



SOFTWARE SOLUTIONS

Oracle BI 12.2.1 Migration

IOUG BIWA SIG TechCast

December 2, 2015

Dan Vlamis

Brian Terry

Vlamis Software Solutions

816-781-2880

<http://www.vlamis.com>

Oracle BI 12.2.1 Migration Agenda

- IOUG, BIWA and Vlamis background
- OBIEE 12c migration
- Use Questions or Chat or Questions to communicate

www.vlamis.com

vlamis
SOFTWARE SOLUTIONS

Oracle-based Business Intelligence
and Data Warehousing Solutions

Home Blog About Us Data Mining OBIEE OLAP **Papers and Presentations** Services Technologies Training Ama

Papers by Year

- 2015**
- 2014
- 2013
- 2012
- 2011
- 2010
- 2009
- 2008
- 2007
- 2006
- 2005

Partnerships

- Oracle
- Simba
- arcplan
- DeltaMaster

Papers and Presentations | 2013

You must have an **Adobe Acrobat** compatible reader installed to view our papers. If you would like to have a copy of a paper or presentation we have given that has not yet been posted, please send an e-mail to papers@vlamis.com with the name of the conference and the year you need. Links to papers will open in a new window.

BIWA Summit
January 9-10, 2013 • Redwood City, CA • [Website](#)

- Hands On With Oracle Business Intelligence 11g – A Quick Start**
[Abstract](#) | [Presentation](#)
- Visualizing Data Cubes With Multiple Products**
[Abstract](#) | [Presentation](#)

OBIEE 11.1.1.7 TechCast
April 5, 2013

What's New in OBIEE 11.1.1.7 IOUG BIWA TechCast
[Abstract](#) | [Presentation](#)

File View Help

Screen Sharing

ON AIR Showing screen

Show My Screen Stop Showing Screen Give Keyboard & Mouse Change Presenter

Audio

Telephone Mic & Speakers

Dial: +1 (415) 655-0059
Access Code: 838-824-244
You are connected to audio

Chat

IOUG Headquarters (to Me - Private):
3:28 PM: Thank you Dan for a great rehearsal! We look forward to your live webcast!

IOUG Headquarters (to Me - Private):
3:29 PM: Questions will appear here

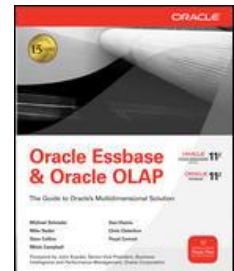
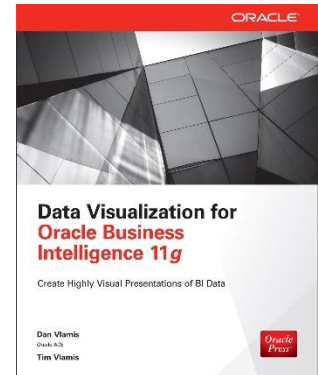
Organizers and Panelists Only Send

REHEARSAL: IOUG BIWA SIG Webcast: What's New in OBIEE 11.1.1.9
Webinar ID: 102-674-339
This session is being recorded.
GoToWebinar



VlamiS Software Solutions

- VlamiS Software founded in 1992 in Kansas City, Missouri
- Developed more than 200 Oracle BI systems
- Specializes in ORACLE-based:
 - Data Warehousing
 - Business Intelligence
 - Data Mining and Predictive Analytics
 - Data Visualization
- Expert presenter at major Oracle conferences
- Conference chair for BIWA Summit 2014 - 2016
- www.vlamiS.com (blog, papers, newsletters, services)
- Co-author of book “Data Visualization for OBI 11g”
- Co-author of book “Oracle Essbase & Oracle OLAP”
- Oracle University and Gold Partner
- Beta tester for OBIEE 11g & 12c



ORACLE EDUCATION RESELLER

ORACLE Gold Partner

Specialized
Oracle Business Intelligence
Foundation Suite 11g



Month of IOUG BIWA Techcasts

Time	Title
Nov 19 12pm	Oracle BI 12.2.1 New Features
Nov 23 12pm	Fifth Annual OpenWorld 2015 Unauthorized BI and Analytics Scoop Session
Dec 2 12pm	Upgrading from Oracle BI 11g to Oracle BI 12.2.1
Dec 9 12pm	Oracle Data Visualization Cloud Service Live Demo
Dec 16 12pm	Oracle BI 12.2.1 New Features (repeat)

More information and sign up at www.vlamis.com/papers2015/#novdec



Session list is live now!

BIWA Summit 2016, Jan 26-28

Oracle HQ Conference Center

Business Intelligence, Warehousing and Analytics
and Spatial

IOUG Special Interest Group

www.biwasummit.org





OBIEE 12c Migration

- Overview
- Pre Migration Steps and Considerations
- Migration Steps
- Post Migration Steps OBIEE
- Post Migration Steps for BI Publisher
- Post Migration Steps for Essbase
- OBIEE Administration differences



Migration Overview

- Analyze and prepare the existing 11g system in preparation for migration to 12c
- Understand what is migrated and how
- Define a test plan to validate the migration
- Test a sample migration on a representative subset of the existing 11g system
- Perform the migration
 - Can be part of an initial OBIEE 12c installation or can be performed in an existing 12c environment*
- Perform post migration steps

* This presentation will focus on migration as part of an OBIEE 12c install



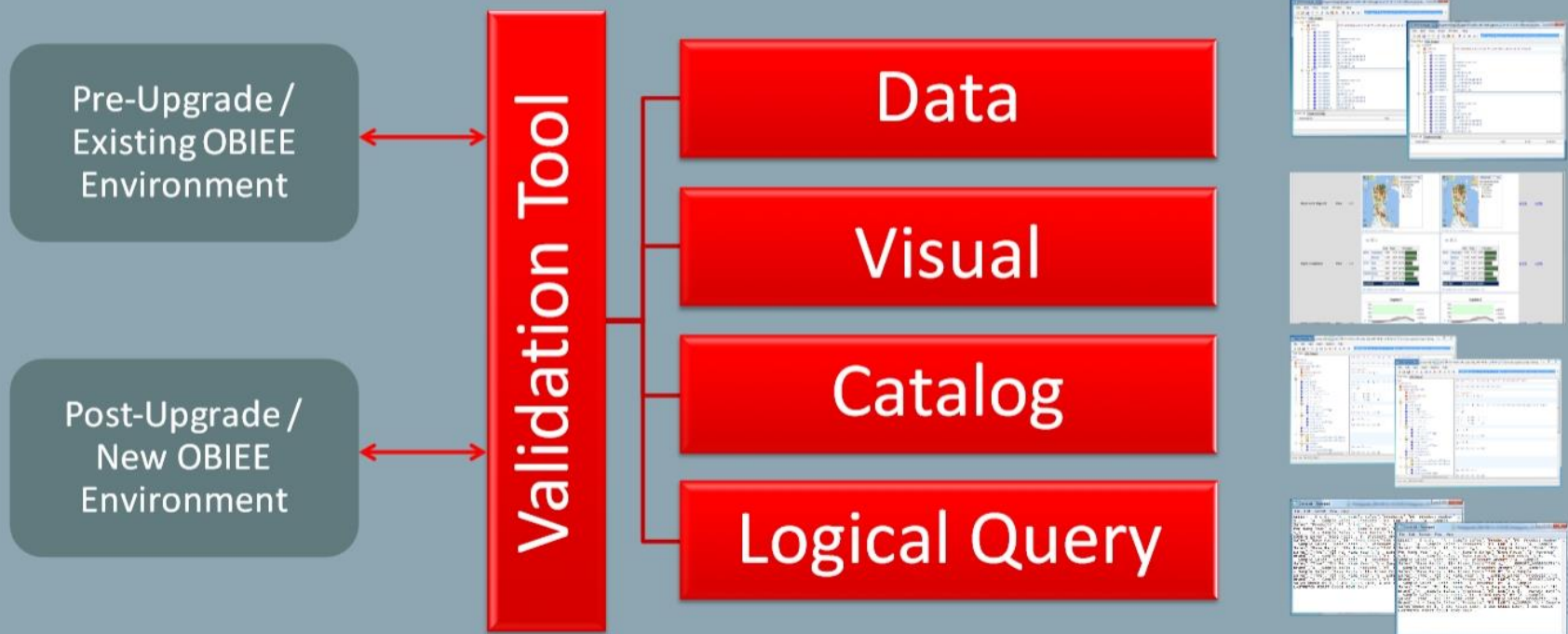
Pre Migration Steps

- Analyze and Prepare the 11g System
 - Name and size of the repository
 - Name and size of the BI presentation catalog
 - Existing security model details
 - Data sources
 - Number of scheduled jobs
 - Links to external systems



Baseline Validation Tool (BVT)

Oracle BI Baseline Validation Tool





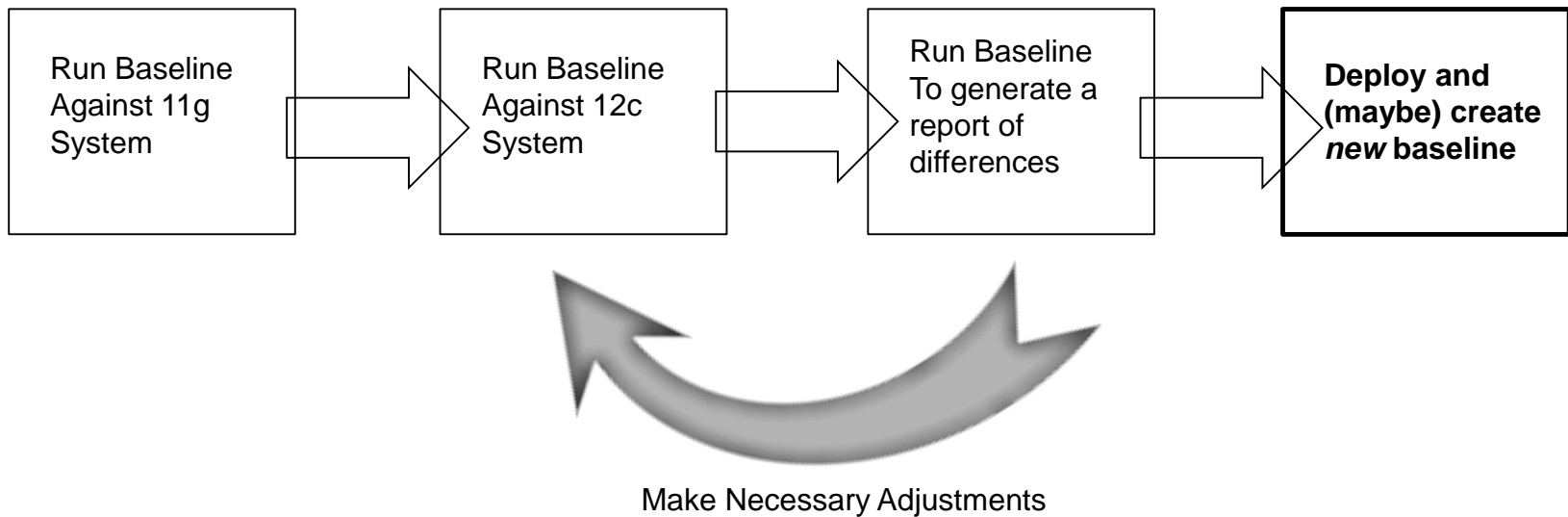
BVT Characteristics

BVT enables the creation of a baseline set of data that is then able to be compared with data from another (or the same) system that may be the result of an upgrade, patch or migration, or any change.

- A way to perform automated regression testing on any two compatible Oracle BIEE environments
- Works within and across 11g and 12c versions
- Works on Linux and Windows
- A way to instill confidence when performing an upgrade, migration or significant change to an existing environment



Baseline Workflow (BVT)





Baseline Validation Tool

- Determine regression test methodology
 - Select sample set of analyses, dashboards etc. to establish your baseline
 - Determine frequency to run regressions
- Use BVT to execute your regression test strategy
 - BVT is a command line tool
(many modes based on command line parameters)
 - Run 3 Times:
 - First Run to establish base line against existing system (e.g. 11g)
 - Second Run against a patched or new version system (e.g. 12c)
 - Third Run to generate reports from the output of the first two runs
 - Iterate as necessary to correct anomalies or inconsistencies



Baseline Validation Tool

```
F:\obieclient12c\bi\components\oracle.bi.bvt\OracleBI-BVT>bin\obibvt.bat -config TestConfig.xml -deployment BI11117base
INFO: Result folder: Results\BI11117base
INFO: CatalogPlugin: Initialized
INFO: CatalogPlugin: Set Up for Test Run
INFO: Starting [com.oracle.biee.bvt.plugin.catalog.CatalogPlugin]:[GetCatalogTest]
INFO: CatalogPlugin: GetCatalogTest()
Catalog Items Found: 467
INFO: CatalogPlugin: Found 467 items in 11 seconds
Analyzing Reports: [=====] 100%
INFO: CatalogPlugin: Found 36 reports in 0 seconds
INFO: [com.oracle.biee.bvt.plugin.catalog.CatalogPlugin]:[GetCatalogTest] returned in 11 seconds
INFO: DashboardPlugin: Initialized
INFO: SamplePlugin: Set Up for Test Run
INFO: Starting [com.oracle.biee.bvt.plugin.dashboard.DashboardPlugin]:[ExportDashboardsToXML]
INFO: Starting test: ExportDashboardsToXML
INFO: Getting dashboard items for path:

INFO: Ending test: ExportDashboardsToXML.
INFO: [com.oracle.biee.bvt.plugin.dashboard.DashboardPlugin]:[ExportDashboardsToXML] returned in 7 seconds
INFO: SamplePlugin: Initialized
INFO: SamplePlugin: Set Up for Test Run
INFO: Starting [com.oracle.biee.bvt.plugin.logicalquery.LogicalQueryPlugin]:[GetLogicalQueries]
INFO: LogicalQueryPlugin: GetLogicalQueries()
Catalog Items Found: 467

INFO: Found 36 reports
Saving Logical-SQLs[=====] 100%

INFO: getLogicalQueriesAsync returned
INFO: [com.oracle.biee.bvt.plugin.logicalquery.LogicalQueryPlugin]:[GetLogicalQueries] returned in 8 seconds
INFO: ReportPlugin: Initialized
INFO: ReportPlugin: Set Up for Test Run
INFO: Starting [com.oracle.biee.bvt.plugin.report.ReportPlugin]:[ExportReportsToCSV]
INFO: Getting report items from server: http://opisvma:9704/analytics
Catalog Items Found: 467 INFO: Total of 36 reports found, exporting CSV for reports
INFO: Timeout to download single report is set to 15000 MSecs
Processing report[=====] 100%
```



Baseline Validation Tool Report

Data Verification

REPORT BASELINE VERIFICATION SUMMARY

SUMMARY PIVOT	SUMMARY DATA
Name	ExportReportsToCSV
Run start time	2015-07-28-17.00.39
Run end time	2015-07-28-17.00.39

...Link to each report for direct comparison

BASLINE VERIFICATION PIVOT	BASLINE VERIFICATION DATA
Totalcount	22
Fail Count	0
Pass Count	22
Missing Count	0
New Item Count	0

BASLINE VERIFICATION PIVOT	BASLINE VERIFICATION DATA
Deployment Name	PreUpgrade
Server Name	http://gbr10396.uk.oracle.com:9704/analytics
Deployment Name	PostUpgrade
Server Name	http://slck24011.us.oracle.com:9502/analytics

Overall Summary...

REPORT BASELINE VERIFICATION PASSED

NAME	LINK	RESULT	FIRST DEPLOYMENT	SECOND DEPLOYMENT
Quarterly Revenue	SERVER LINK	Pass	FILE LINK	FILE LINK
Sales by Brand	SERVER LINK	Pass	FILE LINK	FILE LINK
Contribution Waterfall	SERVER LINK	Pass	FILE LINK	FILE LINK
Custom Group	SERVER LINK	Pass	FILE LINK	FILE LINK
Custom Group - Scorecard	SERVER LINK	Pass	FILE LINK	FILE LINK
Filters	SERVER LINK	Pass	FILE LINK	FILE LINK
Gauges	SERVER LINK	Pass	FILE LINK	FILE LINK
Help1	SERVER LINK	Pass	FILE LINK	FILE LINK
Help2	SERVER LINK	Pass	FILE LINK	FILE LINK
History Overview	SERVER LINK	Pass	FILE LINK	FILE LINK
Monthly Revenue Trend	SERVER LINK	Pass	FILE LINK	FILE LINK
Monthly Trending	SERVER LINK	Pass	FILE LINK	FILE LINK
Order Details	SERVER LINK	Pass	FILE LINK	FILE LINK
Performance Indicators	SERVER LINK	Pass	FILE LINK	FILE LINK
Product Revenue	SERVER LINK	Pass	FILE LINK	FILE LINK
Target Completion	SERVER LINK	Pass	FILE LINK	FILE LINK
Timeline	SERVER LINK	Pass	FILE LINK	FILE LINK
Top Offices	SERVER LINK	Pass	FILE LINK	FILE LINK
Trellis1	SERVER LINK	Pass	FILE LINK	FILE LINK
Trellis2	SERVER LINK	Pass	FILE LINK	FILE LINK
Trellis3	SERVER LINK	Pass	FILE LINK	FILE LINK
Trellis4	SERVER LINK	Pass	FILE LINK	FILE LINK



Baseline Validation Tool Report

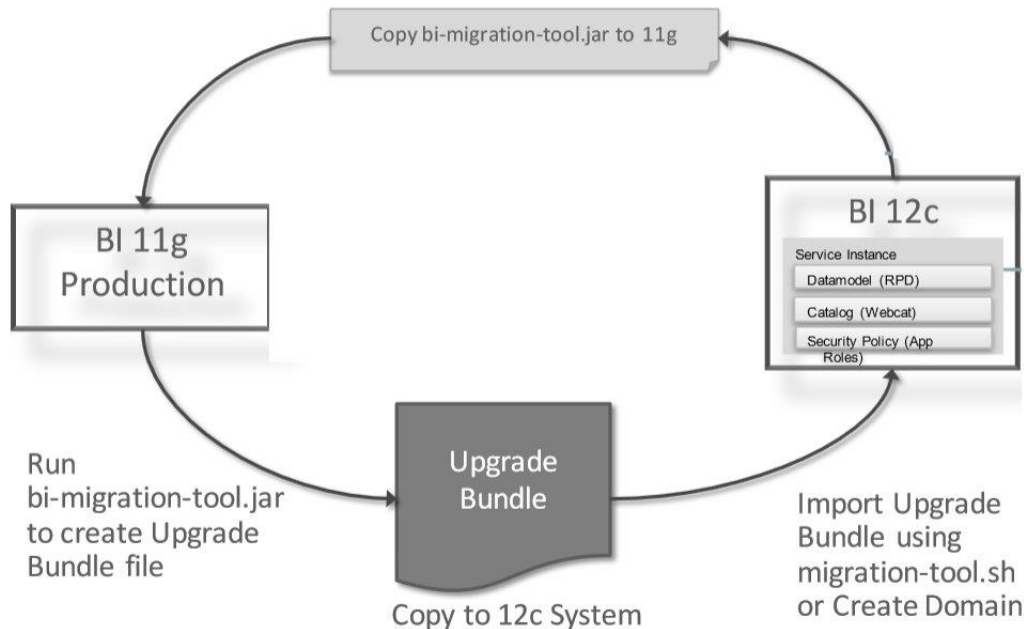
UI ANALYSIS BASELINE VERIFICATION FAILURES

NAME	RESULT	SCORE	FIRST SNAPSHOT	SECOND SNAPSHOT																																																																								
Orders and Density By LOBs	Fail	0.85	<div><div>Orders and Density By Employee</div><div>Time run: 10/4/2015 12:39:39 PM</div><table><tr><th></th><th>31 # of Orders (Cnt Distinct)</th><th>35 # of Products with Orders (Cnt Distinct)</th><th>32 # of Cust with Orders (Cnt Distinct)</th><th>33 # of Empl with Orders (Cnt Distinct)</th><th># of Dates with Orders</th></tr><tr><td>> Michel Lombardi</td><td>71,000</td><td>20</td><td>1,000</td><td>24</td><td>1,000</td></tr><tr><td>> Monica Velasquez</td><td>25,084</td><td>20</td><td>999</td><td>9</td><td>1,004</td></tr><tr><td>> Sophie Bergman</td><td>24,420</td><td>20</td><td>993</td><td>7</td><td>1,000</td></tr><tr><td>> Helen Mayes</td><td>12,866</td><td>20</td><td>984</td><td>4</td><td>1,070</td></tr><tr><td>> Paul Wilson</td><td>4,367</td><td>20</td><td>759</td><td>2</td><td>870</td></tr><tr><td>Alexis Miranda</td><td>4,206</td><td>20</td><td>677</td><td>1</td><td>995</td></tr></table><div></div><div>LINK</div></div>		31 # of Orders (Cnt Distinct)	35 # of Products with Orders (Cnt Distinct)	32 # of Cust with Orders (Cnt Distinct)	33 # of Empl with Orders (Cnt Distinct)	# of Dates with Orders	> Michel Lombardi	71,000	20	1,000	24	1,000	> Monica Velasquez	25,084	20	999	9	1,004	> Sophie Bergman	24,420	20	993	7	1,000	> Helen Mayes	12,866	20	984	4	1,070	> Paul Wilson	4,367	20	759	2	870	Alexis Miranda	4,206	20	677	1	995	<div><div>Orders and Density By LOBs</div><div>Time run: 10/5/2015 4:17:25 AM</div><table><tr><th></th><th>31 # of Orders (Cnt Distinct)</th><th>35 # of Products with Orders (Cnt Distinct)</th><th>32 # of Cust with Orders (Cnt Distinct)</th><th>33 # of Empl with Orders (Cnt Distinct)</th><th># of Dates with Orders</th></tr><tr><td>> Total Value</td><td>71,000</td><td>20</td><td>1,000</td><td>24</td><td>1,000</td></tr><tr><td>> BigTech</td><td>28,474</td><td>8</td><td>1,000</td><td>24</td><td>1,070</td></tr><tr><td>> FunPod</td><td>21,587</td><td>6</td><td>1,000</td><td>24</td><td>1,000</td></tr><tr><td>> HomeView</td><td>20,939</td><td>6</td><td>995</td><td>24</td><td>1,000</td></tr></table><div></div><div>LINK</div></div>		31 # of Orders (Cnt Distinct)	35 # of Products with Orders (Cnt Distinct)	32 # of Cust with Orders (Cnt Distinct)	33 # of Empl with Orders (Cnt Distinct)	# of Dates with Orders	> Total Value	71,000	20	1,000	24	1,000	> BigTech	28,474	8	1,000	24	1,070	> FunPod	21,587	6	1,000	24	1,000	> HomeView	20,939	6	995	24	1,000
	31 # of Orders (Cnt Distinct)	35 # of Products with Orders (Cnt Distinct)	32 # of Cust with Orders (Cnt Distinct)	33 # of Empl with Orders (Cnt Distinct)	# of Dates with Orders																																																																							
> Michel Lombardi	71,000	20	1,000	24	1,000																																																																							
> Monica Velasquez	25,084	20	999	9	1,004																																																																							
> Sophie Bergman	24,420	20	993	7	1,000																																																																							
> Helen Mayes	12,866	20	984	4	1,070																																																																							
> Paul Wilson	4,367	20	759	2	870																																																																							
Alexis Miranda	4,206	20	677	1	995																																																																							
	31 # of Orders (Cnt Distinct)	35 # of Products with Orders (Cnt Distinct)	32 # of Cust with Orders (Cnt Distinct)	33 # of Empl with Orders (Cnt Distinct)	# of Dates with Orders																																																																							
> Total Value	71,000	20	1,000	24	1,000																																																																							
> BigTech	28,474	8	1,000	24	1,070																																																																							
> FunPod	21,587	6	1,000	24	1,000																																																																							
> HomeView	20,939	6	995	24	1,000																																																																							
Orders and Density By Year	Fail	0.83	<div><div>Orders and Density By Year</div><div>Time run: 10/4/2015 12:39:23 PM</div><table><tr><th></th><th>31 # of Orders (Cnt Distinct)</th><th>35 # of Products with Orders (Cnt Distinct)</th><th>32 # of Cust with Orders (Cnt Distinct)</th><th>33 # of Empl with Orders (Cnt Distinct)</th><th># of Dates with Orders</th></tr><tr><td>> Total Time</td><td>71,000</td><td>20</td><td>1,000</td><td>24</td><td>1,000</td></tr><tr><td>> 2010</td><td>23,973</td><td>20</td><td>999</td><td>24</td><td>999</td></tr><tr><td>> 2012</td><td>23,885</td><td>20</td><td>999</td><td>23</td><td>999</td></tr><tr><td>> 2013</td><td>23,142</td><td>20</td><td>991</td><td>23</td><td>999</td></tr></table><div></div><div>LINK</div></div>		31 # of Orders (Cnt Distinct)	35 # of Products with Orders (Cnt Distinct)	32 # of Cust with Orders (Cnt Distinct)	33 # of Empl with Orders (Cnt Distinct)	# of Dates with Orders	> Total Time	71,000	20	1,000	24	1,000	> 2010	23,973	20	999	24	999	> 2012	23,885	20	999	23	999	> 2013	23,142	20	991	23	999	<div><div>Orders and Density By Year</div><div>Time run: 10/5/2015 4:17:25 AM</div><table><tr><th></th><th>31 # of Orders (Cnt Distinct)</th><th>35 # of Products with Orders (Cnt Distinct)</th><th>32 # of Cust with Orders (Cnt Distinct)</th><th>33 # of Empl with Orders (Cnt Distinct)</th><th># of Dates with Orders</th></tr><tr><td>> Total Time</td><td>71,000</td><td>20</td><td>1,000</td><td>24</td><td>1,000</td></tr><tr><td>> 2010</td><td>23,973</td><td>20</td><td>999</td><td>24</td><td>999</td></tr><tr><td>> 2012</td><td>23,885</td><td>20</td><td>999</td><td>23</td><td>999</td></tr><tr><td>> 2011</td><td>23,142</td><td>20</td><td>991</td><td>23</td><td>999</td></tr></table><div></div><div>LINK</div></div>		31 # of Orders (Cnt Distinct)	35 # of Products with Orders (Cnt Distinct)	32 # of Cust with Orders (Cnt Distinct)	33 # of Empl with Orders (Cnt Distinct)	# of Dates with Orders	> Total Time	71,000	20	1,000	24	1,000	> 2010	23,973	20	999	24	999	> 2012	23,885	20	999	23	999	> 2011	23,142	20	991	23	999												
	31 # of Orders (Cnt Distinct)	35 # of Products with Orders (Cnt Distinct)	32 # of Cust with Orders (Cnt Distinct)	33 # of Empl with Orders (Cnt Distinct)	# of Dates with Orders																																																																							
> Total Time	71,000	20	1,000	24	1,000																																																																							
> 2010	23,973	20	999	24	999																																																																							
> 2012	23,885	20	999	23	999																																																																							
> 2013	23,142	20	991	23	999																																																																							
	31 # of Orders (Cnt Distinct)	35 # of Products with Orders (Cnt Distinct)	32 # of Cust with Orders (Cnt Distinct)	33 # of Empl with Orders (Cnt Distinct)	# of Dates with Orders																																																																							
> Total Time	71,000	20	1,000	24	1,000																																																																							
> 2010	23,973	20	999	24	999																																																																							
> 2012	23,885	20	999	23	999																																																																							
> 2011	23,142	20	991	23	999																																																																							



Migration Workflow (phase 1)

Oracle BI 11g -> 12c Upgrade Flow



Overall Steps

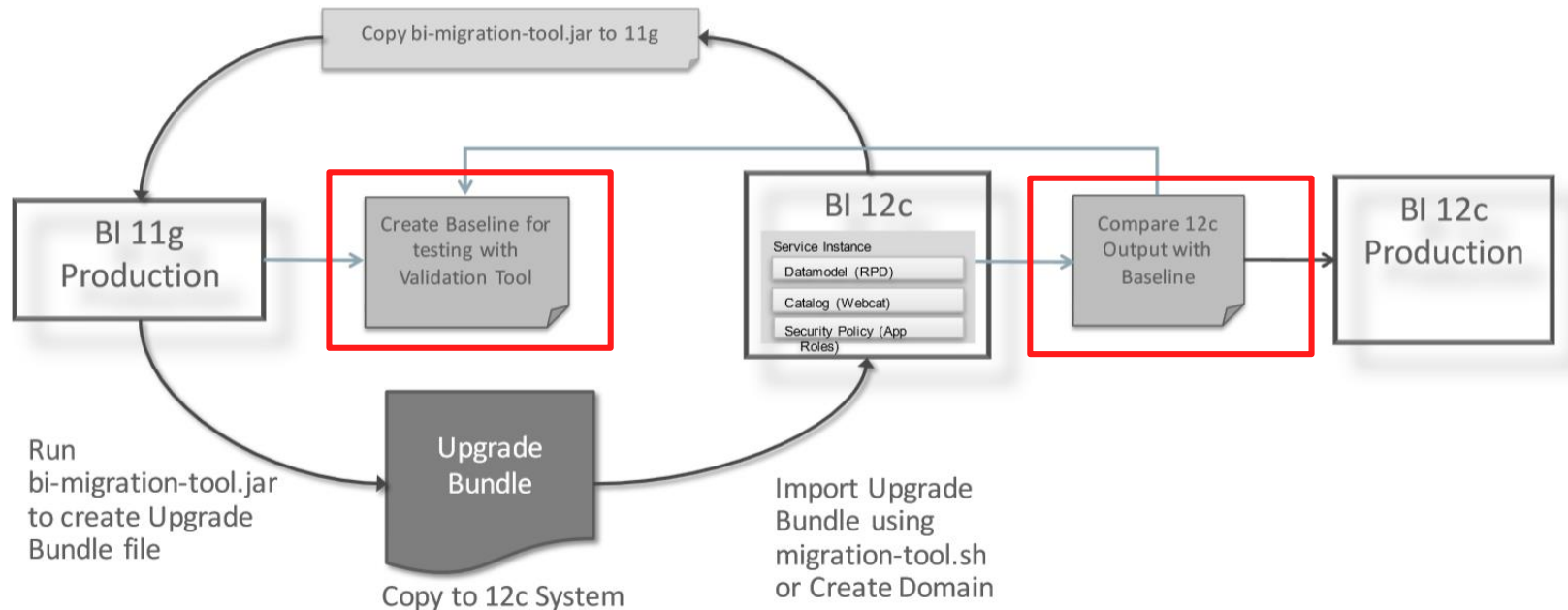
1. Install FMW Binaries
2. Install OBIEE 12c Binaries
3. Copy Migration Tool to Existing 11g system and Run against it
4. Copy upgrade bundle (.jar) back to 12c system and run config.sh* or migration tool to integrated the migrated objects

* You can use configuration tool if new domain, or use migration tool if existing domain



Migration Workflow (phase 2)

Oracle BI 11g -> 12c Upgrade Flow





Migration Steps: Install 12c Software

- 12c Installation Steps:
 - Ensure system certification and platform prerequisites are met
 - Ensure latest supported JDK is available
 - Install Fusion Middleware Infrastructure (java -jar command –not traditional OUI)
 - BI Installer is an executable program
 - Install OBIEE 12c in *Same Home* as FMW infrastructure
 - Run the OBIEE installation program – this will lay down the OBIEE binaries



Migration Steps: Run Migration Tool

- 12c Migration is an out of place migration (i.e. fresh install, not an overlay of existing environments)
 - Copy the migration tool from the OBIEE 12c installation tree to the existing 11g system (this is a command line tool)

Located in:

```
[ORACLE_HOME]/user_projects/domains/bi/bitools/bin/migration-tool.sh
```

- Run the migration tool against the 11g system – this will produce a BI Archive File (jar) that includes the RPD, Webcat, Security and other information packaged up.
- Copy the jar file to a location on the new OBIEE 12c system (it will be used during the configuration of the OBIEE 12c environment)



Migration Steps: Configure OBIEE 12c

- The OBIEE 12c configuration is accomplished with the config tool (config.sh – Linux / config.bat –MS Windows)
 - As OBIEE is configured into a new Weblogic domain, the following information is required)
 - Domain Dir
 - Domain Name
 - Admin Credentials
 - Database connect info
(RCU is run here and requires account with DBA privs to run)
 - Choice of Initial Application
 - Sample App (new from built-in templates)
 - The JAR file you created from the migration tool from 11g

At this point the configuration wizard will run and produce a working new (or migrated) OBIEE 12c instance

Note: if you have already configured a 12c system (i.e. you already have your domain built) you can use a migration script against your jar instead of the config tool



OBIEE 12c Migration

- Overview
- Pre Migration Steps and Considerations
- Migration Steps
- Post Migration Steps OBIEE
- Post Migration Steps for BI Publisher
- Post Migration Steps for Essbase
- OBIEE Administration differences



Post Migration steps for OBIEE

- Manual Operations (optional depending on environment)
 - Migrate Catalog Groups
 - Migrate WLS Security Config Settings / Log configurations etc. from your 11g system
 - Migrate your database connect information
 - Configure Usage tracking
 - Add BI Roles



Post Migration steps for BI Pub

- Migrate BI Publisher Configuration
- Migrate scheduler jobs and history
- Configure passwords for BI Publisher data sources
- BI Publisher Upgrade Tool

Location:

```
ORACLE_HOME\bi\modules\oracle.bi.publisher\BIP12CUpgrade.  
zip
```

Syntax:

```
sh BIP12CUpgrade.sh PATH_TO_ORACLE_HOME  
-export_configuration <Source_BIPDomain_Path>  
<Export_BIP_Directory_Path>
```

```
sh BIP12CUpgrade.sh PATH_TO_ORACLE_HOME  
-import_configuration <Export_BIP_Directory_Path>  
/export_bip <Target_BIPData_Repository_Path>
```



Post Migration steps for Essbase

- Configure thread pool for Essbase
- Configure ESSLANG setting for Essbase server
- Configure modes, ports and cipher suites
- Configure wallets for root, Essbase Server and Essbase Clients
- Import certificates into the key store

For details, refer to:

Oracle® Essbase Database Administrator's Guide 12.2.1.



OBIEE 12c Migration

- Overview
- Pre Migration Steps and Considerations
- Migration Steps
- Post Migration Steps OBIEE
- Post Migration Steps for BI Publisher
- Post Migration Steps for Essbase
- **OBIEE Administration differences**



BI 12c Administration Differences

- Startup / Shutdown are different (no more opmnctl*)
 - Different Locations for scripts

```
(UNIX) DOMAIN_HOME/bin/startManagedWebLogic.sh
      managed_server_name admin_url
(Windows) DOMAIN_HOME\bin\startManagedWebLogic.cmd
      managed_server_name admin_url
```

- Start up application scripts for components

```
startApplication(appName, [options])
stopApplication(appName, [options])
```

*System components are now managed by Weblogic Management Framework



BI 12c Administration Differences

- Single location for WLST

In previous releases, you invoked WLST from different locations, depending on whether you were using the commands for Oracle WebLogic Server, system components, or Java components such as Oracle SOA Suite. In this release, you invoke WLST from:

```
(UNIX) ORACLE_HOME/oracle_common/common/bin/wlst.sh  
(Windows) ORACLE_HOME\oracle_common\common\bin\wlst.cmd
```



BI 12c Administration Differences

- Oracle Home redefined (no middleware home)
- Oracle Web Cache is not a part of Fusion Middleware
- Moving from test to production carried out in a different way
- New commands for process control
- Single enterprise install
(provides both Admin Server and Managed Server)
- Changes to scaling out (simplified clustering)
- New reorganized documentation format



BI 12c Administration Differences

- Moving Between Environments dev-test-prod (metadata (content, data model and authorization))
 - Requires file system privileges
 - Commands run in offline only
 - Read-only for export (source system unchanged)
 - Uses WLST Scripting
 - BI deployments exist in different domains

May be used for:

- Move system to different hardware
- Move to a different operating system
- Move to a different physical location



BI 12c Administration Differences

- To move from a Test to a Production Environment
 - Options:
 - export all (all users / datasources same between systems)
 - export without folder content (user acceptance testing)
 - export without connection pool credentials (test to prod)

```
exportServiceInstance(domainHome, serviceInstanceKey,  
workDir, exportDir, applicationName=None,  
applicationDesc=None, applicationVersion=None,  
includeCatalogRuntimeInfo=false,  
includeCredentials=None)
```

Creates a BI Archive (.bar) file



BI 12c Administration Differences

Example move from a Test to a Production environment

```
exportServiceInstance
```

```
(' /u01/Oracle/Middleware/Oracle_Home/user_projects/domains/bi',  
'ssi', '/u01/workDir', '/u01/exportDir', applicationName=None,  
applicationDesc=None,  
applicationVersion=None, includeCatalogRuntimeInfo=false,  
includeCredentials=None)
```

```
importServiceInstance
```

```
(' /u01/Oracle/Middleware/Oracle_Home/  
user_projects/domains/bi','ssi','/u01/exportDir/ssi.bar')
```



Reorganized Documentation

ORACLE[®] Help Center

Middleware ▾ Search products 🔍 Welcome Brian ▾

< Middleware

Get Started

Tasks

Deploy

Learn More

Books

Oracle Fusion Middleware 12c (12.2.1)

Oracle Business Intelligence - Tasks

Get Started

Release Notes

- [Release Notes for Oracle BI](#)
- [All Fusion Middleware release notes](#)

Learn About Oracle BI

- [Overview](#)

Install Oracle BI

- [Learn about the installation process](#)
- [Install Oracle BI](#)
- [Perform post-installation tasks](#)

Migrate BI EE from an 11g Release

- [Migrate Oracle Business Intelligence](#)

Oracle BI Products

- [Oracle BI Enterprise Edition](#)
- [Oracle BI Publisher](#)

Use Cases and Examples

- [BI EE sample application](#)

Related Documentation

- [Oracle Business Intelligence Mobile Products](#)
- [Oracle Exalytics](#)
- [Oracle Essbase](#)

<http://docs.oracle.com/middleware/1221/bisuite/index.html>

(click Books link to get New Features in Version 12.2.1 section)



Summary of Differences

- OBIEE 12c technical architecture and administration has evolved to:
 - Simplify Installation
 - Align with Oracle Fusion Middleware architecture in general
 - Simplify Migration from earlier releases
 - Establish baselines and support regression testing strategies
 - Simplify daily operations (e.g. startup / shutdown)
 - Simplify movement of environments (lifecycle support)



Month of IOUG BIWA Techcasts

Time	Title
Nov 19 12pm	Oracle BI 12.2.1 New Features
Nov 23 12pm	Fifth Annual OpenWorld 2015 Unauthorized BI and Analytics Scoop Session
Dec 2 12pm	Upgrading from Oracle BI 11g to Oracle BI 12.2.1
Dec 9 12pm	Oracle Data Visualization Cloud Service Live Demo
Dec 16 12pm	Oracle BI 12.2.1 New Features (repeat)

More information and sign up at www.vlamis.com/papers2015/#novdec



Session list is live now!

BIWA Summit 2016, Jan 26-28

Oracle HQ Conference Center

Business Intelligence, Warehousing and Analytics
and Spatial

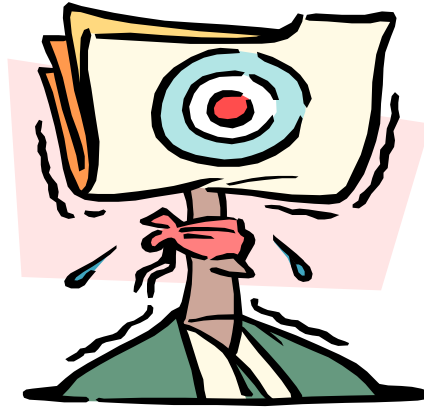
IOUG Special Interest Group

www.biwasummit.org





Questions?



More information on:

VlamiS Software: www.vlamiS.com, dvlamiS@vlamiS.com

IOUG BIWA: www.ioug.org, www.oraclebiwa.org

BIWA Summit 2016: www.biwasummit.org

SampleApp: <http://www.oracle.com/technetwork/middleware/bi-foundation/obiee-samples-167534.html>

OBIEE Doc Getting Started (also see [Books](#) link)

<http://docs.oracle.com/middleware/1221/bisuite/index.html>

OBIEE Doc Complete Library :

<http://docs.oracle.com/middleware/1221/bisuite/docs.htm>

BI Tech Demos by SampleApp team on YouTube

<https://www.youtube.com/user/OracleBITechDemos>