDirectory Authentication setup in WebLogic is hard to debug
- Employees and contractors separated in tree
- 10g Presentation Catalog Groups are not AD groups, even if they have the same name
- AD Group retrieval code did not survive upgrade

Security Lessons

- **Continue** to use jxplorer open source utility to traverse Active Directory tree structure (jxplorer.org)



Security Lessons

- **Continue** to use jxplorer open source utility to traverse Active Directory tree structure (jxplorer.org)
 - Host: ldap.mydomain.com
 - Port: 389
 - Principal:
cn=ACLDATA,OU=service,OU=users,OU=Accounts,DC=mydomain,DC=com
 - User Base DN:
OU=users,OU=Accounts,DC=mydomain,DC=com
 - Search scope: subtree
 - User Name Attribute: sAMAccountName
 - User Object Class: user

Security Lessons

- **Start** to piggyback on other products on-site
- **Continue** to set (virtualize=true) for multiple Authentication Providers (weblogic/administrator user) In Enterprise Manger, expand *WebLogic Domain*. Right-click *bifoundation-domain* and select *Security*, then *Security Provider Configuration*

Security Provider Configuration > Oracle Identity Manager

Information
All changes made in this page require a server restart to take effect.

Identity Store Configuration
The User and Role API is automatically configured to use the first Oracle WebLogic Server authenticator and does not require any special of all types of LDAP-based identity store providers configure properties here for the factory instance and the store instance.

Use WebLogic Authentication Provider Configuration

Custom Properties + Add ✕ Delete...

Property Name	Value
CONNECTION_POOL_CLASS	oracle.securi
virtualize	true

Security Lessons

- **Start** going directly to AD to set group... no longer need a process to retrieve groups...
- Refresh GUID's to reset permissions before loading RPD and Web Catalog (use command line `opmnctl` to refresh GUID's)



CODE CONVERSION LESSONS

Code Conversion Lessons

- “The drills don’t work anymore”
- A popup menu with one item is displaying
- Misinterpreted as alt/hover text

Status	Year	Quarter	Month	Day		
Active	1970	1970 Q1	January	1/1/1900		
	1999	1999 Q4	October	10/5/1999		
	2001	2001 Q2	April	4/6/2001		
			August	8/28/2001		
	2002	2002 Q1	January	1/22/2002		
			Single Item Menu	5/2/2002		
			June	6/19/2002		
				6/25/2002		
			2002 Q3	August	8/6/2002	
					8/9/2002	
	2002	2002 Q4	December	12/31/2002		
			2003	2003 Q1	February	2/12/2003
					March	3/21/2003

Code Conversion Lessons

- **Continue** manually go into each link and check the checkbox to *not* display the menu if only one menu item.

Link Text	Action
One item menus don't drill automatically, unless you tell them to	Word

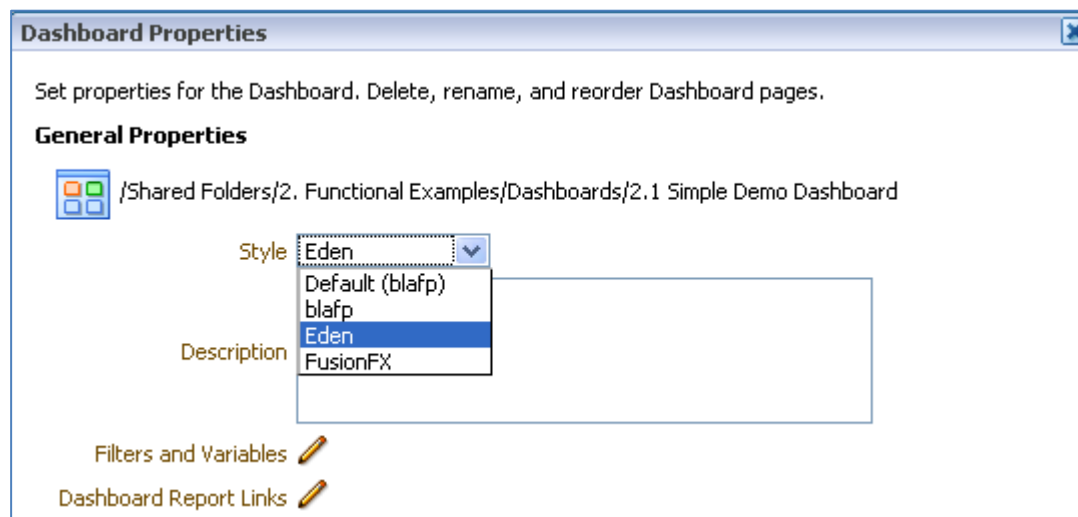
Do not display in a popup if only one action link is available at runtime

- **Start** to educate testers on the single-item menu
- **Start** researching how to set as default behavior

Code Conversion Lessons

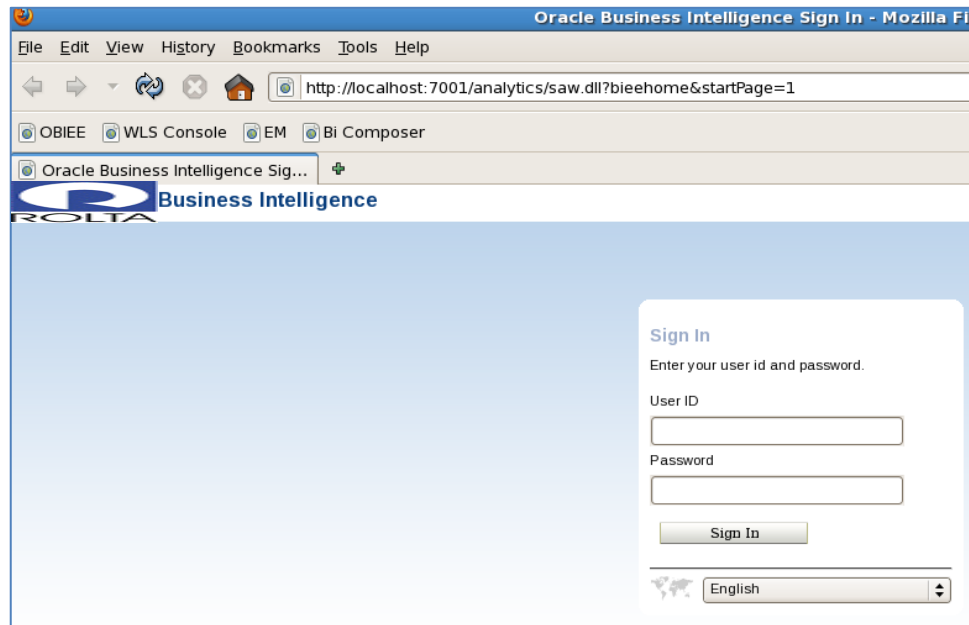
- After upgrade we saw the default Oracle logos, no custom images or styles
- **Continue** to follow white paper to apply Look-and-Feel customizations:

<http://www.oracle.com/technetwork/middleware/bi/customizing-oracle-biee-11g-176387.pdf>



Code Conversion Lessons

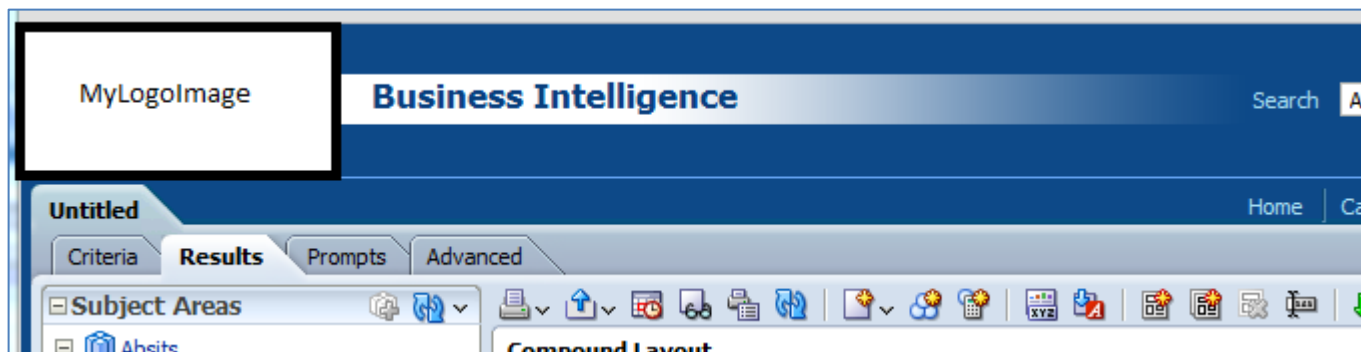
- Company logos were added, but login logo is “squished” to 25px tall



- Create smaller image 25px tall by 119 px wide

Code Conversion Lessons

- Banner logo updated, but banner too small



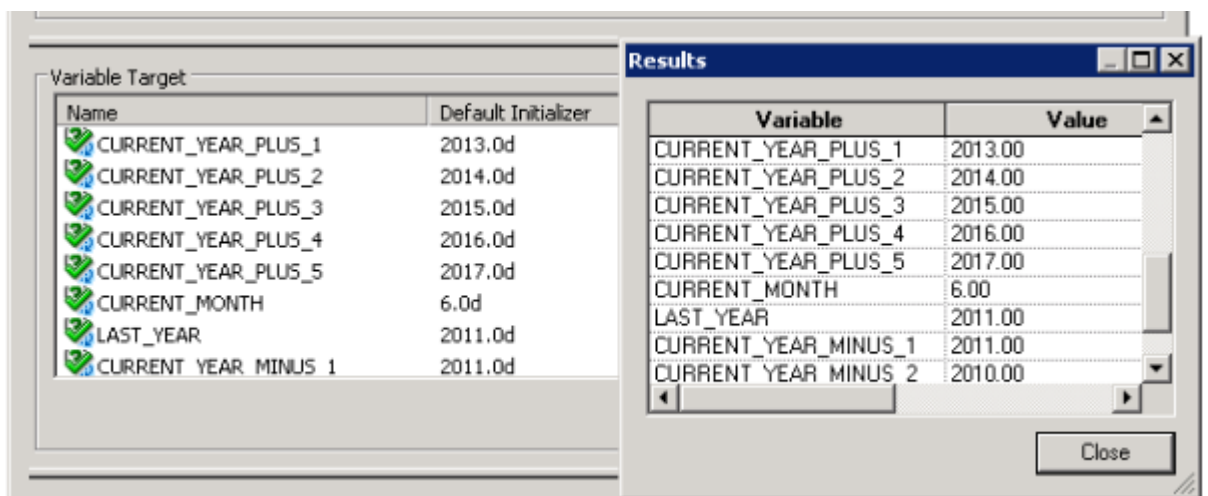
- Update *common.css* style for white-to-blue gradient banner to match your image height:
 - Before: `.HeaderBrandingCell img{width:100%;height:25px;vertical-align:top;}`
 - After: `.HeaderBrandingCell img{width:100%;height:76px;vertical-align:top;}`

Code Conversion Lessons

- Many tables, graphs sort alphabetically by month (Apr - Sep instead of Jan – Dec)
- In 11g, each report view can have its own sorting different from specified in the criteria tab
- Sort order is often based on the layout order in the report preview pane
- **Start** to add month number as a column to any report that displays month name as a column
- Add month number to display, but hide in the criteria tab
- Layout Month Number before Month Name

Code Conversion Lessons

- Dates were displayed as .0d at first...



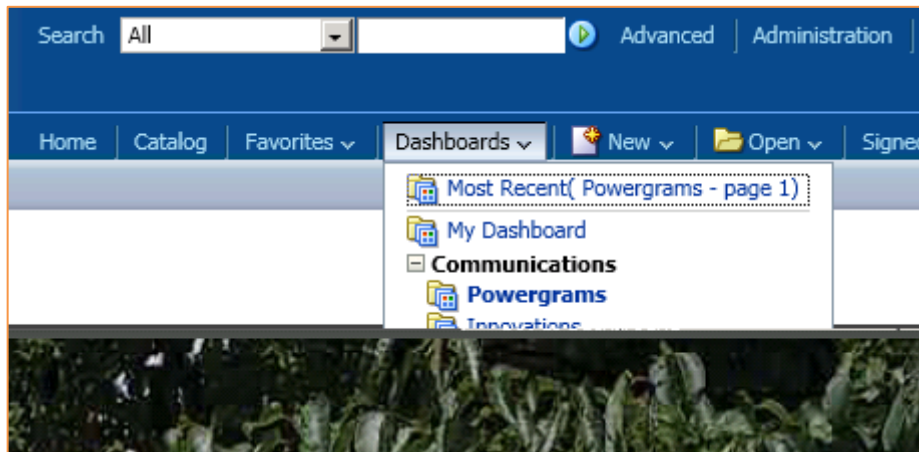
- The Date dimension was defined as **DATE** in the physical layer of the repository (RPD)
- **Start** changing Dates to be of type **DATETIME** in the physical layer of the OBIEE Repository.
- Alternately, the NQSConfig.INI file can be updated to remove the timestamp

Code Conversion Lessons

- Nomenclature Confusion:
 - “Managed Server” vs. “Admin Server”
 - BI Server vs. BI Services
- Managed Server = BI Server ... it is “managed” by the Admin server “WebLogic”.
- To start the Admin Server, choose Start --> Oracle Business Intelligence --> Start BI Services
- If you only need the BI Server restarted, use Enterprise Manager rather than the WebLogic Server Console

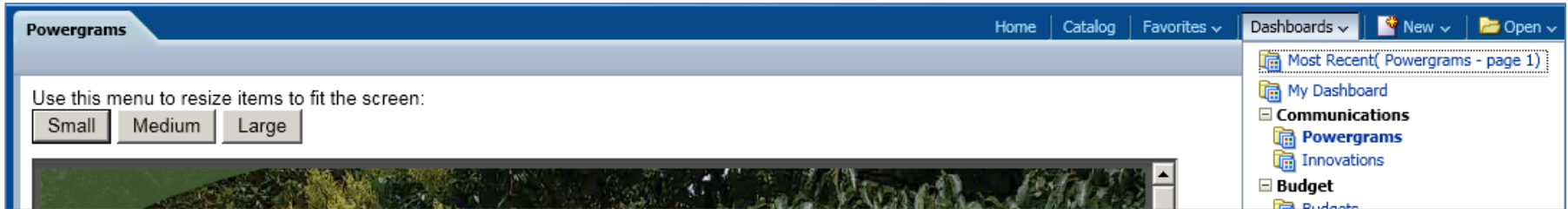
Code Conversion Lessons

- Dashboard menu layered behind iframe PDF's
- PDF/Menu overlay: added buttons to resize the iframe for different resolutions



Code Conversion Lessons

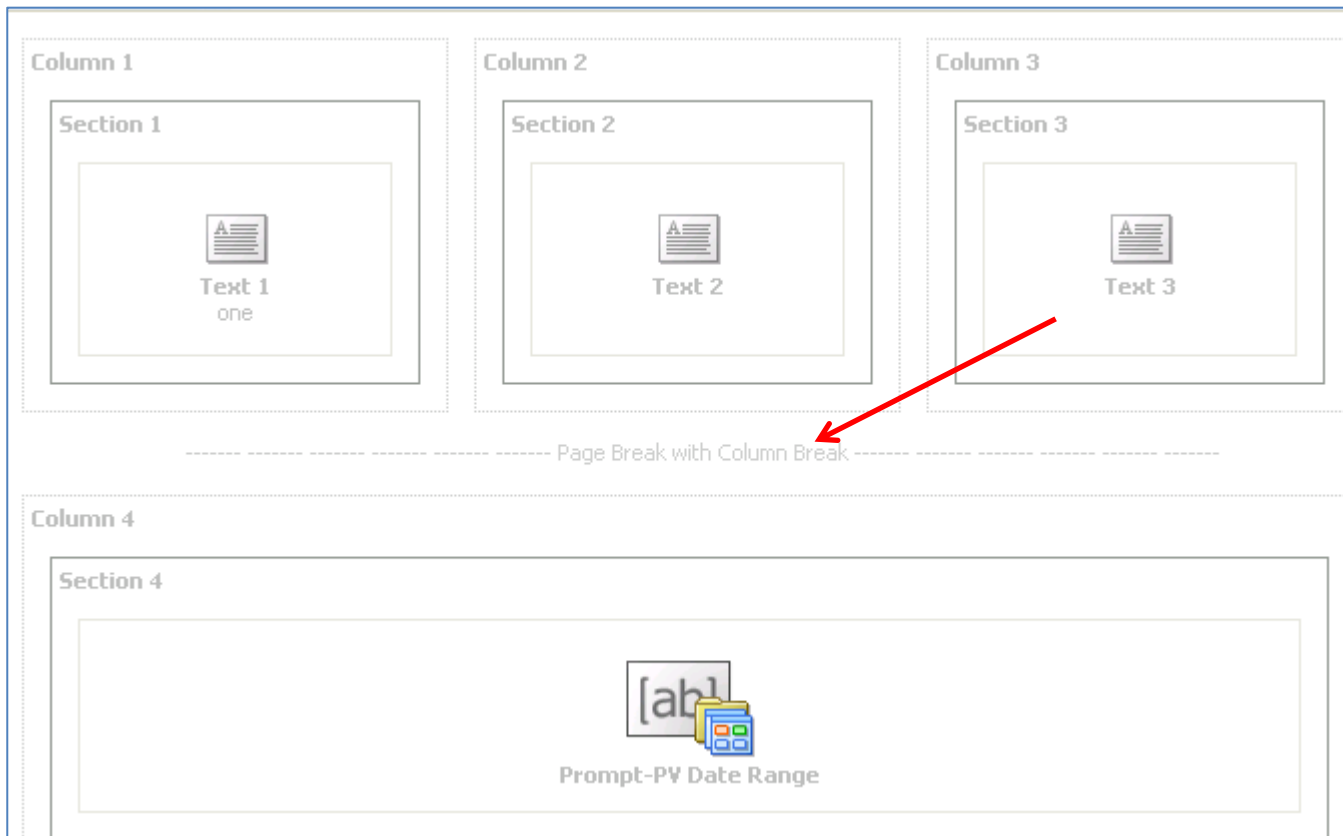
- Added buttons to dynamically resize the iframe for different resolutions



```
document.getElementById("pdf_display").width="65%";
```

Code Conversion Lessons

- Answers/Analyses are missing?
- No, just page breaks: convert “page break with column breaks” to “column breaks”



Code Conversion Lessons

- Prompts sort ascending, showing all values...
But our date dimension goes back decades...
Users have to scroll through the 1940's just to get to last year
- **Start** to filter date prompt with SQL Filter:

```
SELECT "Table"."Year"  
FROM "MyTable"  
WHERE "Table"."Year" BETWEEN  
  valueof("CURRENT_YEAR_MINUS_5") AND  
  valueof("CURRENT_YEAR") ORDER BY "Table"."Year"
```

Code Conversion Lessons

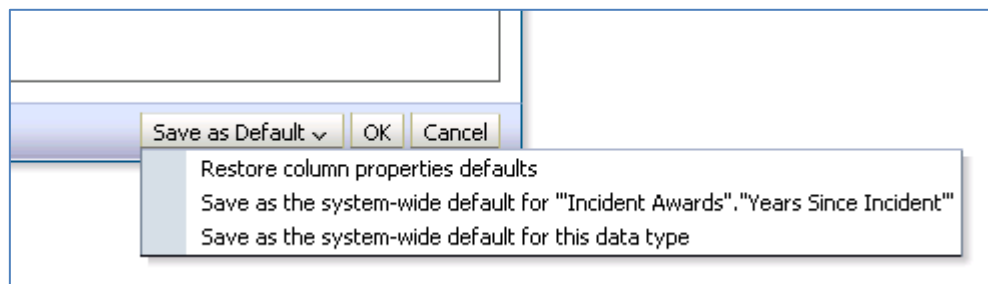
- Narrative views using substitution (@1, @2, @3...) do not override default data formats
- Visible reports displaying “12.00 year anniversary” instead of “12 year anniversary” as in 10g

The screenshot shows the 'Column Properties' dialog box with the 'Data Format' tab selected. The 'Override Default Data Format' checkbox is checked. The 'Treat Numbers As' dropdown is set to 'Number', 'Negative Format' is 'Minus: -123', and 'Decimal Places' is '0'. The 'Use 1000's Separator' checkbox is unchecked.

Property	Value
Override Default Data Format	<input checked="" type="checkbox"/>
Treat Numbers As	Number
Negative Format	Minus: -123
Decimal Places	0
Use 1000's Separator	<input type="checkbox"/>

Code Conversion Lessons

- **Start** to save format as default display format for the column or data type



- Direct database call to override default:

```
EVALUATE ( ' TO_CHAR ( %1 , %2 ) ' AS  
          CHAR ( 30 ) , "Table" . "Column"  
          , ' MM/DD/YYYY ' )
```

Code Conversion Lessons

- Reports with EVALUATE commands were broken
- Update NQSConfig.INI to support EVALUATE

```
# EVALUATE_SUPPORT_LEVEL:  
# 1: evaluate is supported for users with  
#    manageRepositories permission  
# 2: evaluate is supported for any user.  
# other: evaluate is not supported if the value is  
#    anything else.  
  
# EVALUATE_SUPPORT_LEVEL = 0;  
EVALUATE_SUPPORT_LEVEL = 2;
```

Code Conversion Lessons

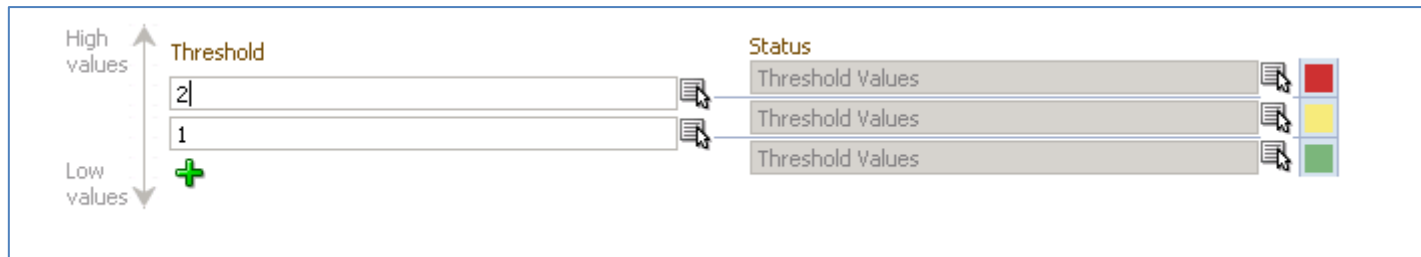
- 10g gauges use **ranges** to define each color. Our red/yellow/green bulb indicator had a value of **2**. Range 2 to 2 was defined as Red. The bulb showed **Red** as intended

The screenshot shows a dialog box titled "Gauge Ranges" with a table of defined ranges. The table has four columns: "Caption", "Minimum", "Maximum", and "Color". There are three rows of data. Each row has a text input field for the caption, a numeric input field for the minimum value, a small icon, a numeric input field for the maximum value, another small icon, a color swatch, and a red 'X' delete button. Below the table is an "Add" button. At the bottom right are "OK" and "Cancel" buttons.

Caption	Minimum	Maximum	Color
	2	2	Red
	1	1	Yellow
	0	0	Green

Code Conversion Lessons

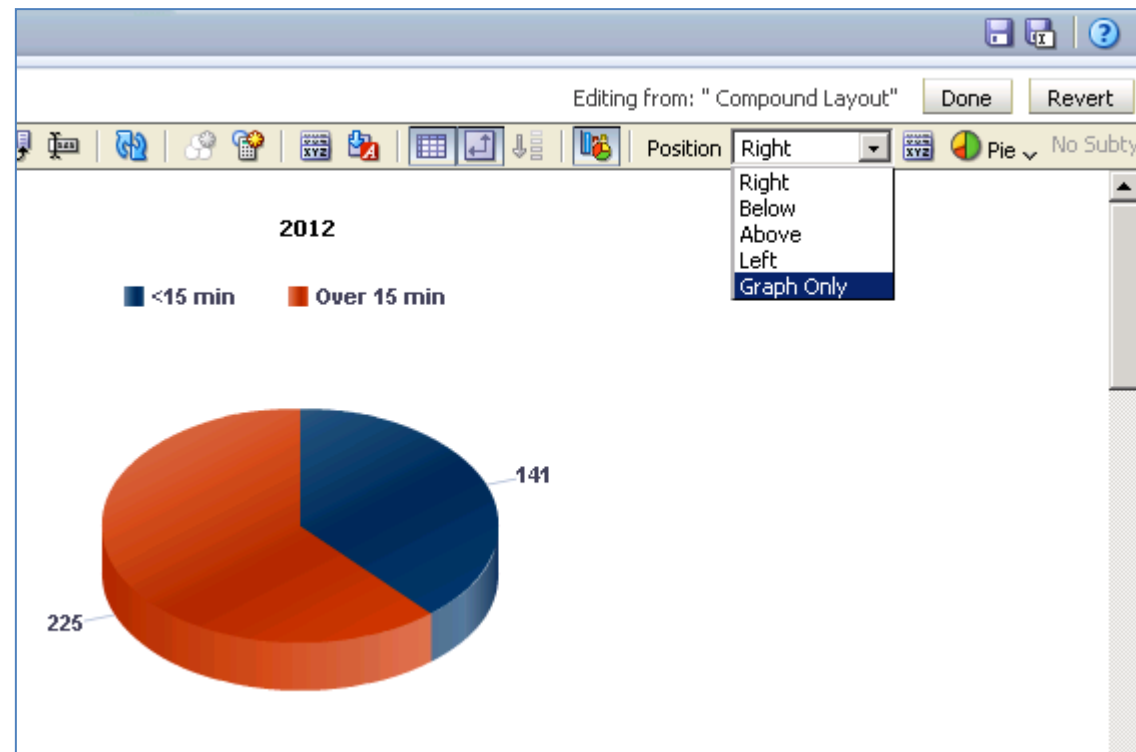
- 11g gauges use **thresholds** to define when to change colors. Our indicator had a value of **2**. Our new bulb had a threshold value of 2 ... between Red and Yellow. By default, our bulb was 'rounded down' to the lower color ... **Yellow**



- **Stop** using single value ranges in 10g
- **Start** updating 11g gauges for single-value ranges

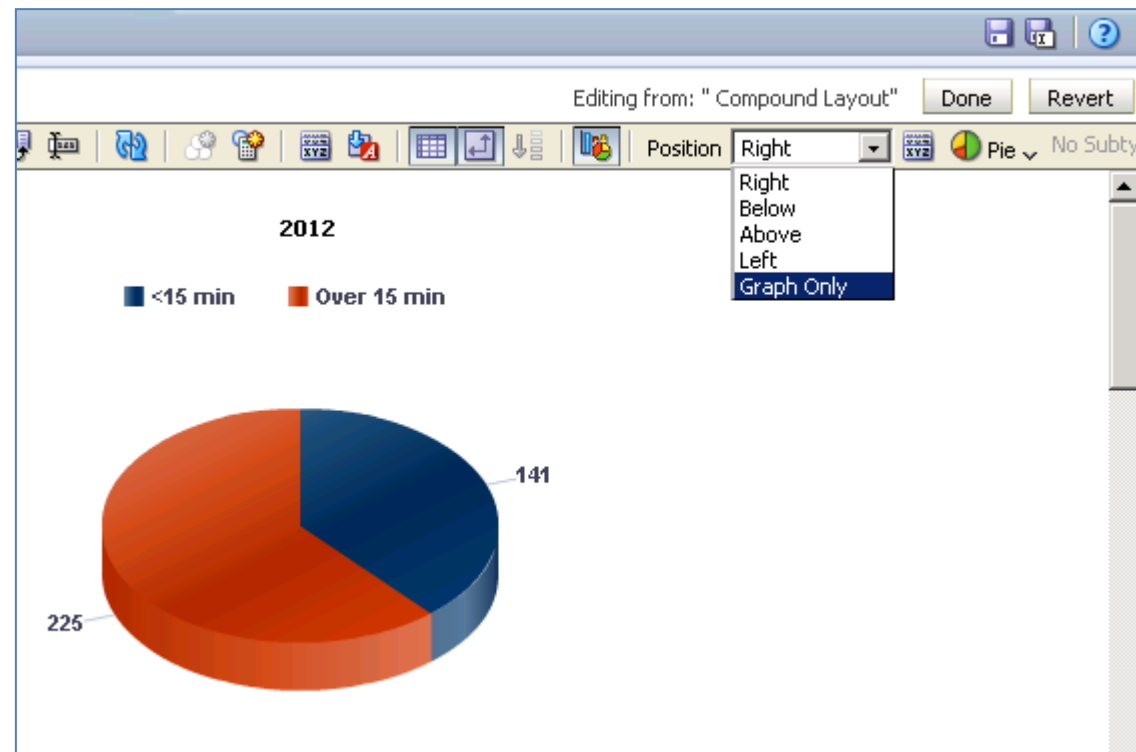
Code Conversion Lessons

- Unable to display Pivot Tables as Graph Only
- Selecting Graph Only reverts to Both after saving



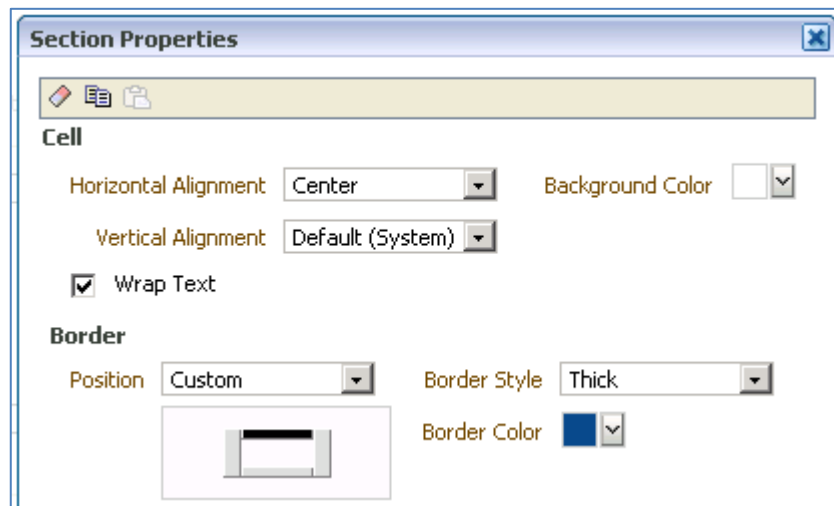
Code Conversion Lessons

- Trick posted to the OBIEE forum to click save instead of Done then Save
- **Continue** scanning a daily OBIEE forum digest email



Code Conversion Lessons

- Some pages used section borders to separate rows of reports
- Borders were not printing after the upgrade



- Changing the border color fixed the issue



BUG LESSONS

Bug Lessons

- Approval for access to your company My Oracle Support account is not always quick, especially if you are not an employee
- Request access to the My Oracle Support CSI tied to OBIEE
- Default access cannot download patches
- Request access level necessary to download OBIEE patches

Bug Lessons

- Graphs not displaying in Internet Explorer
- The report XML Generated by 11g is different than 10g. The 11g parser is more strict, leading to JavaScript errors, which cause graph not to display
- Plan for missing graphs:
 1. Install the 11.1.1.6.2 BP1 patch
 2. Try updating the data format for your data columns. If any have the “override default data format” checkbox selected, uncheck and retest. This fixed several reports.
 3. Rebuild the report in 11g (the 11g XML will be different)
 4. Systematically remove xml tags to find the problem tag
 5. Add refresh link for analysis. Refreshing renders graph

Bug Lessons

- Presentation Variables with default values not passed as criteria to other pages
 - Presentation Variable set on current page as expected
 - But value not passed to next page as criteria
 - The name of the variable is passed as text instead of the variable value (date)
 - Causes invalid date syntax error when a filter is based on Presentation Variable value
 - Issue due to Bug 13631863

Bug Lessons

- Presentation Variable Issue Workaround
 - Re designed pages
 - Presentation Variables default values not needed
 - All reports were prompted by the date field using a between prompt:
 - Before: “Start Date between PV1 and PV2”
 - After: “Start Date is prompted”
 - Slightly different interface for user, but still intuitive
 - Less code, simpler design, overall improvement

Bug Lessons

- BI Publisher report dataset query joining 11g table to 10g table through a database link
- Throws ORA-28267 Invalid Namespace error
- SQL query works as expected in SQL Developer
- Known RDBMS Bug 11708510. 11.2 Patch exists
- **Stop** joining across a database link in a data warehousing application. Move the join to an ETL process
- We needed real-time data... 15 minute ETL's weren't current enough.
- We re-designed the report to pull directly from single source database
- Other workarounds: create a pipelined function or materialized view



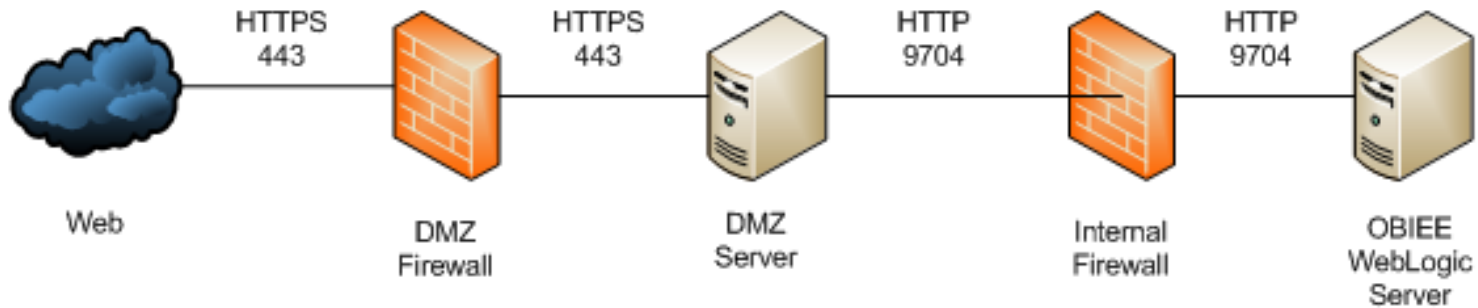
MOBILE SUPPORT LESSONS

Mobile Support Lessons

- Background
 - Mobile devices not allowed direct network access behind firewall, must go thru DMZ server securely
- After upgrade, BI Mobile app for the iPad worked great, except the Apex and BI Publisher iframe dashboard pages did not display on iPad

OBIEE iPad Setup

- SSL to DMZ Server outside the internal firewall



- Install Oracle Fusion Middleware Web Tier (Oracle HTTP Server) on DMZ Server to redirect traffic from port 443 to 9704
- SSL slows down traffic
- Enables general browser access to the dashboard

OBIEE iPad Setup

Configuration Details

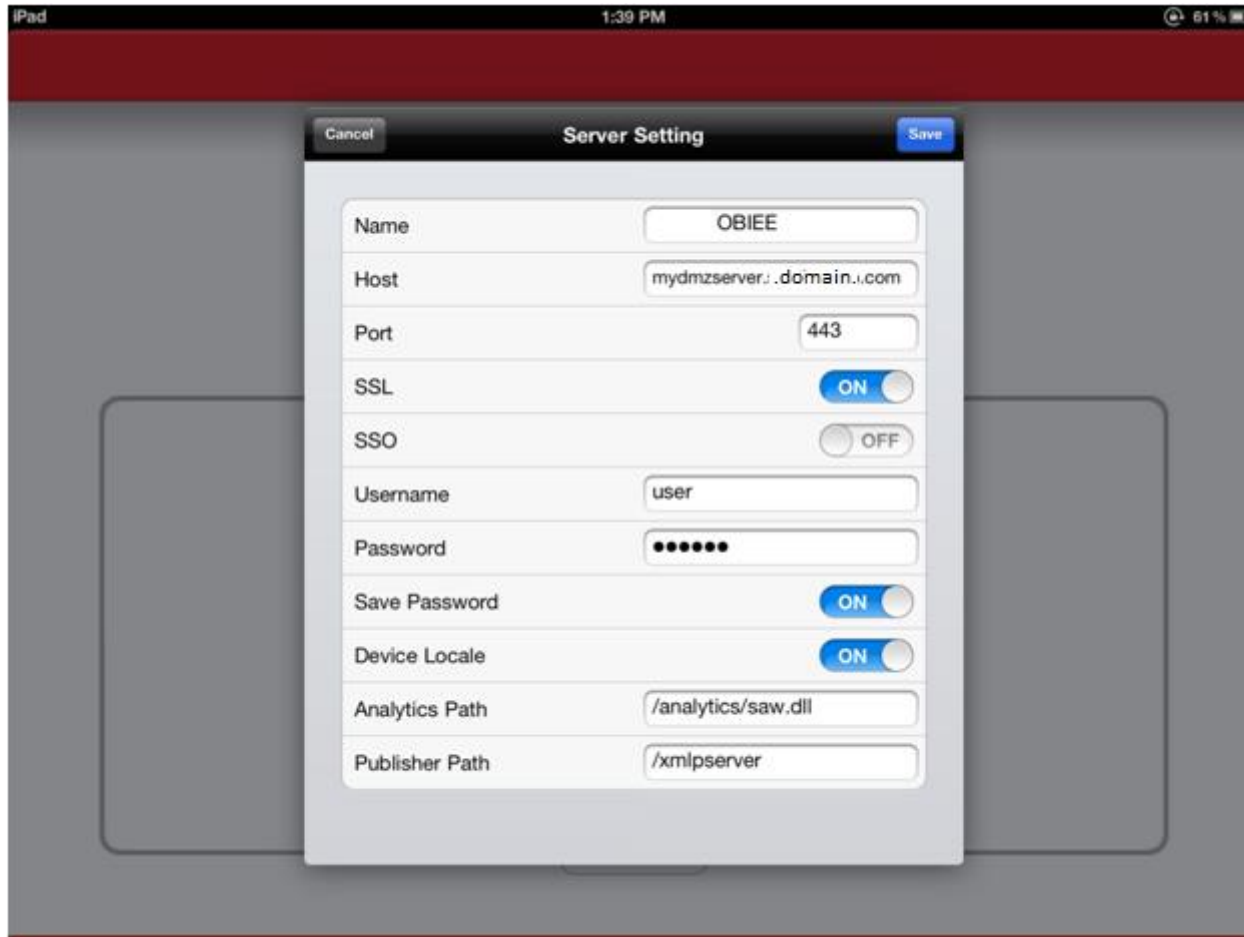
- Update mod_wl_ohs on Web Tier to point to internal server
- Update httpd.conf on Web Tier to not listen on port 7777 (only listen on port 443)
- Import Certificate
 - Create Wallet
 - Create Certificate Request
 - Take to Signing Authority
 - Import Certificate from Signing Authority
- Update ssl.conf to listen on 443
- Open port 9704 on Internal Firewall

OBIEE iPad Setup

iPad Configuration

- Verify access from standard laptop browser:
<https://mydmzserver/analytics>
- Download and install the Oracle BI Mobile iOS app
- BI Mobile App Settings
 - Use the full server reference in the “Host” field
 - Port 443
 - SSL ON (for secure access configurations)

OBIEE iPad Setup



OBIEE iPad Setup



Revenue Charts

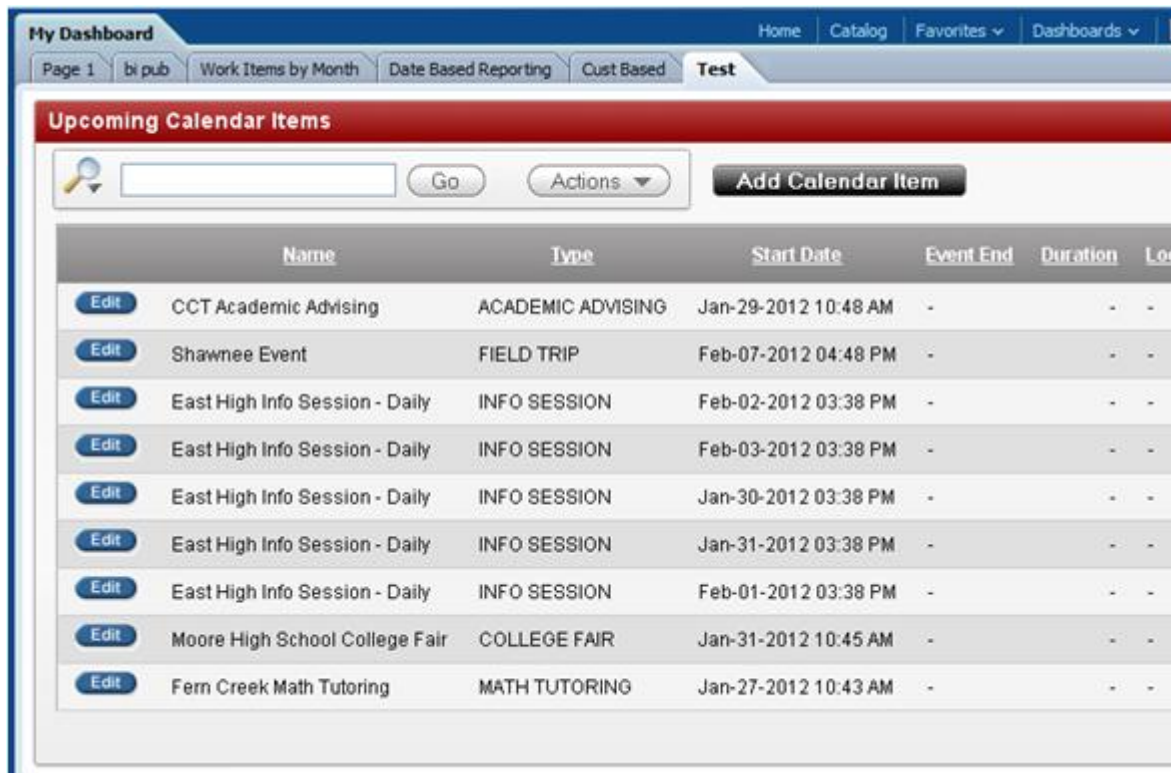
Product	Aspects	
	Revenue	Billed Qty
7 Megapixel Digital Camera		
Bluetooth Adapter		
CompCell R63		
Game Station		
HomeCouch 3000		
Intel®		
KeyMax S-iPhone		
LCD 30X Standard		
LCD HD Television		
MP3 Speakers System		
MP664 Camcorder		
Maintenance		
MacFun 2000		
MicroPod 6000		
Plasma HD Television		
PocketFun ES		
SoundX Nano 400		
Touch-Screen TB		
Tomteon E Plasma TV		

OBIEE iPad Setup

Embedded Apex, BI Publisher content

iframes were hardcoded to internal link:

<http://myhost:7777/pls/apex/f?p=101:23>



My Dashboard Home Catalog Favorites Dashboards

Page 1 bi pub Work Items by Month Date Based Reporting Cust Based Test

Upcoming Calendar Items

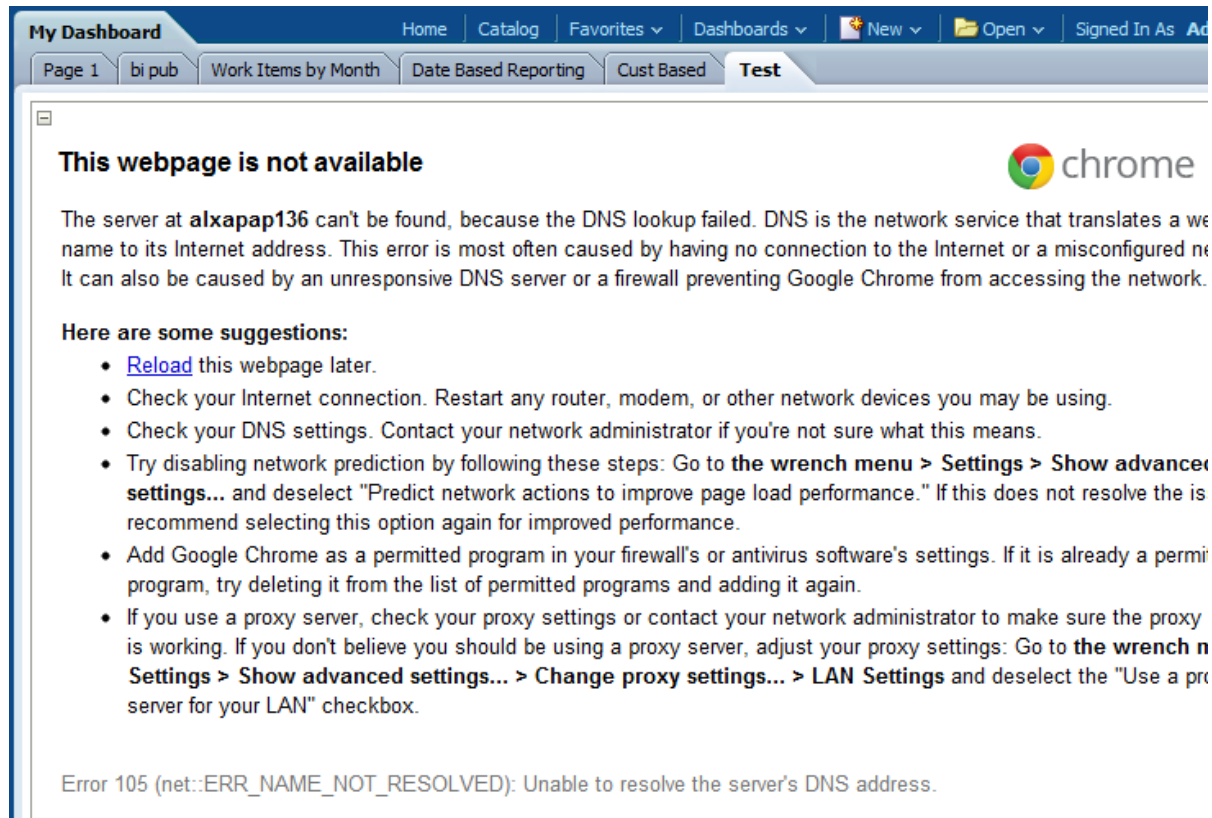
Go Actions Add Calendar Item

	Name	Type	Start Date	Event End	Duration	Loca
Edit	CCT Academic Advising	ACADEMIC ADVISING	Jan-29-2012 10:48 AM	-	-	-
Edit	Shawnee Event	FIELD TRIP	Feb-07-2012 04:48 PM	-	-	-
Edit	East High Info Session - Daily	INFO SESSION	Feb-02-2012 03:38 PM	-	-	-
Edit	East High Info Session - Daily	INFO SESSION	Feb-03-2012 03:38 PM	-	-	-
Edit	East High Info Session - Daily	INFO SESSION	Jan-30-2012 03:38 PM	-	-	-
Edit	East High Info Session - Daily	INFO SESSION	Jan-31-2012 03:38 PM	-	-	-
Edit	East High Info Session - Daily	INFO SESSION	Feb-01-2012 03:38 PM	-	-	-
Edit	Moore High School College Fair	COLLEGE FAIR	Jan-31-2012 10:45 AM	-	-	-
Edit	Fern Creek Math Tutoring	MATH TUTORING	Jan-27-2012 10:43 AM	-	-	-

OBIEE iPad Setup

But http / insecure traffic not allowed from outside the DMZ

<https://mydmzserver/...>



The screenshot shows a Chrome browser window with a navigation bar at the top containing 'My Dashboard', 'Home', 'Catalog', 'Favorites', 'Dashboards', 'New', 'Open', and 'Signed In As'. Below the navigation bar are tabs for 'Page 1', 'bi pub', 'Work Items by Month', 'Date Based Reporting', 'Cust Based', and 'Test'. The main content area displays a 'This webpage is not available' error message from Chrome. The message states: 'The server at alxapap136 can't be found, because the DNS lookup failed. DNS is the network service that translates a web name to its Internet address. This error is most often caused by having no connection to the Internet or a misconfigured network. It can also be caused by an unresponsive DNS server or a firewall preventing Google Chrome from accessing the network.' Below the message, there are suggestions: 'Here are some suggestions:' followed by a bulleted list of troubleshooting steps. At the bottom of the error page, the text reads: 'Error 105 (net::ERR_NAME_NOT_RESOLVED): Unable to resolve the server's DNS address.'

This webpage is not available

The server at **alxapap136** can't be found, because the DNS lookup failed. DNS is the network service that translates a web name to its Internet address. This error is most often caused by having no connection to the Internet or a misconfigured network. It can also be caused by an unresponsive DNS server or a firewall preventing Google Chrome from accessing the network.

Here are some suggestions:

- [Reload](#) this webpage later.
- Check your Internet connection. Restart any router, modem, or other network devices you may be using.
- Check your DNS settings. Contact your network administrator if you're not sure what this means.
- Try disabling network prediction by following these steps: Go to **the wrench menu > Settings > Show advanced settings...** and deselect "Predict network actions to improve page load performance." If this does not resolve the issue, we recommend selecting this option again for improved performance.
- Add Google Chrome as a permitted program in your firewall's or antivirus software's settings. If it is already a permitted program, try deleting it from the list of permitted programs and adding it again.
- If you use a proxy server, check your proxy settings or contact your network administrator to make sure the proxy is working. If you don't believe you should be using a proxy server, adjust your proxy settings: Go to **the wrench menu > Settings > Show advanced settings... > Change proxy settings... > LAN Settings** and deselect the "Use a proxy server for your LAN" checkbox.

Error 105 (net::ERR_NAME_NOT_RESOLVED): Unable to resolve the server's DNS address.

OBIEE iPad Setup

So use JavaScript to dynamically build the link setting the same protocol, host and port as how the user arrived at the page:

```
<iframe id="myframe" width="100%" height="100px"
  scrolling="" frameborder="0"></iframe>
<script type="text/javascript">
var myport='';
if (window.location.protocol=='http:') {myport=':7777'}
document.getElementById('myframe').src=window.location.
  protocol+'//'+window.location.hostname+myport+"/pls/a
  pex/f?p=101:60"
</script>
```

If more than one iframe on the same page, change the iframe ID each time

OBIEE iPad Setup

Same embedded content displays from user inside the corporate firewall or externally via iPad. Single code line to support

The screenshot shows the 'My Dashboard' interface in OBIEE. At the top, there are navigation links: Home, Catalog, Favorites, and Dashboards. Below this, there are tabs for 'Page 1', 'bi pub', 'Work Items by Month', 'Date Based Reporting', 'Cust Based', and 'Test'. The main content area is titled 'Upcoming Calendar Items' and features a search bar with a magnifying glass icon, a 'Go' button, an 'Actions' dropdown menu, and an 'Add Calendar Item' button. Below the search bar is a table with the following columns: Name, Type, Start Date, Event End, Duration, and Location. The table contains several rows of calendar items, each with an 'Edit' button to its left.

	Name	Type	Start Date	Event End	Duration	Loca
Edit	CCT Academic Advising	ACADEMIC ADVISING	Jan-29-2012 10:48 AM	-	-	-
Edit	Shawnee Event	FIELD TRIP	Feb-07-2012 04:48 PM	-	-	-
Edit	East High Info Session - Daily	INFO SESSION	Feb-02-2012 03:38 PM	-	-	-
Edit	East High Info Session - Daily	INFO SESSION	Feb-03-2012 03:38 PM	-	-	-
Edit	East High Info Session - Daily	INFO SESSION	Jan-30-2012 03:38 PM	-	-	-
Edit	East High Info Session - Daily	INFO SESSION	Jan-31-2012 03:38 PM	-	-	-
Edit	East High Info Session - Daily	INFO SESSION	Feb-01-2012 03:38 PM	-	-	-
Edit	Moore High School College Fair	COLLEGE FAIR	Jan-31-2012 10:45 AM	-	-	-
Edit	Fern Creek Math Tutoring	MATH TUTORING	Jan-27-2012 10:43 AM	-	-	-



NON-OBIEE TECHNICAL ISSUE LESSONS

Non-OBIEE Technical Issues

- OBIEE does not live in a vacuum. Other technologies can cause issues
- During my upgrade
 - The database server hardware crashed, without a database backup except file system backup
 - Re installed oracle software to restore the registry, then repointed init files to old DBF, CTL files. Took a clean export
 - Passwords expired
 - System user to unlock or reset password for source system
 - DB_Domain setting changed on new database server
 - Updated DB Link name to account for new setting

Upgrade Resources

- Oracle Documentation
- My Oracle Support
- <http://forums.oracle.com>
- OBIEE Blogs, Gerard Nico, etc
- Colleagues
- Consultants
- Follow [@OracleAnalytics](#) for updates on releases, patches, etc

OBIEE – Upgrade to 11g Lessons Learned

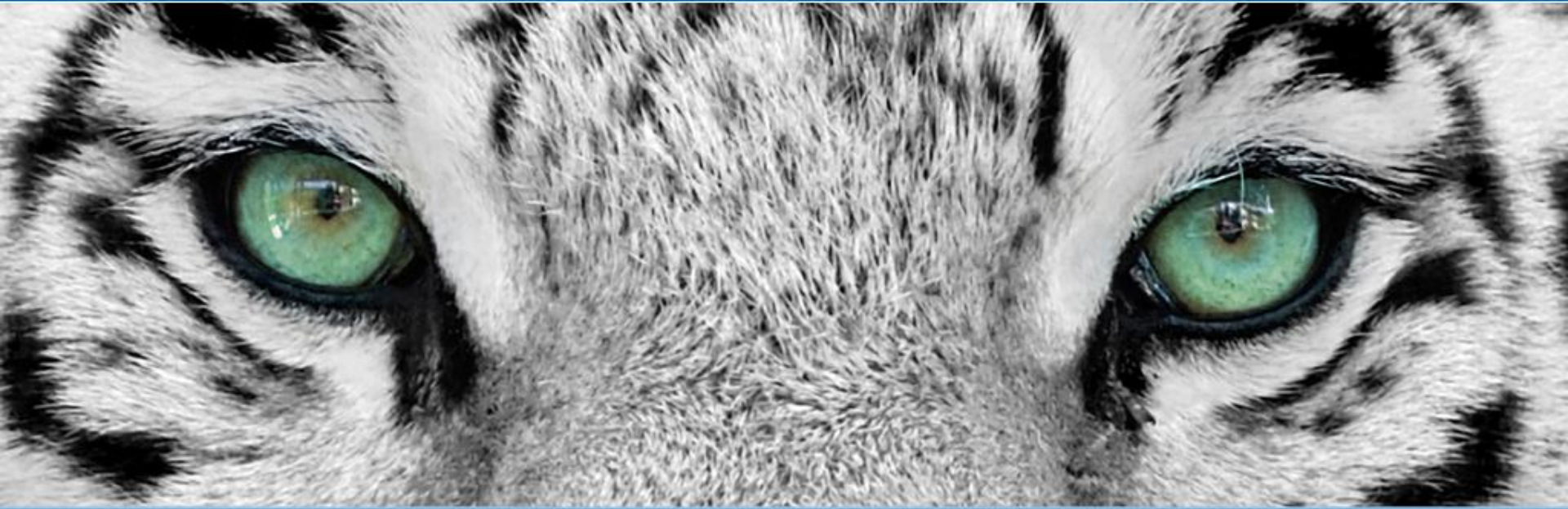
- Business Intelligence Foundation Suite / OBIEE 11g
 - The most substantial update since Siebel acquisition
- Stable at 11.1.1.6
 - Refreshed/Enhanced UI
 - Enhanced Essbase connectivity
 - Required for next-gen iOS mobile apps
- Time to Upgrade

About Me

- Robert Rolek (Twitter: @rrolek)
- Oracle Consultant

18 years working in technical lead, pre-sales, management and analyst roles with a variety of industries and technologies. Currently delivering Oracle Business Intelligence and Data Warehousing solutions

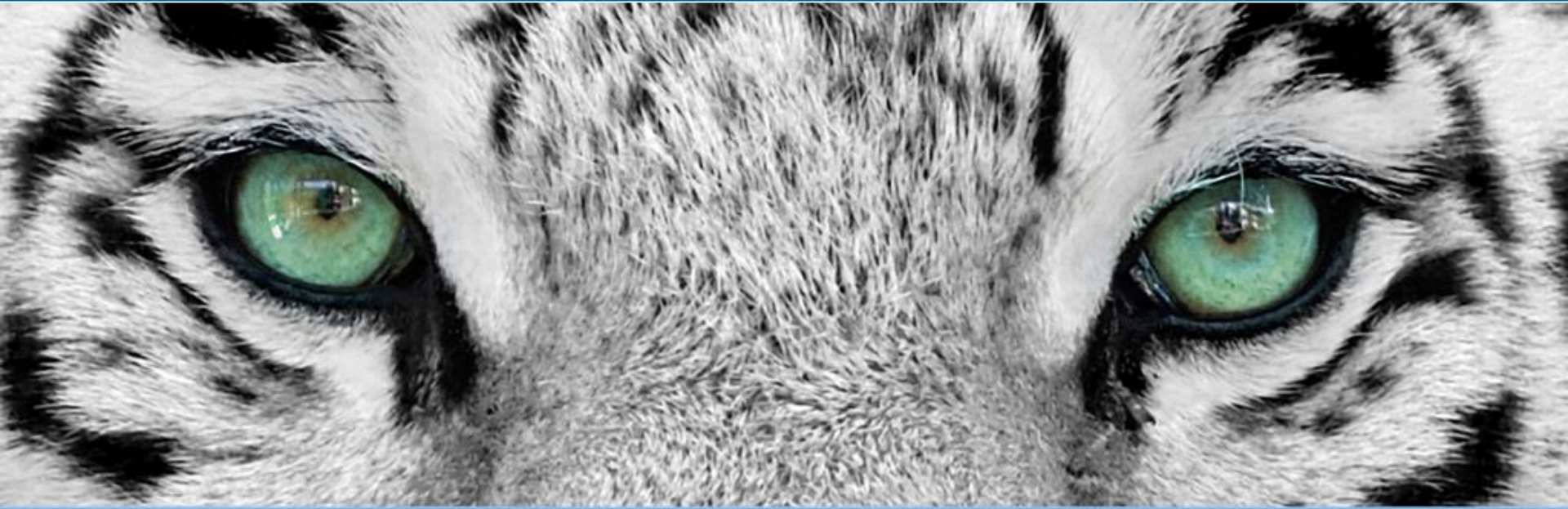
- Specialties
 - Oracle BI Foundation Suite (OBIEE), Oracle Data Integrator (ODI), Oracle APEX, Oracle BI Publisher, Oracle BI Applications - Financials, Oracle Application Server Portal, Oracle Application Server, Oracle Discoverer, Oracle database DBA, SQL, PL/SQL, SharePoint, Web Development with HTML, JavaScript, CSS, Knowledge Management/Content Management



About ROLTA

Rolta is a market leader in providing specialized IT-based solutions to the geospatial and engineering sectors. In addition, Rolta provides a full complement of solutions in the areas of ship design, software engineering and development, eSecurity and enterprise IT management, ERP consulting and deployment and interactive media and game development.





OBIEE 11g Upgrade

Lessons Learned – Expect the Unexpected

September 14, 2012

Robert Rolek | Managing Consultant
ROLTA Business Intelligence

