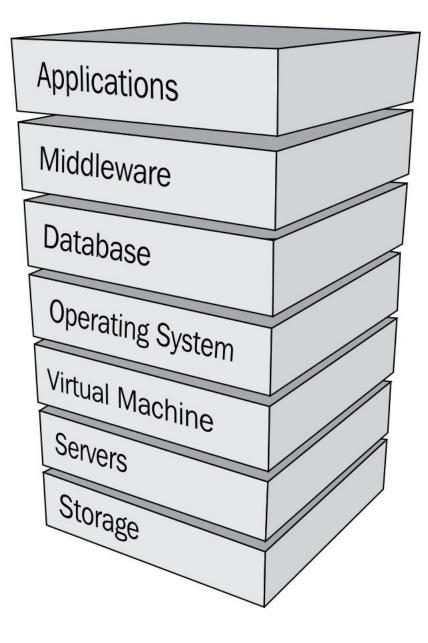
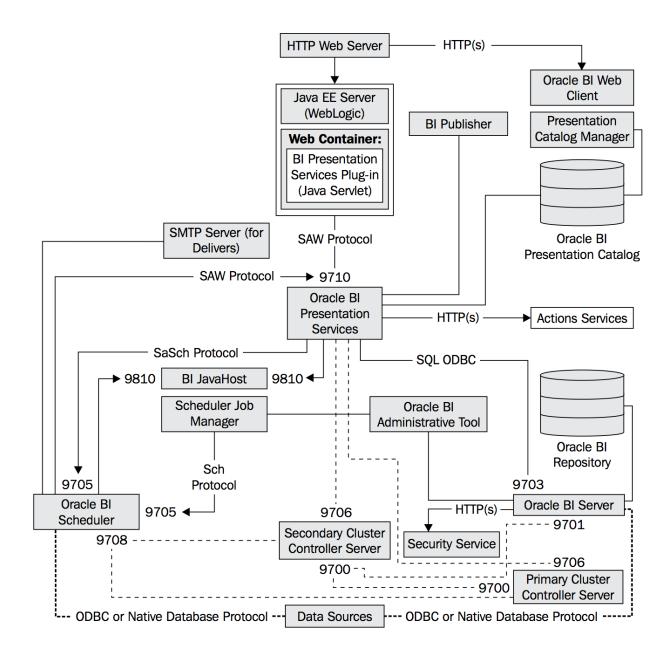
## Chapter 1: Oracle BI 12c Architecture

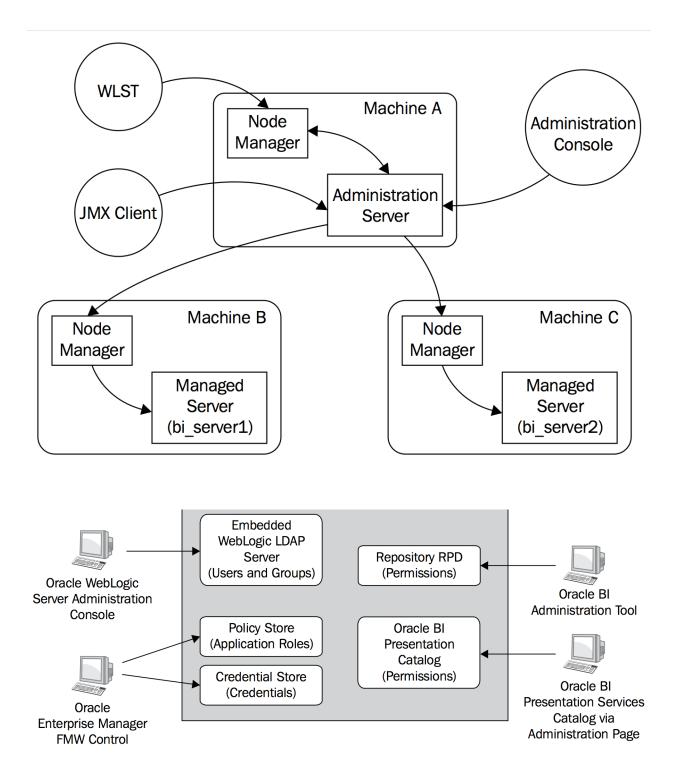
		12c Arcintectur	•				
Oı	acle BI I	Domain					
Admin Server BI System Components BI Server BI Scheduler			Managed Server			Oracle Platform Security Services	
BI System Components			s	End Point Reg		t Registry	Identity Store
	No	BI Server	BI Scheduler	BI Java Host	ODL	DMS	
		Essbase	BI Presentation Server	Cluster Controller	ODE	DMS	WLST
		Configura	tion		Μ	etadata	
	Service Instance						
			Databa	se: RCU Schemas			Policy Store Credential Store

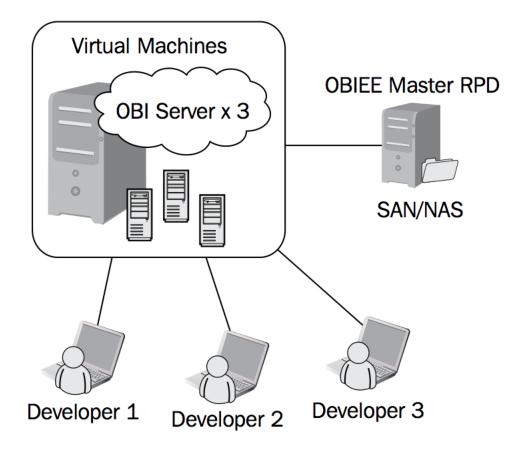
#### Oracle BI 12c Architecture

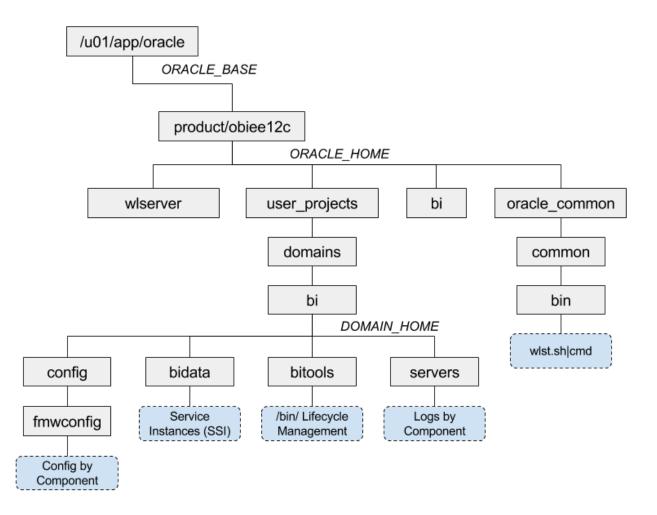


Or	acle BI D		n a Components						
		ouv	Admin Server			Managed	Server		
	ager		WLS Admin Console		Action Service	BI Office	RTD	BI Publisher	
	Man		FMW Control (EM)		Web Service SOA	BI Plugin	VA	Security	
	Node Manager		ystem Components (Weble I Server BI Scheduler	_		work) entation Server	Clus	ter Controller Es	ssbase





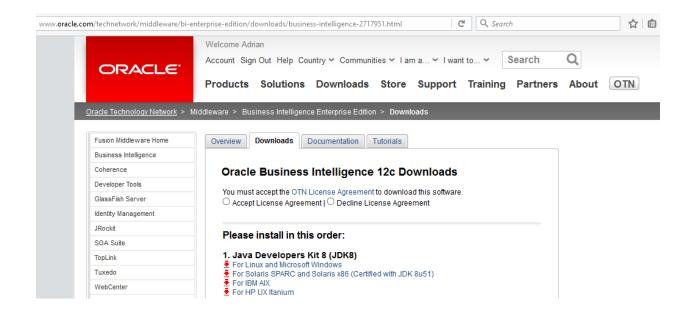




	•	<sup>™</sup> License Agreeme ement   ◯ Decline L			
Please	install in	this order:			
➡ For Lii ➡ For So ➡ For IB	nux and Microsolaris SPARC a	Kit 8 (JDK8) oft Windows ind Solaris x86 (Cer	tified with JD	K 8u51)	
	Logic Serve	r			
3. Orac	le Business	Intelligence 12c	(12.2.1.0.0	))	

➡ File 1 (2.1 GB)
 ➡ File 2 (1.4 GB)

## **Chapter 2: Installing the Prerequisite Software**



## Java SE Downloads





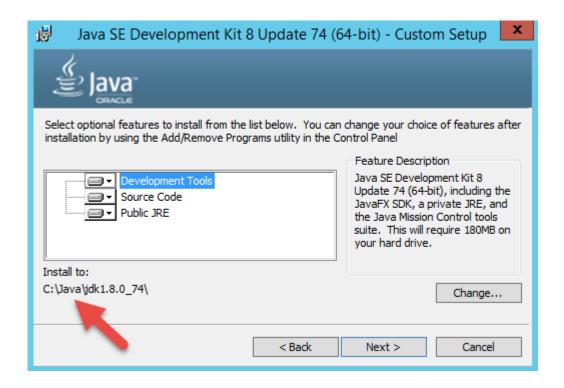
Java Platform (JDK) 8u73 / 8u74

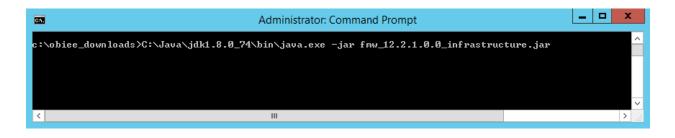
NetBeans with JDK 8



SSD4 (C:) ➤ obiee_downloads				
Name	Date modified	Туре	Size	
fmw_12.2.1.0.0_bi_windows64_Disk1_1of2.zip	26/10/2015 15:45	Compressed (zipp	1,592,812 KB	
fmw_12.2.1.0.0_bi_windows64_Disk1_2of2.zip	28/10/2015 08:09	Compressed (zipp	1,446,228 KB	
fmw_12.2.1.0.0_infrastructure_Disk1_1of1.zip	26/10/2015 15:44	Compressed (zipp	1,498,211 KB	
idk-8u74-windows-x64.exe	12/03/2016 14:27	Application	191,803 KB	
Setup_BI_Client_12.2.1.0.0_Windows.X64.zip	08/11/2015 18:07	Compressed (zipp	691,725 KB	

Name	Date modified	Туре	Size
fmw_12.2.1.0.0_bi_windows64_Disk1_1of2.zip	26/10/2015 15:45	Compressed (zipp	1,592,812 KB
Imw_12.2.1.0.0_bi_windows64_Disk1_2of2.zip	28/10/2015 08:09	Compressed (zipp	1,446,228 KB
🕌 fmw_12.2.1.0.0_infrastructure.jar	13/03/2016 09:43	Executable Jar File	1,498,336 KB
Imw_12.2.1.0.0_infrastructure_Disk1_1of1.zip	26/10/2015 15:44	Compressed (zipp	1,498,211 KB
idk-8u74-windows-x64.exe≦	12/03/2016 14:27	Application	191,803 KB
Setup_BI_Client_12.2.1.0.0_Windows.X64.zip	08/11/2015 18:07	Compressed (zipp	691,725 KB
setup_bi_client-12.2.1.0.0-20151015073141-win64	13/03/2016 09:44	Application	692,575 KB
setup_bi_platform-12.2.1.0.0_win64.exe	13/03/2016 09:29	Application	1,593,684 KB
🚹 setup_bi_platform-12.2.1.0.0_win64-2.zip	13/03/2016 09:30	Compressed (zipp	1,446,228 KB





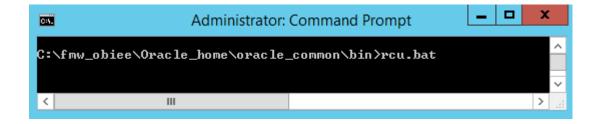
Ora Ora	cle Fusion Middleware 12c Infrastructure Installation - Step 3 of 8
Installation Location	
<u>Welcome</u>	Oracle Home:
Auto Updates	C:\fmw_obiee\Oracle_home
Installation Location	Feature Sets Installed At Selected Oracle Home: View
Installation Type	
Prerequisite Checks	
Installation Summary	
Installation Progress	
Installation Complete	
	Oracle Home may only contain alphanumeric, underscore (_), hyphen (-) or dot(.) characters and it must begin with an alphanumeric character.
Help	< <u>Back</u> <u>Next</u> <u>Finish</u> Cancel

0	Oracle Fusion Middleware 12c Infrastructure Installation - Step 5 of 9	x
Prerequisite Check		)
φ <u>Welcome</u>		
Auto Updates	100%	
Installation Location		_
Installation Type	Checking operating system certification	_
Prerequisite Checks	Checking Java version used to launch the installer	_
Security Updates		_
Installation Summary		_
Installation Progress		_
Installation Complete		_
	Stop     Rerun     Skip     ✓ View Successful Tasks     View L	.og
Help	< <u>B</u> ack <u>N</u> ext > <u>F</u> inish Car	ncel

Oracle Fusi	on Middleware 12c Infrastructure Installation - Step 8 of 9
Installation Progress	
Y Welcome	
Auto Updates	100%
Installation Location	Prepare
Installation Type	Сору
Prerequisite Checks	Generating Libraries
🍳 Security Updates 🛛 🖌	Performing String Substitutions
🍦 Installation Summary 🖌	Linking
Installation Progress	Setup
Installation Complete	Saving the inventory
✓	Post install scripts
Vie	w Messages ✓ View Successful Tasks View Log Hardware and Software Engineered to Work Together
Help	< <u>Back</u> <u>Mext</u> > <u>Finish</u> Cancel

Orac Orac	cle Fusion Middleware 12c Infrastructure Installation - Step 9 of 9
Installation Complete	
9 Welcome	🗧 Install Oracle Fusion Middleware 12c Infrastructure
Auto Updates	Installation Location
Q Installation Location	Oracle Home Location: C:\fmw_obiee\Oracle_home
Installation Type	Log File Location: C:\Users\Administrator\AppData\Local\Temp\1\OraInstall2016-03-13_10-07-01AM\inst all2016-03-13_10-07-01AM.log
Prerequisite Checks	Feature Sets Installed Successfully
Security Updates	
Installation Summary	
Installation Progress	
Installation Complete	
	Oracle Fusion Middleware 12c Infrastructure installation completed successfully
Help	< Back Next > Finish Cancel

File Home Share View					$\sim$
🕞 🐵 👻 🏦 🕌 🕨 This PC 🕨	SSD4 (C:) → fmw_obiee → Oracle_home →		✓ C Search O	racle_home	م,
⊿ 🏭 SSD4 (C:)	^ Name	Date modified	Туре	Size	
🛛 📗 apps	.patch_storage	13/03/2016 10:40	File folder		
🛛 📗 dell	b cfgtoollogs	13/03/2016 10:39	File folder		
I downloads	Coherence	13/03/2016 10:32	File folder		
Dropbox	📗 em	13/03/2016 10:33	File folder		
4 🍌 fmw_obiee	📕 install	13/03/2016 10:38	File folder		
⊿ ↓ Oracle_home	inventory	13/03/2016 10:39	File folder		
Image is a standard in the	OPatch	13/03/2016 10:33	File folder		
Image: Second	oracle_common	13/03/2016 10:33	File folder		
b b coherence	— 🕛 oui	13/03/2016 10:34	File folder		
▷ 퉲 em	📗 wlserver	13/03/2016 10:33	File folder		
install					
Inventory OPatch					
Deatch Image: Part of the second s					
▷ iii oracie_common					
≥ iii oui ≥ iii wlserver	~				





0			Welcome - Step 3 of 7
Re	pository Creation Utili	ty	
	Welcome Create Repository Database Connection Details	<u>D</u> atabase Type: Uni <u>c</u> ode Support:	Microsoft SQL Server   Yes
-999-	Select Components Schema Passwords Summary	<u>S</u> erver Name:	localhost Enter hostname or ip address or complete servername in host\server format.
Ó	Completion Summary	P <u>o</u> rt: Da <u>t</u> abase Name:	1433 obiee_book Database Name is case-sensitive
		<u>U</u> sername:	obiee_sa User with DBA or SYSDBA privileges, Example:sys
C	Help	Password:	entropy and the second seco

Automatic			
Containment			
Cursor			
FILESTREAM			
4 Miscellaneous			
Allow Snapshot Isolation	True		
ANSI NULL Default	Taise		
ANSI NULLS Enabled	False		
ANSI Padding Enabled	False		
ANSI Warnings Enabled	False		
Arithmetic Abort Enabled	False		
Concatenate Null Yields Null	False		
Cross-database Ownership Chaining Enabled	False		
Date Correlation Optimization Enabled	False		
Dulayed Darability	Disubled		
Is Read Committed Snapshot On	True		
N	5.1		
Parameter Noana-Abon	i disc		
Parameterization	Simple		
Quoted Identifiers Enabled	False		
Recursive Triggers Enabled	False		
Trustworthy	False		
VarDecimal Storage Format Enabled	True		
A Recovery			

## Repository Creation Utility - Checking Prerequisites

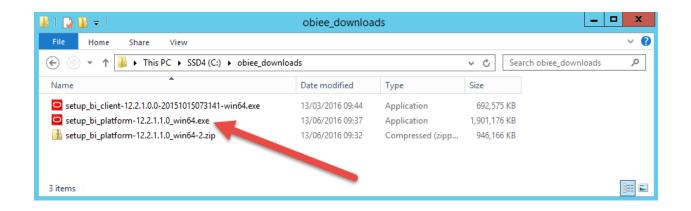
x

Metadata Services	00:00.219(ms)
WebLogic Services	00:00.110(ms)
Common Infrastructure Services	00:00.110(ms)
Oracle Platform Security Services	00:00.109(ms)
Audit Services	00:00.109(ms)
Audit Services Append	00:00.110(ms)
Audit Services Viewer	00:00.110(ms)
eration completed. Click OK to continue to next page.	

0	Welcome	- Step 5 of 8		_ 🗆 🗙	
Repository Creation I	Jtility				
y <u>Welcome</u>	ary schema users.				
Create Repository	Use same passwords for all schem	las			
Database Connection Details	O Use <u>m</u> ain schema passwords for a	uxiliary schemas			
<u>Select Components</u> <u>Specify different passwords for all schemas</u>					
Schema Passwords	Component Schema Owner Schema Password			Confirm Password	
Map Tablespaces	Metadata Services	BOOK MDS	*******	******	
	WebLogic Services	BOOK WLS	******	******	
<u>Summary</u>	Auxiliary Schema	BOOK WLS RUNTIME	******	******	
O Completion Summary	Common Infrastructure Services	BOOK_STB	******	******	
	Oracle Platform Security Services	BOOK_OPSS	******	******	
	Audit Services	BOOK_IAU	******	******	
	Audit Services Append	BOOK_IAU_APPEND	******	******	
	Audit Services Viewer	BOOK_IAU_VIEWER	*******	•••••	
Help			< <u>B</u> ack <u>N</u> ext >	Einish Cancel	

			Step 7 of 7		
Repository Creation Ut	tility				
Welcome	Database details:	:			
Create Repository	Host Name	localhost			
Database Connection Details	Port	1433			
Select Components	Database Name	obiee_book			
C Schema Passwords	Connected As	obiee_sa			
	Operation	System and Data I	Load concurrently		
ý Summary	Execution Time	1 minute 16 seco	nds		
Completion Summary					
	RCU Logfile	C: \Users \Administ	trator \AppData \Local	\Temp\1\RCU2016-03-13_1	4-03_16215544\ogs\rcu.log
	Component Log Directory	C: \Users \Administ	trator \AppData \Local	\Temp\1\RCU2016-03-13_1	.4-03_16215544\jogs
	View Log	rcu.log			
	Prefix for (prefixable) Sche	воок			
		Component	Status	Time	Logfile(Click to view)
	Metadata Service		Success	00:10.045(sec)	mds.log
	WebLogic Service Common Infrastr		Success Success	00:09.644(sec) 00:09.143(sec)	wls.log stb.log
	Oracle Platform S		Success	00:09.143(sec) 00:11.254(sec)	opss.log
	Audit Services	,,	Success	00:09.383(sec)	iau.log
	Audit Services Ap		Success	00:09.100(sec)	iau_append.log
	Audit Services Vie	ewer	Success	00:09.108(sec)	iau_viewer.log

## **Chapter 3: Installing the Windows Server 2012**



0	Oracle Business Intelligence 12c - Step 1 of 8
Welcome	
🥥 Welcome	
Auto Updates	Welcome to Oracle Business Intelligence 12c (12.2.1.0.0) Installer.
Installation Location	At any time during the installation, you can view the Release Notes for additional information. Context
Installation Type	sensitive help is available at any time by selecting Help.
Prerequisite Checks	
Installation Summary	
Installation Progress	
Installation Complete	
	Copyright © 1999, 2015, Oracle and/or its affiliates. All rights reserved.
Help	< <u>Back</u> <u>Next</u> > <u>Finish</u> Cancel

0	Oracle Business Intelligence 12c -	Step 2 of 8
Auto Updates		
Welcome		
Auto Updates	<ul> <li>Skip <u>A</u>uto Updates</li> </ul>	
Installation Location	<ul> <li>Select patches from <u>directory</u></li> </ul>	
Installation Type	Location:	Browse
Prerequisite Checks	○ Search My Oracle Support for Updates	
Installation Summary	Username:	
Installation Progress	Password:	
i O Installation Complete	Proxy Settings	Test Connection
	Search	
Help	1	< Back Next > Einish Cancel

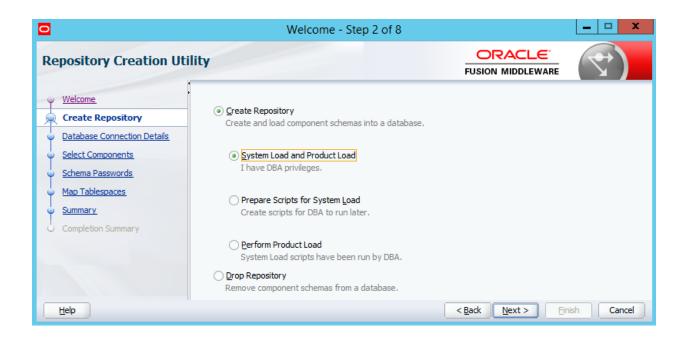
0		Oracle Business Intelligence 12c - Step 3 o	f 8	_ 🗆 🗙
In	stallation Location			
Ŷ	Welcome	Oracle Home:		
φ	Auto Updates	C:\fmw_obiee\Oracle_home		▼ Browse
9	Installation Location	Feature Sets Installed At Selected Oracle Home: View		
ψ	Installation Type	Oracle Fusion Middleware 12c Infrastructure 12.2.1.0.0		
Ļ	Prerequisite Checks	Core Server		
ψ	Installation Summary	Core Application Server 12.2.1.0.0 Coherence Product Files 12.2.1.0.0		
Ŷ	Installation Progress	Web 2.0 HTTP Pub-Sub Server 12.2.1.0.0		ACLE MIDDLEWARE Browse
Q	Installation Complete	WebLogic SCA 12.2.1.0.0		
		WebLogic Client Jars 12.2.1.0.0		
		Administrative Tools		
		<ul> <li>Database Support</li> </ul>		
		Thirdparty JDBC Drivers 12.2.1.0.0		
		Open Source Components		
		Fusion Middleware Maven Support 12.2.1.0.0		
		JRF and Enterprise Manager		
		WLS for FMW 12.2.1.0.0		
		Oracle Automatic Diagnostic Repository Feature Set Group	p	
		FMW Platform Generic 12.2.1.0.0		
		OPatch 13.3.0.0.0		
		Toplink Developer 12.2.1.0.0		
		The Oracle Home C:\fmw_obiee\Oracle_home will be used for all	Oracle Feature Sets in this inst	allation.
		This page only shows Feature Sets installed at the selected Orac It does not show Feature Sets installed anywhere else.	cle Home.	
	Help		< <u>Back Next &gt; F</u>	inish Cancel

0	Oracle Business Intelligence 12c - Step 4 o	of 8	- • X
Installation Type			
<u>Welcome</u> <u>Auto Updates</u> <u>Installation Location</u>	<ul> <li>BI Platform Distribution</li> <li>BI Platform Distribution with Samples</li> </ul>		
Installation Type    Prerequisite Checks  Installation Summary  Installation Progress	<ul> <li>bi_platform 12.2.1.0.0</li> <li>BI Platform</li> <li>BI Platform Suite Configuration 12.2.1.0.0</li> <li>BI Enterprise Edition 12.2.1.0.0</li> </ul>		
Installation Complete	BI Publisher 12.2.1.0.0 BI Essbase 12.2.1.0.0 BI EPM 12.2.1.0.0 BI Platform Core 12.2.1.0.0		
	BI Platform Schema 12.2.1.0.0 BI Platform Samples 12.2.1.0.0		
Help		< <u>B</u> ack Next > Eir	ish Cancel

0	Oracle Business Intelligence 12c - Step 5 of 8	<b>– – ×</b>
Prerequisite Checks		
♀ <u>Welcome</u>		
Auto Updates	100%	
Installation Location	Checking operating system certification	Business intelligence 12C - Step 5 or 8         Image: Colspan="2">Colspan="2" Colspan="2" Colspa="2" Colspa="2" Colspan="2" Colspan="2" Colspan="2" Cols
Installation Type	Checking physical memory	
Prerequisite Checks	Checking Java version used to launch the installer	
Installation Summary		
Installation Progress		
Installation Complete	Iates       100%         n Location <ul> <li>Type</li> <li>Checking operating system certification</li> <li>Checking physical memory</li> <li>Checking Java version used to launch the installer</li> <li>Checking Java version used to launch the installer</li> <li>Checking Java version used to launch the installer</li> <li>Stop Rerun Skip</li> <li>View Successful Tasks</li> <li>View Log</li> </ul>	
- G		View <u>L</u> og
Help	< Back Next >	Einish Cancel

🔩 Microsoft Visual C++ 2010 x64 Redistributable Mainte 💻	
Microsoft Visual C++ 2010 x64 Redistributable Maintenance You can repair your installation or remove it from this computer.	ø
Please, select one of the following options: <ul> <li>Repair Microsoft Visual C++ 2010 x64 Redistributable to its original state.</li> <li>Remove Microsoft Visual C++ 2010 x64 Redistributable from this computer.</li> </ul>	
<u>N</u> ext >	Cancel

0	Oracle Business Intelligence 12c - Step 7 of 8
Installation Progress	
Q Welcome	
Auto Updates	100%
Installation Location	V Prepare
Installation Type	🖌 Сору
Prerequisite Checks	✓ Generating Libraries
Installation Summary	V Performing String Substitutions
Installation Progress	V Linking
Installation Complete	Setup
	Saving the inventory
	V Post install scripts
	View Messages     ✓ View Successful Tasks     View Log
	Applications
	Driving Profitable Growth
Help	< <u>Back</u> <u>Next</u> > <u>Finish</u> Cancel



		Welcome - Step 3 of 7
Repository Creation Utility		
Create Repository	<u>D</u> atabase Type: Uni <u>c</u> ode Support:	Microsoft SQL Server
Select Components	Server Name:	localhost Enter hostname or ip address or complete servername in host\server format.
Completion Summary	P <u>o</u> rt:	1433
	Da <u>t</u> abase Name:	obiee_book Database Name is case-sensitive
	<u>U</u> sername:	obiee_sa User with DBA or SYSDBA privileges. Example:sys
Нер	Password:	< <u>Back</u> <u>Next</u> > <u>Einish</u> Cancel

1	Welcor	ne - Step 4 of 7	l	- 🗆 🗙
elect Components				$ \mathbf{Y} $
Welcome	Specify a unique prefix for all sche schemas later.	emas created in this session, s	o you can easily locate, reference, and	manage the
Create Repository				
Database Connection Details	Select existing prefix:	воок		•
Select Components	Create new prefix:			
Schema Passwords	<u>Create new prenx.</u>	Alpha pumeric oply. Cap	not start with a number. No special cha	racters
<u>Summary</u>		April Hameric only. Car	not start mana namber no special ena	detero.
Completion Summary	Component		Schema Owner	
	AS Common Sch			-
	Metadata Ser	ices	BOOK_MDS	
	WebLogic Se	vices	BOOK_WLS	
	Common Infr	astructure Services	BOOK_STB	
	Oracle Platfor	m Security Services	BOOK_OPSS	
	Audit Services		BOOK_IAU	
	Audit Services	Append	BOOK_IAU_APPEND	
	Audit Services	Viewer	BOOK_IAU_VIEWER	
	🗆 🗹 Oracle Business	Intelligence		
	🗹 Business Inte	lligence Platform	BOOK_BIPLATFORM	-
Help			< <u>Back N</u> ext > Finish	Cancel

0	V	_ 🗆 X		
Repository Creation Uti		)		
↓ <u>Welcome</u> ↓ <u>Create Repository</u>	Define passwords for mair Use same passwords f	n and auxiliary schema users. for all schemas		
Database Connection Details     Select Components     Schema Passwords	Password:	Alpha numeric only.Cannot start with a num No special characters except: \$, # ,	] ber.	
Completion Summary		words for auxiliary schemas words for all schemas	]	
Help			< Back Next > Fini	sh Cancel

	Welcome - St	_ 🗆 X							
Repository Creation Ut	ility								
y <u>Welcome</u>	Database details:								
Create Repository	Host Name	localhost							
Database Connection Details	Port	1433							
Select Components	Connected As	obiee_sa							
Schema Passwords	Operation	System and Data Load concurrently							
Summary	Prefix for (prefixable) Schema Owners	BOOK							
O Completion Summary	1								
	Component	Schema Owner	Default Database						
	Business Intelligence Platform	BOOK_BIPLATFORM BIPLATFORM							
	Save <u>R</u> esponse File								
Help		< Back	ext > Create Cancel						

0	Oracle Business Intelligence 12c Configuration Assistant - Step 1 of 9
Welcome	
Welcome     Prerequisite Checks	Welcome to Oracle Business Intelligence 12c 12.2.1.0.0 Configuration.
Define New Domain     Database Details	You are about to configure the components contained in Oracle Business Intelligence Enterprise Edition. At any time during the configuration, you can view the <u>Release Notes</u> and <u>Quick Tour</u> for additional information. Context-sensitive help is available by clicking Help.
Port Management     Initial Application	For more information, refer to the Oracle Business Intelligence configuration section in the Oracle Fusion Middleware Installation Guide for Oracle Business Intelligence.
Configuration Progress	
Configuration Complete	Components to include    Essbase   Business Intelligence Enterprise Edition
	Business Intelligence Publisher
Help	Select the components to configure as part of the installation process.

Or	acle Business Intelligence 12c Cont	iguration Assistant - Step 3 o	of 9 📃 🗖 🗙
Define New Domain			
<u>Welcome</u>	The domain is the basic unit of Web	Logic administration. All BI components i	reside in one domain. The
Prerequisite Checks	domain needs a place to store files,	-	
Define New Domain	The domain files include configuration	on files, log files, and data files.	
<u>Database Details</u>	The credentials define the initial adm	inistrator account. For security reasons	s no other default accounts
Port Management		to create inidvidual accounts for your u	
Initial Application	Location of new domain		
Summary	Location of new domain		
Configuration Progress	Domains Directory C:\fmw_obie	e\Oracle_home\bi\bin\\\user_projec	Browse
Configuration Complete	Domain Name bi		
	Domain Home C:\fmw_obie	e\Oracle_home\bi\bin\\\user_projects	\domains\bi
	Credentials for new domain		
	Username weblogic		
	Password ••••••	•	
	Confirm Password	•	
	Confirm the password by entering it again The password must be a minimum of 8 a character, use only alphanumeric, under	nd not exceed 30 alphanumeric charact score (_), dollar (\$) or pound (#) charac	cters and include at least 1 digit.
Help		< <u>B</u> ack	<u>N</u> ext > <u>F</u> inish Cancel

0		Oracle Business Intelligence 12c Configuration Assistant - Step 4 of 9
D	atabase Schema	
000-0-0-000	Welcome         Prerequisite Checks         Define New Domain         Database Details         Port Management         Initial Application         Summary         Configuration Progress	Database schemas are required for storage of internal housekeeping information. These schemas are distinct from any data sources which you plan to analyse in Bl. The simplest option is to create new database schemas here. Alternatively you can use existing schemas you created earlier using the Repository Creation utility (RCU). Using RCU in advance gives you aditional options, such as choosing tablespaces. RCU is available in directory C:\fmw_obiee\Oracle_home\bi\bin\\.\oracle_common\bin. Create new schemas I Use existing schemas
9	Configuration Complete	Database type Microsoft SQL Server
		SQL Server connect string localhost:1433:obiee_book Prefix BOOK Password ••••••• Enter the connect string for a Microsoft SQL Server database To specify a named instance of Microsoft SQL Server, use the format hostname\instance:databasename. Otherwise use hostname:port.databasename for the instance on a given port.
C	Help	<pre>given port. </pre>

0	Oracle Business Intelligence 12c Configuration Assistant -	Step 5 of 9	_ 🗆 X
Port Range			
↓ Welcome → Prerequisite Checks	Choose the port range for BI and WLS processes to use.		
Uefine New Domain	Port Range		
Database Details	Port Range Starting Port 9500		
Port Management	Port Range End Port 9999		
Initial Application			
y <u>Summary</u>			
Configuration Progress			
Configuration Complete			
	The very first port that will be used when allocating port numbers		
Help	<	Back <u>N</u> ext > Fir	nish Cancel

0	Oracle Business Intelligence 12c Configuration Assistant - Step 6 of 9
Initial Application	
Welcome	Choose the application that will be installed into your inital service instance. This can be the default
Prerequisite Checks	sample application, an application archive exported from another BI installation or you can choose to start
Define New Domain	with a clean slate.
Database Details	Oracle sample application (SampleAppLite)
Port Management	O Your own existing BI Application from export bundle (.jar file)
Initial Application	Clean Slate (no predefined application)
ummary	
Configuration Progress	
Configuration Complete	
	Choose the application to be installed into your initial service instance.
Help	< <u>Back</u> <u>Next</u> > <u>Finish</u> Cancel

0	Oracle Business Intelligence 12c Configuration Assistant - Step 7 of 9	<b>–</b> 🗆 X
Summary		
<ul> <li>Welcome</li> <li>Prerequisite Checks</li> <li>Define New Domain</li> <li>Database Details</li> <li>Port Management</li> <li>Initial Application</li> <li>Summary</li> <li>Configuration Progress</li> <li>Configuration Complete</li> </ul>	Configure Components Essbase BIEE OBIPS (Port 9507) Cluster controller (Main port 9508, monitor 9509) Java host (Port 9510) Scheduler (Main port 9511, monitor 9512, script 9513) BIP Domain BI Domain BI Domain BI Domain Name: bi Domains Directory: C:\fmw_obiee\Oracle_home\bhbin\\user_projects\domains Admin server (HTTP port 9500, HTTPS 9501, internal 9504) Managed server (HTTP port 9502, HTTPS 9503, internal 9505) Click Save to generate a response file used for silent installation.	
Help	< <u>B</u> ack <u>N</u> ext > <u>C</u> onfigure	Cancel

Our la Buris en la tallisera en Ci		_ <b>□</b> ×
Oracle Business Intelligence Si		a n ge ≡
	ss Intelligence	Help
	Sign In Enter your user id and password. User ID Password Sign In Accessibility Mode	
Copyright © 1997, 2015, Oracle an	About Product	

# Chapter 4: Reviewing the Features of the Reporting Repository

		Search All	•	Q Advanced	d Administration Help 🔻 Sign Out 🚥
Home		Home Catalog	Favorites <b>v</b>	Dashboards   New	Open      Signed In As weblogic
Create	Recent				
Data Exploration & Discovery Visual Analyzer Projects	Dashboards QuickStart - Sales Summary Open Edit More ▼				
Analysis and Interactive Reporting Analysis Dashboard More	Most Popular				
Mobile Application Mobile App	1 No recommendations are currently available Download BI Desktop Tools	e. Most Popular items will b	e displayed here wh	en results become available.	Go to the New Home Page
Published Reporting Report Report Job More					
Actionable Intelligence Agent Action					
Performance Management Scorecard KPI KPI Watchlist					
Marketing Segment Segment Tree List Format					
Jobs					
Marketing Jobs					
Report Jobs Report Job History					

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Analysis and Interactive Reporting Analysis Dashboard More	Most Popular					
Mobile Application Mobile App	No recommendations are currently availab Download BI Desktop Tools	le. Most Popular items will be o	displayed here whe	en results become available.	Got	the New Home Page
Published Reporting Report Report Job More						the New Home Page
Actionable Intelligence						
Performance Management Scorecard KPI KPI Watchlist						
Marketing Segment Segment Tree List Format						
Jobs						
Marketing Jobs						
Report Jobs Report Job History						

ORACI	LE Business In	ntelligence							Sear	ch All	•		٩	Advanced	Administrati	ion Help 🔻	Sign	Out 🚥
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User View 🔻	là • 9 🖬 🕯	• < ≣	•	B. /		2 v 3	K @ I	Locatio	on /My Folder	s					•][(	Show Hidder	n Items	0
Folders	E a	Туре	All		▼ Sort	Name A-2	z	•	Show Mor	e Details								
My Foil     My I Shared     Shared     My I Shared     Shared     Sare	Dashboard Folders nponents		<b>!!</b>	My Dashb Expand Op			ed 4/11/201	16 12:10:53	AM Owner	weblogic								
Tasks																		
My Folders																		
Expand	Archive																	
RSS	Unarchive																	
X Delete	1 Upload																	
📗 Сору	Properties																	
E]] Rename	Permissions	▶ Pr	eview															

DRACLE <sup>®</sup> Business Intelligence	Search All 🔹	Advanced Administration Help  Sign Out
ome	Home Catalog Favorites ▼ Dashboards ▼	New  Open  Signed In As weblogic
Create	Recent	Data Exploration & Discovery
Data Exploration & Discovery Visual Analyzer Projects	Dashboards My Dashboard - page 1 Open Edit More ▼	Visual Analyzer Projects Analysis and Interactive Reporting Analysis
Analysis and Interactive Reporting Analysis Dashboard More	Most Popular	Dashboard     Filter
Mobile Application Mobile App	No recommendations are currently available. Most Popular items will be displayed here when results becom Download BI Deaktop Tools	Dashboard Prompt
Published Reporting Report Report Job More ▼		Condition Mobile Application
Actionable Intelligence		Published Reporting
Performance Management Scorecard KPI KPI Watchlist		Eport
Marketing Segment Segment Tree List Format		Data Model
Jobs		Sub Template
Marketing Jobs		Actionable Intelligence
Report Jobs		Action
Report Job History		Performance Management
		Scorecard

	Home	Catalog	Favorites 🔻	Das	hboards 🔻	New <b>v</b>	Open
Recent							
Dashboards							
My Dashboard - page 1							
Open Edit More							
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Open Edit More							

Most Popular

() No recommendations are currently available. Most Popular items will be displayed here when results become available.

Download BI Desktop Tools 🔻

Go to the New Home Page

ministration	Home Catalog Favorites  Dashboards  New  Open  Signed In As weblogic
Vracle Business Intelligence Product Version <b>12.2.1.0.0 (Build BIPS-20151008013645 64-bit)</b> Physical Presentation Catalog Path C:\frmw_obiee\Oracle_home\user_projects\domains\bi\bidata\service_in Vracle BI Server Data Source AnalyticsWeb Valiable Paging Memory (MB) 3306 Valiable Virtual Address Space (MB) 134216844 Maintenance Mode is currently off.	stances\ssi\metadata\content\catalog\voot
Security	Map Data Management
Manage Catalog Groups Create, edit and delete Catalog Groups. Manage Catalog Users	Manage Map Data Manage layers, background maps and images.
View and delete Catalog Users. Manage Privileges Manage privileges and rights given to users and groups.	Marketing Manage Marketing Jobs View background marketing jobs and database cache result sets.
Session Management Manage Sessions View Oracle Business Intelligence session information including active users and queries.	Manage Marketing Defaults Manage the default settings such as Default Campaign Load Format and Default Global Audience for Marketing.
Manage Agent Sessions View Agent session information including Agent state and recipients.	BI Publisher
Aaintenance and Troubleshooting	Manage BI Publisher Manage BI Publisher data sources, scheduler configuration, delivery destinations, and runtime properties.
Manage Device Types Create, edit, view or delete Device Types.	BI Mobile App Designer
Toggle Maintenance Mode Maintenance Mode is currently off. Reload Files and Metadata Reload XML message files, refresh server metadata, and clear caches.	Manage BI Mobile App Designer Manage BI Mobile App Designer data sources, server configuration, runtime properties, and plugins.
Reload the logging configuration after update.	BI Search
Default  Issue SQL irectly to Oracle BI Server.	Configure Crawl Setup BISearch Data Model and Web Catalog crawl.
Scen and Update Catalog Objects That Require Updates Scan the catalog and update any objects that were saved with earlier versions of Oracle Business Intelligence.	Monitor Crawl Monitor and Stop Data Model and Web Catalog crawls.

dministration		Home Catalog	Favorites <b>v</b> Dashboards <b>v</b>
anage Privileges			
This page allows you to vie	w and administer privileges associated with various component	s of Oracle Business Intelligence.	
	Access to Dashboards	BI Consumer	
	Access to Answers	BI Content Author	
	Access to BI Composer	BI Content Author	
	Access to Delivers	BI Content Author	
	Access to Briefing Books	BI Consumer	
	Access to Mobile	BI Consumer	
	Access to Administration	BI Service Administrator	
	Access to Segments	BI Consumer	
Access	Access to Segment Trees	BI Content Author	
	Access to List Formats	BI Content Author	
	Access to Metadata Dictionary	BI Content Author	
	Access to Oracle BI for Microsoft Office	BI Consumer	
	Access to Oracle BI Client Installer	BI Consumer	
	Catalog Preview Pane UI	BI Consumer	
	Access to Export	BI Consumer	
	Access to KPI Builder	BI Content Author	
	Access to Scorecard	BI Consumer	
	Create Navigate Actions	BI Consumer	
Actions	Create Invoke Actions	BI Content Author	
	Save Actions containing embedded HTML	BI Service Administrator	
Admine Catalon	Change Permissions	BI Content Author	
Admin: Catalog	Toggle Maintenance Mode	BI Service Administrator	

Access	to Dashboards	BI Consumer
Acces		s 🔞 )
Acces	Privilege: Access to Dashboards	s <b>y</b> ,
Acces	Hive: Access	
Acces		
Acces	Permissions	(+)» • ×
Acces	Accounts	Permissions
Acces		
Acces	💦 BI Consumer	Granted
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Create		OK Cance

### **Session Management**

#### Manage Sessions

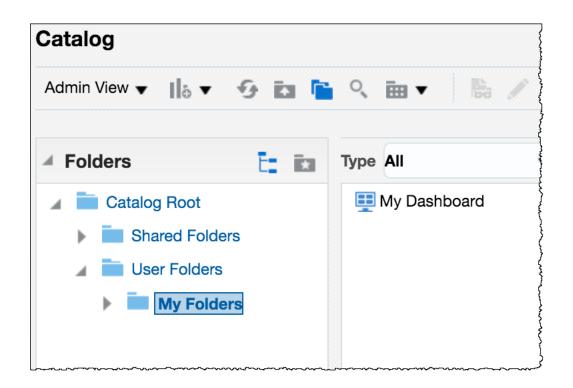
View Oracle Business Intelligence session information including active users and queries.

#### Manage Agent Sessions

View Agent session information including Agent state and recipients.

	elligence	Search All	Q Advanced Administration Help ▼ Sign Out	
Catalog		Home Catalog Favorites V	Dashboards ▼ New ▼ Open ▼ Signed In As weblogic ▼	
User View 🔻 🎼 🔻 🚱 🛅 📔	Q ■ ▼   B ≥ A + B + X ■	Location /My Folders	Show Hidden Items	
- Folders	Type All V Sort Name A-Z	Show More Details		
My Folders     Shared Folders	My Dashboard         Last Modified 4/11/20           Expand         Open         Edit	016 12:10:53 AM Owner weblogic		
∡ Tasks				
My Folders				
Expand Archive				
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X Delete 1 Upload				
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EI Rename Permissions	Preview			

Catalog	
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- Folder: Admin View	Type All V Sort
<ul> <li>My Folders</li> <li>Shared Folders</li> </ul>	I My Dashboard
	•



	Type All	▼ Sort Name A-Z
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🕨 💼 System Folders 🛛 🔶	_	
User Folders		
My Folders		

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<b>DRACLE</b> OBIEE	12c Book Sear	ch All	▼	٩	Advanced Administration	Help ▼ Sign Out
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Admin View 🔻 📙 🔻 😏	🖬 🛅 🤇 🏛 🔻	<b>₿ / д</b> •	2 • X 🗎	Location	n /Catalog Roo 🔻 🗌 Shor	w Hidden Items 🛛 👔
Folders		t: ia	Type All	▼ Sor	rt Name A-Z	▼ □ Show More Deta
🖌 🚞 Catalog Root			Name	Туре	Last Modified	Owner
Shared Folders			iadmin 🔁	Folder	7/6/2016 8:12:55 PM	System Account
User Folders			christian	Folder	2/4/2017 9:31:45 PM	System Account
My Folders			My Folders	Folder	7/7/2016 6:29:56 PM	System Account
🕨 🚞 biadmin						
christian						
🖌 Tasks 🛛 🚽 🗖						
User Folders			-			
Expand	Archive					
RSS	Unarchive					
🗙 Delete	🛧 Upload					
🕒 Сору	xyz Properties					
E] Rename	Permissions					
P Create Shortcut						



Permissions		0 ×
Location: /Shared Folders/Sample Lite/Sample Rep Owner: weblogic	ports	
Permissions	💑 11.91 🚏 🕂	% ▼ X
Accounts	Permissions	Owner
💦 BI Consumer	Open   Read, Traverse	$\bigcirc$
BI Service Administrator	Full Control   Full Control	$\bigcirc$
Apply permissions to sub-folders.	Replace Options Replace All	T
		OK Cancel

# Chapter 5: Installing and Configuring Client Tools

▶ SSD4 (C:) ▶ obiee_downloads ▶			
Name	Date modified	Туре	Size
] installed	21/03/2016 20:46	File folder	
setup_bi_client-12.2.1.0.0-20151015073141-win64.exe	13/03/2016 09:44	Application	692,575 KB

elcome	
Welcome	
Installation Location	Welcome to Oracle Business Intelligence 12c Client Tools Installer.
Installation Summary	At any time during the installation, you can view the <u>Release Notes</u>
Installation Progress	for additional information.
Installation Complete	Context sensitive help is available at any time by selecting <b>Help</b> .

0	Oracle Business Intelligence 12c Client Tools Installer - Step 2 of 5
Installation Location	
<u>Welcome</u>	Oracle Home:
Installation Location	C:\fmw_obiee\client
Installation Summary	Feature Sets Installed At Selected Oracle Home: View
Installation Progress	No Features are installed at selected Oracle Home.
Installation Complete	
	The Oracle Home C:\fmw_obiee\client will be used for all Oracle Feature Sets in this installation. This page only shows Feature Sets installed at the selected Oracle Home. It does not show Feature Sets installed anywhere else.
Help	< Back Next > Finish Cancel

0	Oracle Business Intelligence 12c Client Tools Installer - Step 3 of 5
Installation Summar	
Welcome	□ Install setup_bi_client
Installation Location	Installation Location
Installation Summary	Oracle Home Location: C:\fmw_obiee\client
Installation Progress	Log File Location: C:\Users\Administrator\AppData\Local\Temp\1\Oralnstall2016-03-21_08-51-19PM\inst all2016-03-21_08-51-19PM.log
Installation Complete	Disk Space     Required: 1635 MB     Available: 152115 MB     Save Response File
	Select Install to accept the above options and start the installation. To change the above options before starting the installation, select the option to change in the left pane or use the Back button.
Help	< <u>Back</u> <u>Next</u> <u>Install</u> Cancel

0	Dracle Business Intelligence 12c Client Tools Installer - Step 4 of 5	- 🗆 X		
Installation Progress				
Welcome     Installation Location	100%			
Installation Summary     Installation Progress	Prepare     Conv			
Installation Complete	Copy           Image: Copy           Image: Copy           Image: Copy           Image: Copy			
	Setup			
	Image: Register ODBC Driver           Image: Create Shortcuts			
	Saving the inventory			
	Post install scripts			
	View Messages ✓ View Successful Tasks	View <u>L</u> og		
	Hardware and Sof Engineered to Work T			
Help	< Back Next > Einish	Cancel		

•	acle Business Intelligence 12c Client Tools Installer - Step 5 of 5 🛛 📃 🗖 🗙
Installation Complete	
Y Welcome	· ⊡ Install setup_bi_client
Installation Location	Installation Location
i V Installation Summary	Oracle Home Location: C:\fmw_obiee\client
Installation Progress	Log File Location: C:\Users\Administrator\AppData\Local\Temp\1\Oralnstall2016-03-21_08-51-19PM\inst all2016-03-21_08-51-19PM.log
Installation Complete	
	setup_bi_client installation completed successfully
Help	< <u>B</u> ack <u>N</u> ext > <u>Finish</u> Cancel

ODBC Data Source Administrator (64-bi	t) ×		
User DSN System DSN File DSN Drivers Tracing Connection Pooling About	t		
System Data Sources:       Name     Platform       Adventureworks     64-bit       SQL Server Native Client 11.0	Add		
	Remove		
	Configure		
An ODBC System data source stores information about how to connect to the indicated data provider. A System data source is visible to all users of this computer, including NT services.			
OK Cancel	Apply Help		

	Create New Data Source	x
	Select a driver for which you want to set up	) a data source.
	Name	Version 🔼
	MySQL ODBC 5.3 Unicode Driver	5.03.04.0
011	ODBC Driver 11 for SQL Server	2015.13
	Oracle BI Server	12.02.01
	Oracle in XE	11.02.00
	SQL Server	6.03.960 =
	SQL Server Native Client 11.0	2011.11
	SQL Server Native Client RDA 11.0	2011.11
	<	>
	< <u>B</u> ack Finish	Cancel

	Oracle BI Server	DSN Configuration	? X		
ORACLE	This wizard will help you create an ODBC data source that you can use to connect to Oracle BI Server.       Name:    OBIEE_Book_dsn				
	Description:				
Clustered DSN Test Cluster Connect			Test Cluster Connect		
Primary Controller: V Port: 9706			✓ Port: 9706		
Secondary Controller: 🔍 🗸		<ul> <li>Port: 9706</li> </ul>			
	Server: localhost 🗸 🗸				
Route Requests To Physical Layer					
Use Forward Only Cursor					
Use SSL Configure SSL					
< Back Next > Cancel Help					

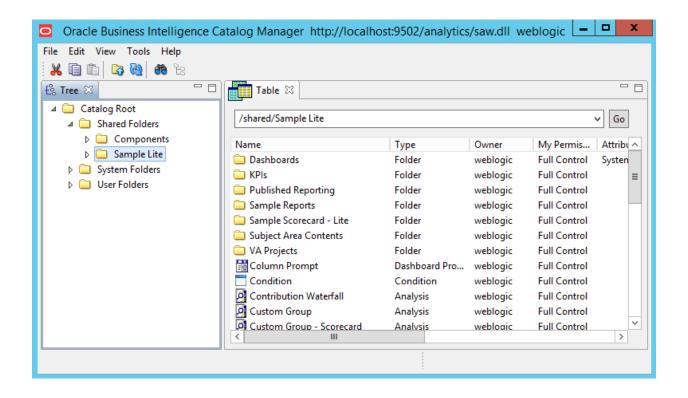
Oracle BI Server DSN Configuration
Please enter Oracle BI Server login ID and password
Login ID: weblogic
Password:
✓ Save login ID
Port: 9514
Change the default repository to
Connect
This connects to Oracle BI Server to obtain default settings for the additional configuration options.
< Back Next > Cancel Help

Oracle BI Server DSN Configuration	? X
Change the default subject area to:	
Change the default error language to:  Use Regional Settings when outputting dates and times	
Database Login ID	
< III >	
< Back Finish Cancel	Help

(Online) Oracle BI Administration Tool - OBIEE_Book_dsn     File Edit View Manage Tools Diagram Window Help					
$\square \square $					
Presentation 	Business Model and Mapping ⊕- 📦 SampleApp Lite	Physical			
Subject Area : "Sample Sales Lite"			JM//		

Import Metadata - Select Metadata Types					
1 Select Data Source	Select the Metadata types you want to	o import:			
2 Select Metadata Types	<ul> <li>Relational Sources</li> <li>Tables</li> </ul>	System tables			
3 Select Metadata Objects	Keys	Aliases			
4 Map to Logical Model	Foreign Keys	Synonyms Views			
5 Publish to Warehouse	C Metadata from CRM tables				
Help	1	Back Next Finish	Cancel		
For Help, press F1			1.		

	Open Catalog 🛛 🗙
Туре:	Online 🗸
URL:	http://localhost:9502/analytics/saw.dll 🖌 Browse
User:	weblogic 🗸
Password:	••••••
Locale:	English (English) 🗸
🗌 View Or	ıly Mode
	OK Cancel



# **Chapter 6: Understanding the Systems Management Tools**

Domain Structure	
bi Domain Partitions Environment Deployments Services Security Realms Interoperability Diagnostics	

	Name 🚕	Туре	Cluster	Machine	State	Health	Listen Port
	AdminServer(admin)	Configured			RUNNING	🖋 ок	9500
	bi_server1	Configured	bi_cluster	AMAZONA-artofbi	RUNNING	🖋 ок	9502
Ne	New Clone Delete Showing 1 to 2 of 2 Previous   Next						

C	Name 🐟	Cluster Address	Cluster Messaging Mode	Migration Basis	Default Load Algorithm	Replication Type	Cluster Broadcast Channel	Servers
	bi_cluster		Unicast	Database	Round Robin	(None)		bi_server1
N	New Clone Delete Showing 1 to 1 of 1 Previous   Next							

# Data Sources (Filtered - More Columns Exist)

New  Delete Showing 1 to 8 of 8 Previous   Next						
	Name 🚕	Туре	JNDI Name	Targets	Scope	Domain Partition
	biplatform_datasource	Generic	jdbc/BIPlatformDatasource	bi_cluster	Global	
	biteamwork	Generic	jdbc/biteamwork	bi_cluster	Global	
	LocalSvcTblDataSource	Generic	jdbc/LocalSvcTblDataSource	AdminServer	Global	
	mds-owsm	Generic	jdbc/mds/owsm	AdminServer, bi_cluster	Global	
	opss-audit-DBDS	Generic	jdbc/AuditAppendDataSource	AdminServer, bi_cluster	Global	
	opss-audit-viewDS	Generic	jdbc/AuditViewDataSource	AdminServer, bi_cluster	Global	
	opss-data-source	Generic	jdbc/OpssDataSource	AdminServer, bi_cluster	Global	
	wlsservices_datasource	Generic	jdbc/WLSServicesDatasource	bi_cluster	Global	

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

# Test Data Source (Filtered - More Columns Exist)

Test Data Source		Showing 1 to 1 of 1 Previous   N	Vext
	Server	State	
$\bigcirc$	bi_server1	Running	
Tes	st Data Source	Showing 1 to 1 of 1 Previous   N	Vext

# Users (Filtered - More Columns Exist)

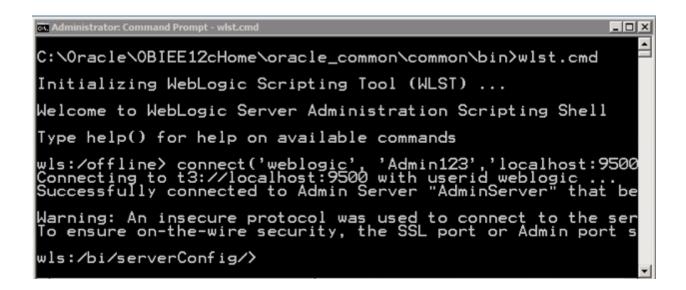
	of 42 Previous   Next		
	Name	Description	Provider 🚕
	LCMUser	This is the default service account for WebLogic Server Lifecycle Manager configuration updates.	DefaultAuthenticator
	OracleSystemUser	Oracle application software system user.	DefaultAuthenticator
	weblogic	This user is the default administrator.	DefaultAuthenticator

Name	Description	Version
Trust Service Identity Asserter	Trust Service Identity Assertion Provider	1.0
DefaultAuthenticator	WebLogic Authentication Provider	1.0
DefaultIdentityAsserter	WebLogic Identity Assertion provider	1.0

- 🗆 🛛

💽 Administrator: Command Prompt

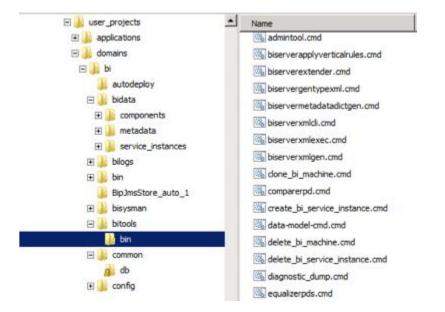
C:\Oracle\OBIEE12cHome\oracle\_common\common\bin>wlst.cmd\_



obi12cbook	OBI 12c Book User
OracleSystemUser	Oracle application software system user.

# LOGIN TO ORACLE ENTERPRISE MANAGER FUSION MIDDLEWARE CONTROL 12c

Domain	Domain_bi			
* User Name	weblogic			
* Password	•••••			
	Login			
		bi	0	
	tance 🕕			🊹 🔻 🖂 🔻
L <b>E</b>	isiness Intelligence Ins	stance 💌	Jan 10, 2017	2:52:43 PM UTC 👈
Overview A	vailability Configura	ation Diagnost	tics Security	



He webbogic Domain *		
/Domain_bi/bi > Log Messages		Search
Log Messages		
🔍 Search		Selected Targets (39)
View <b>v</b> Show Messages		Selected Targets (39)
		Date Range Most Recent 🔹 1 Days 💌
Time Message Message Type ID		* Message Types 🗹 Incident Error 🔽 Error 🗹 Warning 🗌 Notification 🗍
Jan 12, 2017 4:13:14 AM UT( V	Warning	* Search 💿 Selected Fields 🔿 All Fields
Jan 12, 2017 4:09:57 AM UT( V	Warning	* Match 💿 All 🔿 Any
Jan 12, 2017 4:09:40 AM UT( )	Warning	Message contains -
Jan 12, 2017 4:09:30 AM UT( )	Warning	Contains
Jan 12, 2017 4:08:20 AM UT( )	Warning	
Jan 12, 2017 4:09:42 AM UT( V	Warning	getClientId should not be called while the view is being constructed. Component ID: jid8
Jan 12, 2017 3:47:42 AM UT( )	Warning	getClientId should not be called while the view is being constructed. Component ID: j_id8

### ♥ Customize this table

— Filter —		
Filter by Column:	Name 🗸 Criteria:	
	All Providers	
— View Column Display: Available:	Chosen:	
Groups	>>> Provider	2 2 2
page:	10 V Maximum Results Returned: All V 25	

Henry (Filtered - More Columns Evic 100

Create Application Role Like : BIConsumer OK Cancel Role (or Enterprise Role) is the group of users designed at the enterprise level and typically used to assign a privilege or permission. A role can also contain other roles as members. General Application Stripe obi \* Role Name AdvWorksConsumer Display Name BI Consumer Description Users granted this role can consume content but are restricted in what they can create. Members An application role may need to be mapped to users or groups defined in enterprise LDAP server, or the role can be mapped to other application roles. 🕂 Add 🔀 Delete... 📓 Detach View 🔻 Name **Display Name** Туре BIContentAuthor BI Content Author Application Role authenticated-role Authenticated Role Authenticated Role Store Manager Group Sales Team Group

Role Name	Display Name	Description
BIServiceAdministrator	BI Service Administrator	This role confers privileges required to administer the sample a
BIContentAuthor	BI Content Author	Users with this role can create most types of content.
BIConsumer	BI Consumer	Users granted this role can consume content but are restricted
AdvWorksConsumer	BI Consumer	Users granted this role can consume content but are restricted
AdvWorksSalesTeam	AdvWorks SalesTeam	Sales team application role based on BIConsumer role. Remov
AdvWorksTechnician	AdvWorks Technician	Users granted this role can consume content but are restricted

# Security Provider Configuration @

Use this page to configure the security providers for credentials, keys and authorization services.

# Security Store Provider

## Security Stores

Current policy, keystore and credential store providers are shown below. To migrate the current policy, keystore and credential providers use the Change Store Type button.

Store Type	Oracle Database	Change Store Type			
Location	[jdbc/OpssDataSource]				
Security Stores	[Policy Store, Credential Store, Audit Store, Keystore]				
Driver Class Name	oracle.jdbc.OracleDriver				
Database URL	jdbc:oracle:thin:@//localhost:1521/PDBORCL				
Root DN	cn=opssRoot				
Domain Name	cn=opssSecurityStore				

\* Export Directory on Server: c:\Temp\MyExport

Overwrite

Name	Туре	Size
DefaultAuthenticator.dat	DAT File	9 KB
DefaultCredentialMapper.dat	DAT File	1 KB
exportIndex.dat	DAT File	1 KB
XACMLAuthorizer.dat	DAT File	116 KB
XACMLRoleMapper.dat	DAT File	170 KB

Finished

## Performance Monitor

This page shows diagnostic performance metric information.

Oracle BI PS File Accesses This category provides information related to usage of file accesses within Oracle BI Presentation Services.

Counter Name Instan	ce Type	Value Comments	
---------------------	---------	----------------	--

Current Open Files	 Counter	2	The current number of open files.
Peak Open File	 Counter	30	The peak number of open files.
Total Files	 Counter	6356	The total number of files that have been opened.

#### Oracle BI PS Caches

This category provides information about caches within Oracle BI Presentation Services.

Counter Name	Instance	Туре	Val	ue Comments
Cleanups	Alerts	Counter	0	The number of deanup passes that have finished.
Current Entries	Alerts	Counter	0	The current number of entries in this cache.
Peak Entries	Alerts	Counter	0	The peak number of entries in this cache.
Cache Hits	Alerts	Counter	0	The number of requests satisfied by the cache.
Last Access Stdev*100	Alerts	Counter	0	The last computed standard deviation of bucket accesses within this cache (** multipled by 100 **)
Last Max Bucket Size	Alerts	Counter	0	The last computed maximum bucket size within the cache.
Last Stdev*100	Alerts	Counter	0	The last computed standard deviation of bucket sizes within this cache (** multipled by 100 **).
Cache Misses	Alerts	Counter	0	The number of requests not satisfied by the cache.
contraction in	1.1.1.1.1.	Contra	0	we have the second seco

ENTRYID	RDN	PARENTDN
13081	cn=advworkstechnician	cn=opssroot,cn=jpscontext,cn=opsssecuritystore,cn=obi,cn=roles,

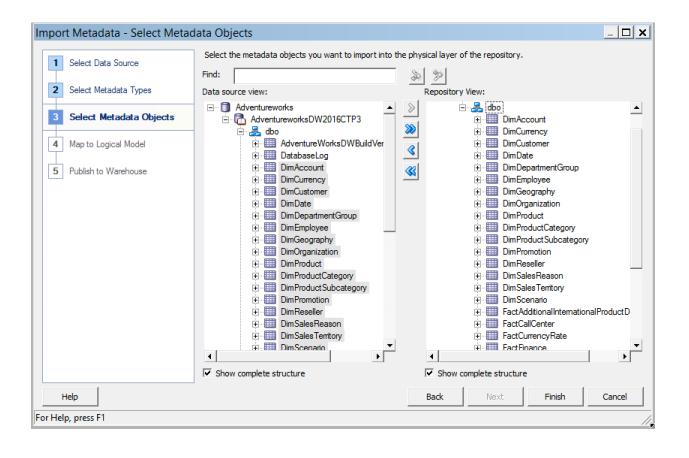
# Chapter 7: Developing the BI Server Repository

Oracle BI Administratio	on Tool	_ 🗆 ×
File Tools Help		
New Repository Ctrl		
Open		
Multiuser	•	
Load Java Datasources		
Recent File		
Exit		
Create a new repository		NUM //

Create New Repository - Repository Information							_ 🗆 🗙
1 Repository Information	Create Repository:	Intervention Binary	C MDS XM	L Documents			
2 Select Data Source	Name: Adve	entureWorks					Browse
3 Select Metadata Types	Location: C:\fm	nw_obiee\client\bi\b	foundation\se	erver\			Browse
4 Select Metadata Objects	Import Metadata:	Yes	C No	C MDS XML			
5 Map to Logical Model	Repository Password:	•••••					
6 Publish to Warehouse	Retype Password:	•••••					
Help				Back	Next	Finish	Cancel
For Help, press F1							11.

Import Metadata - Select Data S	Source			<u>_ 🗆 ×</u>
1 Select Data Source				
	Connection Type:	DDBC 3.5		•
2 Select Metadata Types				
	DSN	Driver		
3 Select Metadata Objects	Adventureworks	SQL Server Native Client 11.0		
	AnalyticsWeb	Oracle BI Server		
4 Map to Logical Model	fmw_obiee_server	<ul> <li>DataDirect 7.1.4 SQL Server Wire Prot Orade BI Server</li> </ul>	000	
	OBIEE_Book_dsn	Orade BI Server-dient		
5 Publish to Warehouse	opss_datasource	DataDirect 7.1.4 SQL Server Wire Prot	ocol	
	User Name:	obiee_sa		
	Josef Humer	obice_su		
	Password:	•••••		
Help		Back	Next	Finish Cancel
For Help, press F1				

Create New Repository - Select	Metadata Types		
1 Repository Information	Select the Metadata types you wa	int to import:	
2 Select Data Source	<ul> <li>Relational Sources</li> <li>Tables</li> </ul>	System tables	
3 Select Metadata Types	₩ Keys	Aliases	
4 Select Metadata Objects	🔽 Foreign Keys	Synonyms Views	
5 Map to Logical Model	O Metadata from CRM tables		
6 Publish to Warehouse			
Help		Back Next Fini	sh Cancel
For Help, press F1			11



Oracle BI Administration Tool - AdventureWorks.rp File Edit View Manage Tools Diagram Window Help		<u> </u>
0 📽 📽 🚱 🔂 🔮 💥 🗓 🛍 🔯 🖄 🔖		
	Business Model and Mapping	Physical Adventureworks Connection Pool AdventureworksDW2016CTP3 AdventureworksDW2016CTP3 DimCurency DimCurency DimCurency DimDepartmentGroup DimDepartmentGroup DimDepartmentGroup DimOpagnization DimProductCategory DimProductCategory DimProductCategory DimProductCategory DimProductCategory DimProductSubcategory DimProductSubcategory DimProductSubcategory DimProductCategory DimProductSubcategory DimProductSubcateg
For Help, press F1		

Database - Adventureworks
Display Folders         Database Properties         Miscellaneous           General         Features         Connection Pools
Name: Adventureworks
Data source definition Database type: SQL Server 7.0/2000
CRM metadata tables 🗌 Virtual Private Database
Persist connection pool not assigned Set Clear
Allow populate queries by default
Allow direct database requests by default
Description:
OK Cancel Help

Database - Advente	ureworks			×
Display Folders	Database Prop	erties	Miscellaneous	
General	Features	Conr	nection Pools	T.
				1
Feature		Value	Default 🔺	4
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RIGHT_OUTER_JOIN				1
FULL_OUTER_JOIN_S				
NESTED_OUTER_JOI	N_SUPPORTED			
UNION_SUPPORTED				
UNION_ALL_SUPPOR	TED			
COUNT_SUPPORTED		<u> </u>		
COUNT_DISTINCT_SU				
COUNT_STAR_SUPPO	DRTED			
SUM_SUPPORTED				
AVG_SUPPORTED				
MIN_SUPPORTED				
MAX_SUPPORTED			<u> </u>	
FIRST_SUPPORTED				
LAST_SUPPORTED				
RANK_SUPPORTED				
PERCENTILE_SUPPOR	RTED			
MOVING_AVG_SUPPO	RTED			
TOPN_SUPPORTED				
BOTTOMN_SUPPORT	ED		Γ	.
GROUP_BY_SUPPORT	ED		V .	1
Find Find	Again Query D	BMS Rese	t to defaults	
	ОК	Cancel	Help	

Connection Pool - C	onnectio	n Pool		_ 🗆 🗙
General Connection Sc	ripts XML	Write Back	Miscellaneo	ous
Name: Connection F	ool			Permissions
Call interface: Maximum connections: Require fully qualifie Data source name: Shared logon User name: Enable connection p Timeout:	Adventure	s	Password:	<ul> <li>▼</li> <li>(minutes) ▼</li> </ul>
Use multithreaded c				
Parameters supporte				
Isolation level:	Default			•
Description:				
		ОК	Cance	el Help

Connection	Pool - Connection Pool	_ 🗆 🗙
General Co	nnection Scripts XML Write Back Miscellaneous	
Execute	on connect	
Enabled	Script	New
	before guery.	
Enabled	Script 🔂	New
	Ŷ	
	after query	
Enabled	Script	New
	습 ·	
U	_ 🖄 _	
Enabled	on disconnect	New
U	_ 🕹 _	
	OK Cancel	Help

Physical Table - DimAccount	_ 🗆 🗙
General Columns Keys Foreign Keys Properties	
Name: DimAccount	
Table Type: Physical Table	
Use Dynamic Name	rowse,
	owse
<ul> <li>Cacheable</li> <li>Cache never expires</li> </ul>	
C Cache persistence time	<b></b>
Description:	
	▲ ▼
OK Cancel	Help
For Help, press F1	

Phy	sical Table - DimAccount			
Ge	eneral Columns Keys Foreign Ke	ys Properties		
			<b></b>	×   /
	Name	Туре	Length	Nullable
	AccountCodeAlternateKey	INT		true
	AccountDescription	VARCHAR	50	true
	📟 AccountKey	INT		false
	AccountType	VARCHAR	50	true
	CustomMemberOptions	VARCHAR	200	true
	CustomMembers	VARCHAR	300	true
	Operator	VARCHAR	50	true
	ParentAccountCodeAlternateKey	INT		true
	ParentAccountKey	INT		true
	ValueType	VARCHAR	50	true
-		ОК	Cancel	Help
For H	Help, press F1			

sical Table - D	limAccount	_ 🗆
eneral Columns	Keys Foreign Keys Properties	
		*
Key Name	Columns	Description
PK_DimAccount	AccountKey	
	.I	
	OK	Cancel Help

Physical Table - D	imAccount			_ <b>— ×</b>
General Columns k	Keys Foreign Keys	Properties		
			4	×   /
Name	Table	Table Key		
		ОК	Cancel	Help
For Help, press F1				//

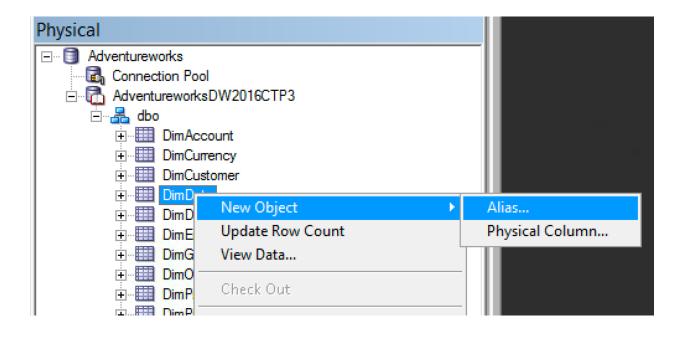
Oracle BI Administration Tool - AdventureWork	s.rpd			_ 🗆 🗙	
File Edit View Manage Tools Diagram Window H	elp				
📙 🗅 📽 📽 🚱 🗃 🚑 😽 🖬 🐚 🔯 🔯 🏫	& ??) ⊞ @ @ & & @ @ <mark>}%</mark>				
Presentation	Business Model and Mapping	Physical			
		Adventureworks     Adventureworks     Adventureworks     Adventureworks     Adventureworks     DimAge	sDW2016CTP3	<u>^</u>	
		🕀 🛄 DimCu	Update Row Count		
			Check Out		-
			Cut	Ctrl+X	
		DimG	Сору	Ctrl+C	
			Paste	Ctrl+V	
		🗈 🛄 DimPr	Delete	Del	
			Duplicate		
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		Dim Re	Check Model	÷.	
			Mark		
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		€ <b>DimS</b> t € FactA	Expand All		
		FactC	Business Model Diagran	n ▶	
		+ FactC	Physical Diagram	•	Selected Object(s) Only
		€	Query Related Objects	•	Object(s) and Direct Joins
		+ 🛄 Factir	Properties		Object(s) and Direct Joins within Business Model
		. ■ FactP			Object(s) and All Joins
		€ FactRe	sellerSales sellerSalesXL_CCI		
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For Help, press F1			NU	M	

ical Diagram															
										E DimDepartme	ntGrou	)		<u>=</u> ]	
🖬 DimOrgani	zation		1	2						Columns	Types	Length	Nullable		
Columns 🗸	Types	Length	Nullable							DepartmentGroupKey	INT	10	false		
OrganizationKey	INT	10	false							ParentDepartmentGroupKey	INT	10	true		
ParentOrganizationKey	INT	10	true							DepartmentGroupName	VARCHAR	50	true		
PercentageOfOwnership	VARCHAR	16	true												
OrganizationName	VARCHAR	50	true							_		1			
CurrencyKey	INT	10	true						/						
					FactFinance				믜						
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					Columns	Types	Length	Nullable							
							Length 10 10	Nullable false false							
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Columns /	Types	Length	Nullable	-	Columns / FinanceKey DateKey OrganizationKey	Types INT INT INT	10 10 10	false false false			2	Types INT	Length 10	Nullable	].
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Columns / ScenarioKey	Types INT	10	Nullable		Columns // FnanceKey DateKey OrganizationKey DepartmentGroupKey	Types INT INT INT INT INT Types INT	10           10           10           10           10           10           10           10           10           10           10           10           10           10	false false false false false Nullable false	■	Columns DateKey FulDateAternateKey DayNumberOfWeek	/ (	INT DATE TINYINT	10 10 3	false false false	

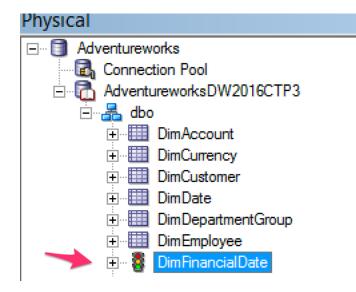
Physical Foreign Key - FactFinance_Foreign Key	_ 🗆 🗙
Name:     FactFinance_Foreign Key       Table:	Table: FactFinance Column: Name Type Length FinanceKey INT DateKey INT CorganizationKey INT DepartmentGroupKey INT
Driving table: None Type Cardinality	e: Inner 💌
CN C0,1 © 1 CUnknown	C 1 C 0,1 © N C Unknown
Hint: Expression:	
"Adventureworks". "AdventureworksDW2016CTP3". "dbo". "DimDate". "DateKey" = "Adventureworks". "AdventureworksDW2016CTP3". "dbo". "FactFinance". "DateKey"	
	OK Cancel Help

										🖬 Dir	nDepartme	ntGrou		<u>.</u>	믜	
🖬 DimOrgani	zation			믜						Columns		Types	Length	Nullable		
Columns 🛛	Types	Length	Nullable							Departme	entGroupKey	INT	10	false		
OrganizationKey	INT	10	false							ParentDep	partmentGroupKey	INT	10	true		
ParentOrganizationKey	INT	10	true							Departme	entGroupName	VARCHAR	50	true		
PercentageOfOwnership	VARCHAR	16	true													
OrganizationName	VARCHAR	50	true							7						
CurrencyKey	INT	10	true	-					/							
				<b>_</b>					$\leq$							
					FactFinanc	e			믜							
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DimScena Columns	rio Types	Length	Nullable		DateKey				<b>_</b>	-	Columns	<u>م</u>	Types	Length	Nullable	
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Columns / ScenarioKey ScenarioName	Types INT VARCHAR	10 50	false		DateKey OrganizationKey DepartmentGroupKey <b>DimAccount</b> Columns AccountKey ParentAccountKey	INT INT INT Types INT	10 10 Length 10	false false Nullable false			Columns DateKey FulDateAlternateKey DayNumberOfWeek	A	INT DATE TINYINT	10 10 3	false false false	1
Columns / ScenarioKey ScenarioName	Types INT VARCHAR	10 50	false		DateKey OrganizationKey DepartmentGroupKey	INT INT Types INT INT	10 10 Length 10 10	false false Nullable false true			Columns DateKey FulDateAlternateKey DayNumberOfWeek	A	INT DATE TINYINT	10 10 3	false false false	1

Oracle BI Administration Tool - Ad	lventureWorks.rpd		
File Edit View Manage Tools Diagram	n Window Help		
New Repository Ctrl+N	🔁 🖄 🛤 🕟 🦓 🕅	8 4 4 5 6 6 8 2	
Open 🕨			
Multiuser	Bu	usiness Model and Mapping	Physical
Source Control			E. Adventureworks
Close			Connection Pool
Save Ctrl+S			AdventureworksDW2016CTP3
Save As			⊡ 🤧 dbo ⊕ 🌐 DimAccount
Copy As			
Change Password			DimCustomer
Load Java Datasources			DimDate
Print Preview			DimDepartmentGroup     DimEmployee
Print			Dimempioyee     Dimempioyee     Dimempioyee
			⊡ ··· IIII DimOrganization
Import Metadata			⊡
Compare			DimProductCategory
Turn off Compare Mode			DimProductSubcategory     DimPromotion
Merge			DimPromotion
Check Global Consistency Ctrl+K			
Check Models 🕨			Dim Sales Territory
Check Out All			DimScenario     FactAdditionalInternationalProductDescription
Check In Changes			FactAdditionalInternationalProductDescription     FactCallCenter
Undo All Changes			FactCurrencyRate
1 C:\Users\\AdventureWorks			
TC://oseis//Adventureworks			FactInternetSales
Exit			FactInternetSalesReason     FactProductInventory
	·		FactResellerSales
			FactResellerSalesXL_CCI
			FactResellerSalesXL_PageCompressed
			FactSalesQuota     FactSurveyResponse
			FactSurveyResponse      NewFactCurrencvRate
<u> </u>		I	
Check consistency of whole repository			NUM //



Business Model and Mapping	Physical
	🗐 Adventureworks
	Connection Pool
	🗄 🔂 AdventureworksDW2016CTP3
	🔁 🛃 dbo
Physical Table - DimFinancialDate	
General Columns Keys Foreign Keys Properties	🕀 🎹 DimCustomer
	DimDate
Name: DimFinancialDate	DimDepartmentGroup
	DimGeography
Source Table: DimDate Select	DimProduct
Use Dynamic Name	Dim ProductCategory
	DimProduct Subcategory
Browse	
	The second secon
Override Source Table Caching Properties	
🔽 Cacheable	
💿 Cache never expires	FactInternetSales
C Cache persistence time	FactInternetSalesReason
	FactProductInventory
Description:	FactResellerSales
	FactResellerSalesXL_CCI
	FactResellerSalesXL_PageCompressed
	FactSurveyResponse
OK Cancel He	p
For Help, press F1	
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Business Model - AdventureWorksBM	_ <b>D</b> ×
General Display Folders	
Name: AdventureWorksBM	
Disabled	
Description:	
1	<u>^</u>
	<b>_</b>
OK Cancel	Help

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	Business Model and Mapping
	AdventureWorksBM

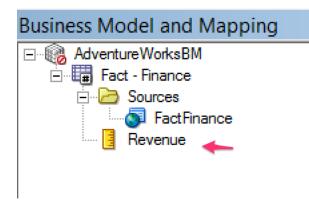
siness Mod	lel and Mapping	Physical	
Adventure	WadcaDM	🗆 🖨 Adventure	
	New Object		Logical Display Folder
	Check Out		Logical Table
	Cut	Ctrl+X	 DimAccount
	Сору	Ctrl+C	DimCurrency
	Paste	Ctrl+V	DimCustomer
	Delete	Del	DimDate DimDepartmentGroup
	Duplicate		DimEmployee
	Create Subject Areas for Logical	Stars and Snowflakes	DimGeography
			<ul> <li>DimOrganization</li> </ul>

Business Model and Mapping	Physical
AdventureWorksBM	Adventureworks Connection Pool AdventureworksDW2016CTP3 AdventureworksDW2016CTP3 AdventureworksDW2016CTP3 DimAccount DimCurrency DimCustomer DimDepartmentGroup DimDepartmentGroup DimDepartmentGroup DimOrganization DimOrganization DimProduct DimProduct DimProductCategory DimProductSubcategory DimPromotion DimPromotion DimSeeller DimS

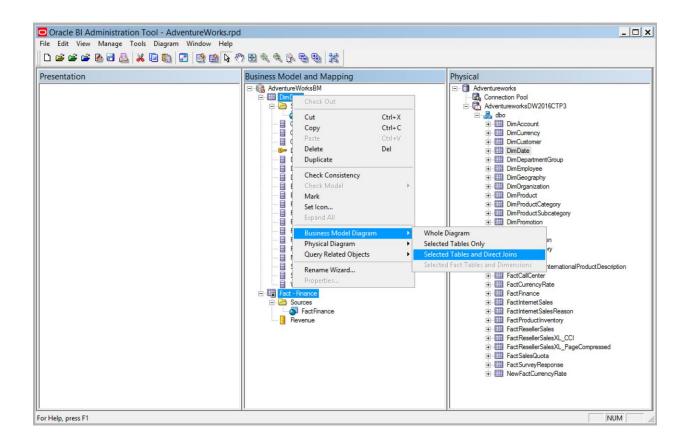
usiness Model and Mapping	Physical
- 🛞 AdventureWorksBM	🗊 Adventureworks
Fact - Finance	Connection Pool
🚊 🗁 Sources	AdventureworksDW2016CTP3
	📄 🖳 🛃 dbo
Amount	DimAccount
	DimCustomer
	🔲 🕀 🛄 DimDate
	DimDepartmentGroup
	DimEmployee
	📃 🕀 🛄 DimGeography
	DimOrganization
	Dim Product
	DimProductCategory
	DimProductSubcategory
	Dim Reseller
	DimSalesReason
	⊡ Dim Sales Territory
	DimScenario
	FactAdditionalInternationalProductDescription
	E → EactCallCenter
	AccountKey
	Amount
	Date
	DateKey
	DepartmentGroup Key
	FinanceKey
	Organization Key
	Scenario Key

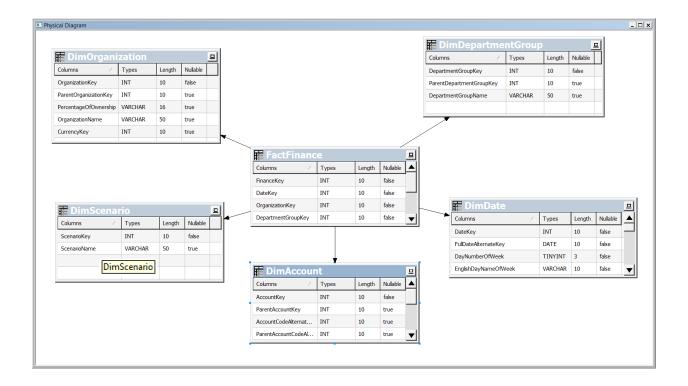
Logical Column - Revenue			_ 🗆 🗙
General Column Source Aggregati	on Levels		
Name: Revenue			(UNKNOWN)
Belongs to Table: AdventureW	orksBM"."Fact	- Finance	Writeable
Sort order column:			
None		Set	Clear
Descriptor ID column:			
None		Set	Clear
Description:			
	ОК	Cancel	Help

Logical Column - Rev	venue		_ 🗆 🗙
General Column Source	Aggregation Levels		
Based on dimensions			
Default aggregation rule:	None None		•
	Sum Avg Count Distinct Max Min First Last Last Median StdDev StdDevPop Evaluate_Aggr		
	ОК	Cancel	Help

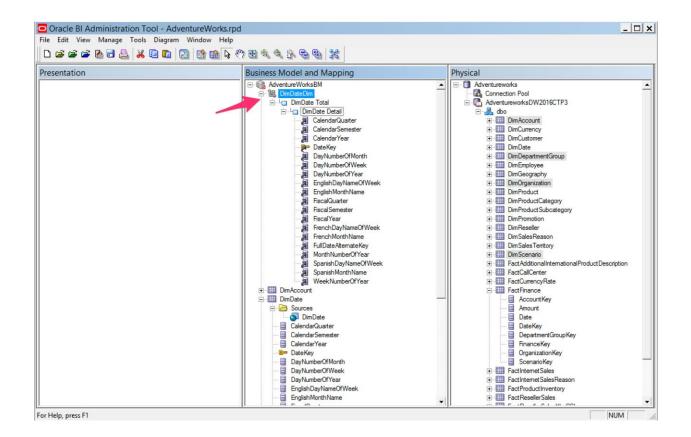


Business Model and Mapping	Physical
AdventureWorksBM	🗊 Adventureworks
DimDate	Connection Pool
🚊 🖓 🔁 Sources	AdventureworksDW2016CTP3
	🗄 🚠 dbo
🗧 CalendarQuarter	E DimAccount
📃 CalendarSemester	E DimCurrency
🗧 CalendarYear	E DimCustomer
- DateKey	⊡
📃 DayNumberOfMonth	
DayNumberOfWeek	⊡ <mark>⊞</mark> DimEmployee
DayNumberOfYear	
EnglishDayNameOfWeek	
📄 EnglishMonthName	
📃 FiscalQuarter	
FiscalSemester	
FiscalYear	
FrenchDayNameOfWeek	⊡ <mark>DimResell</mark> er
FrenchMonthName	
FullDateAlternateKey	E Dim Sales Territory
MonthNumberOfYear	⊡
📒 SpanishDayNameOfWeek	FactAdditionalInternationalProductDescription
SpanishMonthName	· FactCallCenter
WeekNumberOfYear	FactCurrencyRate
En En Fact - Finance	E FactFinance
	⊕ FactInternetSales
FactFinance	⊕ ■ FactInternetSalesReason
	Fact ResellerSales



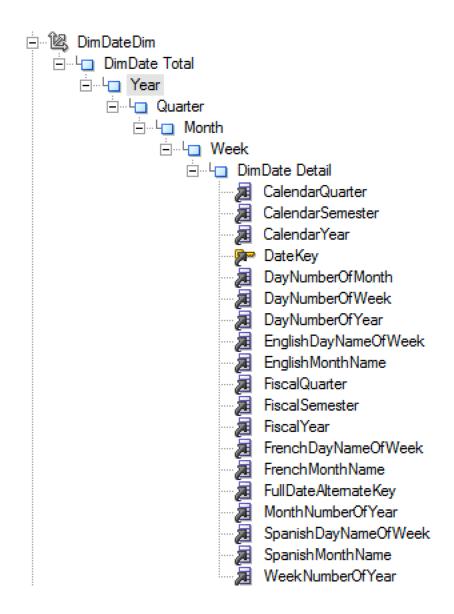


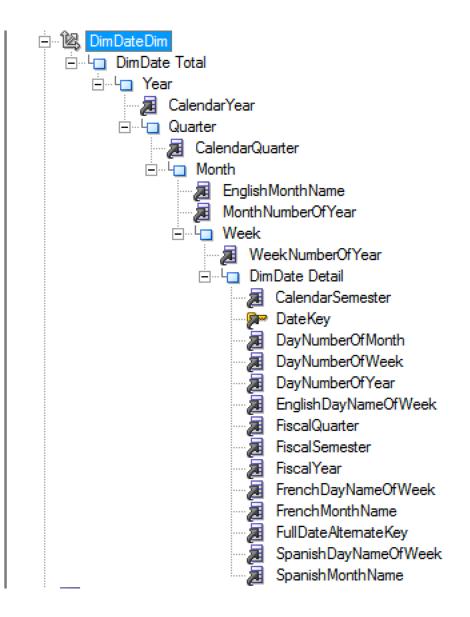
	lodel and Mapping				_ 🗆 🗙
🖃 🕼 Adventure	WorksBM				
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	istomer				
intresidential international distribution international distributional dis	New Object		▶		
	Create Logical Dimension			Dimension with Level-Based Hierarchy	
	Check Out			Dimension with Parent-Child Hierarchy	
🕀 🛄 Dim 🕄	Cut	Ctrl+X			
Fact	Сору	Ctrl+C			
	Paste	Ctrl+V			
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	Duplicate				
	Check Consistency		_		
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	Mark				
	Set Icon				
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	Query Related Objects		•		
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	Rename				
	Properties				
1			_		



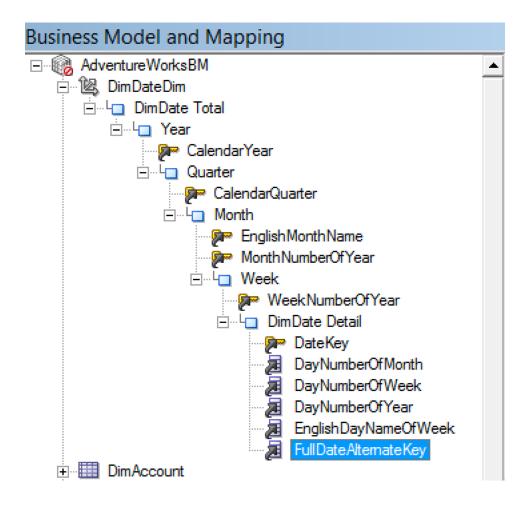
Business Model and Ma	pping		Physical	
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🖻 🖳 Dim Date Dim	🗄 🕼 DimDateDim 👘 🗍 👘 🚮 Connection Pool		Connection Pool	
🖻 🖓 🔲 Dim Date Total			AdventureworksDW2016CTP3	
🖻 🖓 🗖 Dim Date				
🔤 🔁 Caler	New Object	,	Parent Level	
🔁 Caler	Check Out		Child Level	
🔤 🗾 🔂 🔤	Officer Out		Shared Level as Parent	
🛛 🎅 Date	Cut	Ctrl+X	Insert Shared Level As Parent	
Dayl	Сору	Ctrl+C	Shared Level as Child	
	Paste	Ctrl+V	Dim Conservative	
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	Duplicate			
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Hisca				
⊡ L⊡ DimDate ⊉ Caler ⊉ Caler 	New Object Check Out Cut Copy Paste	Ctrl+C Ctrl+V	Parent Level Child Level Shared Level as Parent Insert Shared Level As Parent	

Logical Level - Week	_ 🗆 🗙
General Keys Preferred Drill Path	
Name: Week	
Number of elements at this level: 52 (1 for dimen	sion total)
🗖 Grand total level	
Supports rollup to higher level of aggregation	
Child levels:	+ 🗙
London Detail	
Description:	
	×
OK Cancel	Help
For Help, press F1	/





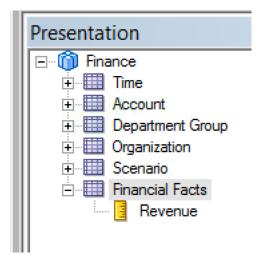
	<ul> <li>ImDateDim</li> <li>ImDate Total</li> <li>ImDate</li></ul>	
Logical	Level Key - Year	_ <b>_ x</b>
Columns	Year lified names :: ndarYear	
Add		
	OK Cancel	- Help



Business Model a	nd Mapping Pl	hysical	
AdventureWor & DimDateD	New Object	· @	C.
⊡…L <mark></mark> DimD:	Check Out		Y
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1	Delete	Del	
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	Create Subject Areas for Logical Stars and Snow	/flakes	r
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	Expand All		r
	•		
	Business Model Diagram	•	ľ
🖃 🛄 DimDate	Physical Diagram	•	
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Presentation	Business Model and Mapping
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🕀 🎹 Fact - Finance	🗄 📲 🖳 Time Dim
🚊 📲 DimDate	庄 🛄 DimAccount
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🛛 📃 DateKey	🗄 📲 Fact - Finance
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EnglishDayNameOfWeek	
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- FiscalQuarter	
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SpanishDayNameOfWeek	
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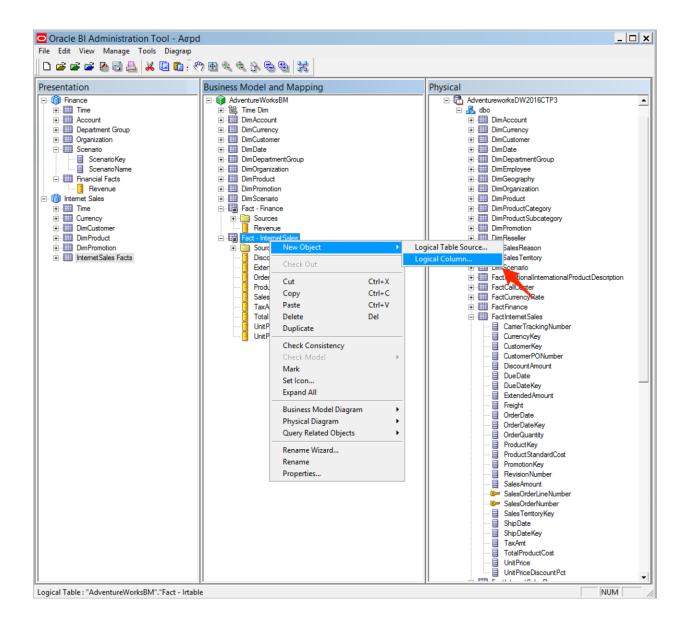
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	Business Model and Mapping	Physical
act - Finance	⊡…@ AdventureWorksBM ⊕…@ Time Dim ⊕… III DimAccount	
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	ource Control   Cache Manager   Multiuser   More	
	General Repository Sort Objects	
	<ul> <li>Show toolbar</li> <li>Show statusbar</li> <li>Prompt when moving logical columns</li> <li>Remove unused physical tables after Merge</li> <li>Allow import from repository</li> <li>Allow logical foreign key join creation</li> <li>Skip Gen 1 levels in Essbase drag and drop actions</li> <li>Hide unusable logical table sources in Replace wizard</li> <li>Allow first Connection Pool for Init Blocks</li> <li>Show Upgrade ID in Query Repository</li> <li>Extender For BIAPPS</li> <li>Show Tenant Info in Online Login</li> <li>Display Translation Key in the presentation tree</li> <li>Edit presentation names</li> <li>Drag and drop: Show only hierarchal columns</li> <li>Enable Statistics Generation in Summary Advisor wizard</li> </ul>	
	OK Cancel Help	
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Subject Area - Finance			_ 🗆 🗙
General Presentation Tables	Aliases		
	ť		×   /
Name			
<ul> <li>Time</li> <li>Account</li> <li>Department Group</li> <li>Organization</li> <li>Scenario</li> <li>Financial Facts</li> </ul>			
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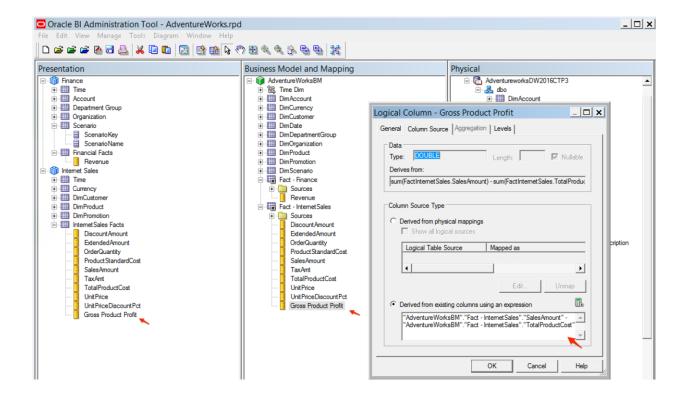
Subject Area - Finance	_ 🗆 🗙
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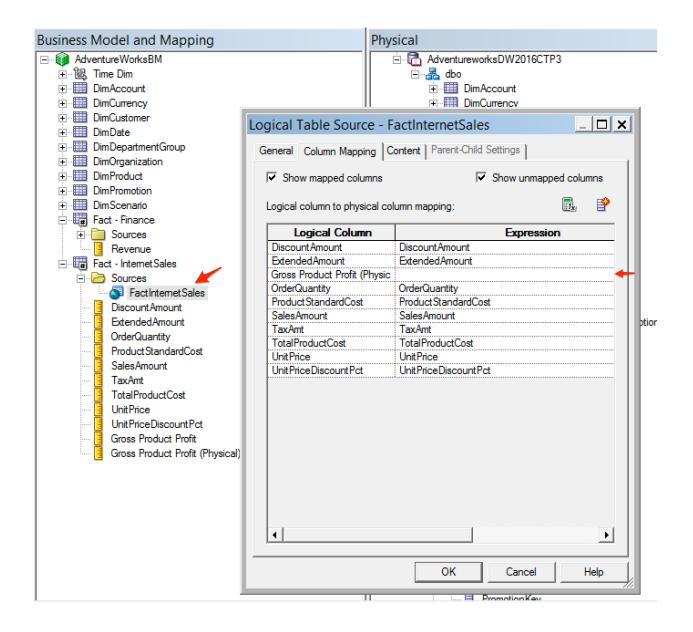
Presentation	Subject Area - Finance	ing
E Ime Time Time Account	General Presentation Tables Aliases	
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	Translation Key: Finance	
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	Export logical keys	
	Implicit Fact Column	
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	Fact - Finance	
	Help	
	OK Cancel	
	Logical Column : "AdventureWorksBM"."Fact - Finar //	



Logical Column - Gross Product Profit
General Column Source Aggregation Levels
Data
Type: UNKNOWN Length: Nullable
Derives from:
Column Source Type
O Derived from physical mappings
Show all logical sources
Logical Table Source Mapped as
Edit Unmap
Derived from existing columns using an expression
OK Cancel Help

Expression Builder - Derived logica	l column	_ 🗆 🗙
Category: Logical Tables Operators Expressions Functions Constants Types	"AdventureWorksBM", "Fact - InternetSales", "SalesAmount" - "AdventureWorkst InternetSales", "TotalProductCost"	3M". "Fact -
Logical Tables: Fact - Finance DimDate DimAccount DimOepartmentGroup DimOrganization DimScenario Fact - InternetSales DimCurrency DimCustomer	≫	
Columns: DiscountAmount ExtendedAmount OrderQuantity ProductStandardCost SalesAmount TaxAmt TotalProductCost UnitPrice UnitPriceCost		
Find: Sort Panes	+ - * /    () > < = Ø= <= >= <> AND OR	NOT , Help
"AdventureWorksBM"."Fact - InternetSales".	"TotalProductCost"	





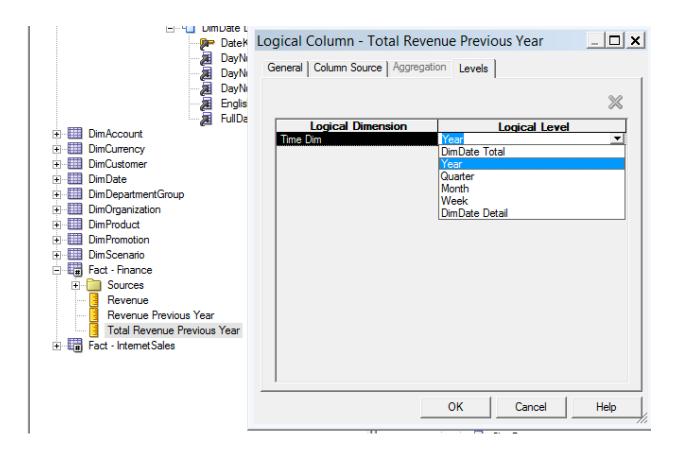
Expression Builder - Expression		
Category: Physical Tables Operators Expressions Functions Constants		"Adventureworks", "AdventureworksDW2016CTP3", "dbo", "FactInternetSales", "SalesAmount" - "Adventureworks", "AdventureworksDW2016CTP3", "dbo", "FactInternetSales", "TotalProductCost"
Physical Tables:		
FactInternetSales Find:	۶	
Columns:		
CurrencyKey SalesTerritoryKey SalesOrderNumber		
SalesOrderLineNumber		+ - * /    ( ) > < = Ø= <= >= <> AND OR NOT , Undo
Find:		
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"Adventureworks"."AdventureworksDW2016CTP3"."dbo"."Fact	Intern	etSales"."TotalProductCost" //

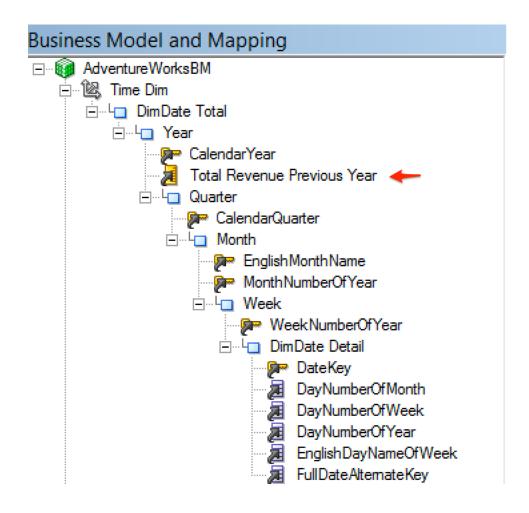
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	Logical Dimension - Time Dim
+ DimAccount	Logical Dimension - Time Dim
	General Tables
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	Name: Time Dim
DimProduct	Default root level: DimDate Total
	- Structure
DimScenario	
🖃 🖽 Fact - Finance	Time 🔶
🖃 📄 Sources	🗖 Ragged
Revenue	🗖 Skipped Levels
E Fact - InternetSales	
🖻 🗁 Sources	Description:
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Extended Amount	
OrderQuantity	
ProductStandardCost	
SalesAmount	
TaxAmt	
TotalProductCost	<b>_</b>
UnitPriceDiscountPct	OK Cancel Help
🔚 Gross Product Profit (Phy	For Help, press F1
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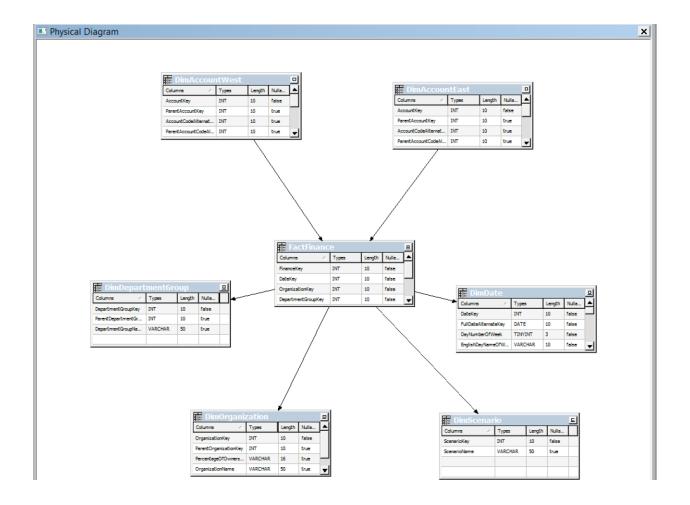
Logical Level - DimDate Detail								_ 🗆 🗙
General Keys Preferred Drill Path Sequence Number	5							
Primary key: DimDate Detail_Key								-
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Key Name Columns			D	escription	U	se for Display		ical Key
DimDate Detail_Key DimDate.DateKey						V		
1								
						ОК	Cancel	Help
Logical Key : "AdventureWorksBM"."Time Dim"."DimDate Deta	ail"."Dim	Date Detail_k	ey" : Use for	display				
Expression Builder - Derived logical column								_ <b>_ X</b>
Category:								
Time Dimensions		Ago("Adventi	reWorksBM"."	- Fact - Finance	"."Revenue" .	"AdventureWorks	BM". "Time Dim". "Yea	ar" , 1)
Operators Expressions					,			- / -/
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Ago(< <measure>&gt;, &lt;<level>&gt;, &lt;<number of="" periods="">&gt;)</number></level></measure>								

Logical Level - DimDate D	etail	_ 🗆 🗙
General Keys Preferred Drill P	ath Sequence Numbers	←
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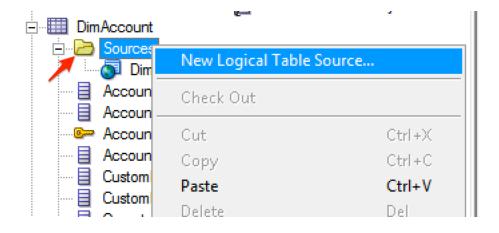






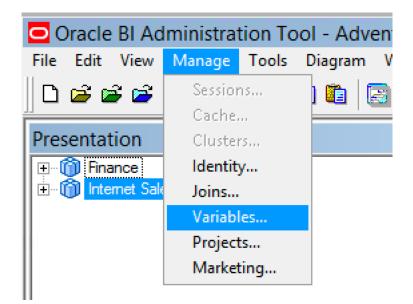
⊑ ⊟…L⊒ Year	
CalendarYear	Logical Table Source - DimAccount
🖃 - 4 Quarter	General Column Mapping Content Parent-Child Settings
⊡ُL_ Month 	Name: DimAccount
⊡…∟ <mark>_</mark> Week ∭ <b>P</b> WeekNu	Map to these tables:
DimDate Date Jayl Jayl Jayl Jayl Jayl Jayl Jayl Jayl	Hadventureworks"."AdventureworksDW2016CTP3"."dbo"."DimAccountEast"
Sources	Joins: Table 1 Table 2 Type
Account Description	
AccountKey	
🗎 Account Type	View Details
CustomMemberOptions	Priority Group: 0
Operator ParentAccountCodeAlternate	Description:
ParentAccountCodeAlternate	
⊡ DimCustomer	
Dim Date	OK Cancel Help
DimDepartmentGroup	

<ul> <li>Show mapped columns</li> </ul>	I▼ Sł	now unmapped (	columns
ogical column to physical col	umn mapping:		<b>B</b>
Logical Column	Ехр	ression	
AccountCodeAlternateKey	AccountCodeAltemateKey		
AccountDescription	AccountDescription		
AccountKey	AccountKey		
AccountType	AccountType		
CustomMemberOptions	CustomMemberOptions		
CustomMembers	CustomMembers		
Operator	Operator		
ParentAccountCodeAlternat	ParentAccountCodeAlternate	Key	
ParentAccountKey	ParentAccountKey		
ValueType	ValueType		
. [	1		



E Week	Logical Column - AccountDescription	
<b>≱</b> ≓ Wi ⊡L⊡ Dir	General Column Source Aggregation Levels	
	□ Data	
	Type: VARCHAR	Length: 50 🔽 Nullable
	Derives from:	
	DimAccountWest.AccountDescription	
DimAccount		
E Sources	Column Source Type	
DimAccount (East)	Derived from physical mappings	
AccountCodeAlternateK	Show all logical sources	
Account Description		
AccountKey	Logical Table Source Mapped as	
Account Type	Madventureworks"."AdventureworksDW2016CTP3"."dbo"."D	
CustomMembers	DimAccount (West)	imAccountWest"."AccountDescription"
Operator		[ • ]
ParentAccountCodeAlte		
ParentAccountKey		Edit Unmap
Value Type     DimCurrency		
+ DimCustomer	O Derived from existing columns using an expression	<u> </u>
i man -		
DimDate		A
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DimDepartmentGroup     DimOrganization     DimProduct		

Logical Table Source - D	imAccount (East)		_ 🗆 🗙
General Column Mapping Co	ontent Parent-Child Settings	1	
Aggregation content, group by	/ Logical Level		•
Show mapped	Show unmapped		More
Logical Dimension	Logical Level		
Fragmentation content:			
"AdventureWorksBM"."DimA	ccount"."Region" = 'E'	<b>~</b>	
			<u> </u>
This source should be corr	bined with other sources at th	is level 🔶 🔶	-
Use this "WHERE clause" filte	er to limit rows returned (exclud	le the "WHERE	"):
			-
Select distinct values			
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Variable Manager					<u> </u>
New Close Alt F4 Close Alt F4 Dynamic Session Initialization Variables System Session Non-System	c Blocks curity		Initialization Block Variable	Name	
For Help, press F1		_			//.

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Name:	initTimeCom	parison						
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Schedule								
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Refresh int	terval:	1				(hours)		•
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Repository Variab	le Initialization B	lock Data Sour	ce - initTimeCo	_ 🗆 🗙
Data Source Type:	Database	<b>-</b>		
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Connection Pool:	not assigned		Br	owse
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Select Connection Pool		
Adventureworks Connection Pool UW Init Blocks AdventureworksDW2016CTP3	DW Init I	Connection Pool
Connection Pool : "Adventureworks"."DW Init	Blocks"	1

Repository Variat	ole Initializa	tion Block [	Data Sourc	e - initTime	Co 🗆 🗙
Data Source Type:	Database	-	·		
Default initializat	ion string C	Use database	specific SQL	C Use OBI EE	Server
SELECT year(DATE	ADD(yy,-1,GETI	DATE())), year(D	ATEADD(yy,-	2,GETDATE()))	
Connection Pool:	"Adventure	eworks". "DW Ini	t Blocks"	-	Browse
Test			ОК	Cancel	Help

Results		<u> </u>
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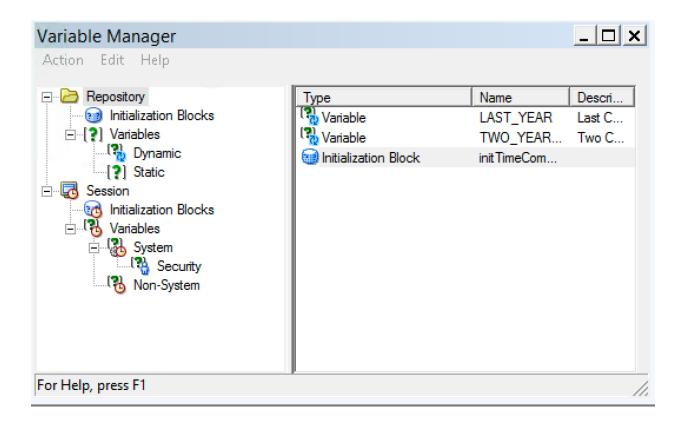
Repository Variable	Initialization Block - initTimeCompa	arison 📃 🗆 🗙
Name: initTimeCom	parison	
Disabled		
Schedule		
Start on:	26 May 2016 01:19:43	
Refresh interval:	1 (hours)	•
Data Source		
Connection Pool:	"Adventureworks". "DW Init Blocks"	Edit Data Source
Database: SQL Server 7	0/2000 (Initialization string inherited from Defau	lt Initializer)
SELECT year (DATEADD	(yy,-1,GETDATE())),year(DATEADD(yy,-2,GETD	ATE()))
•		
 ⊤Variable Target		
No variable target settin	g was made	
		Edit Data Target

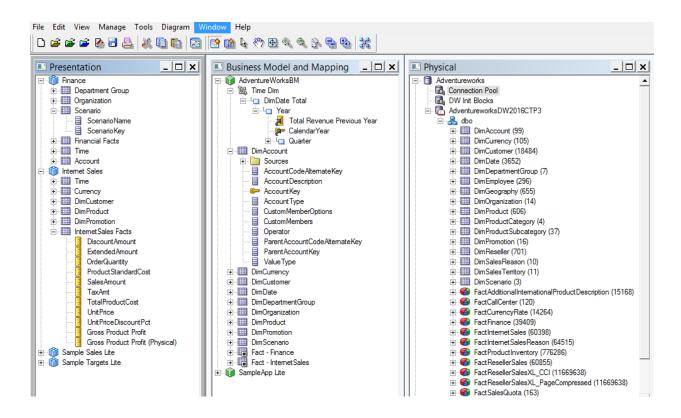
Repository Variable Initiali	ization Block Variable Target - i
Variable	Default Initializer
Up New Row-wise initialization Use caching	Dynamic Repository Variable - LAST_Y Name: LAST_YEAR Type: Static Dynamic Initialization Block: initTimeComparison Default Initializer: 2015 Description Last Calendar Year OK Cancel Help
Description	cyF
Test	OK Cancel Help

epository Variable Ini	tialization Block Variab	le Target - i 💶 🗙
Variables		
Variable	Default Initializer	
LAST_YEAR	2015	×
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Up	Down	Edit
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Repositor	y Variable	nitialization	Block - initTir	neCompa	rison	<u> </u>
Name:	initTimeCom	parison				
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SELECT	year(DATEADD	(yy,-1,GETDATE	:())), year (DATEADD	(yy,-2,GETD/	ATE()))	
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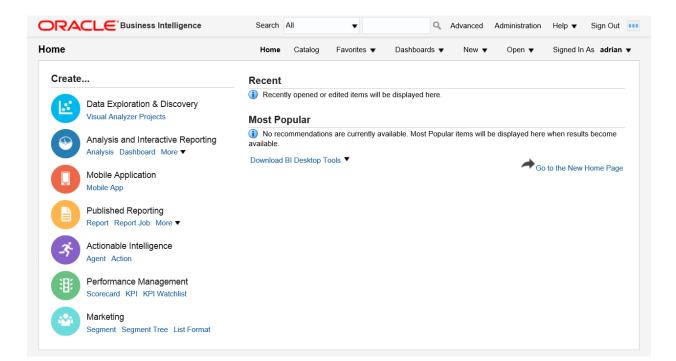
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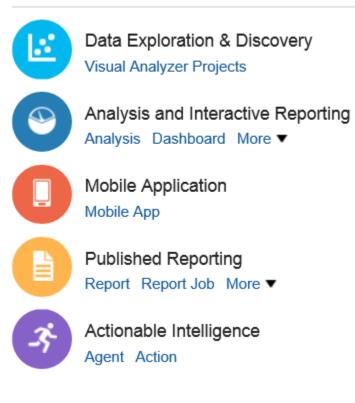


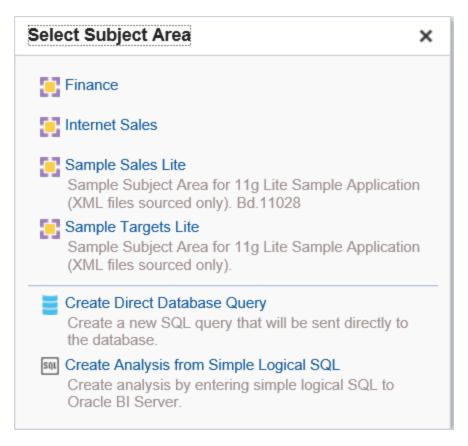
## **Chapter 8: Creating Dashboards and Analyses**

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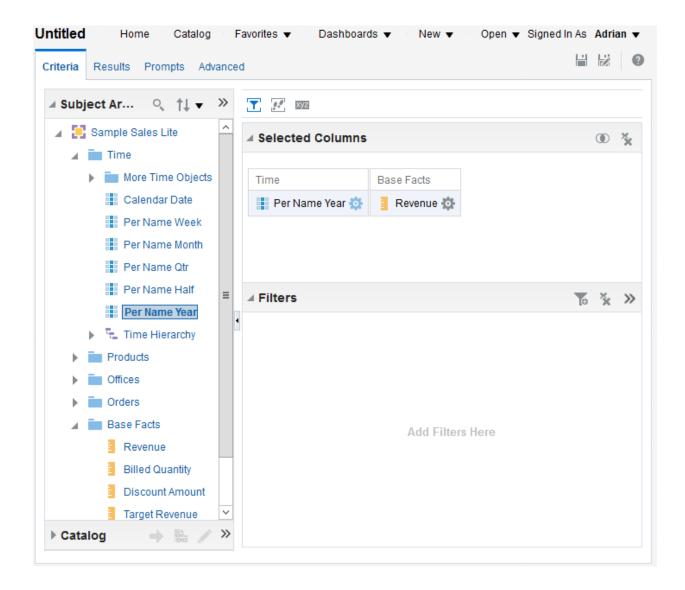


# Create ...





Criteria Results Prompts Advance	ed		12	
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<ul> <li>Sample Sales Lite</li> <li>Time</li> </ul>	✓ Selected Columns		۲	×
<ul> <li>Products</li> <li>Offices</li> </ul>	Drop Columns Here			
Orders	⊿ Filters	T.O	×	>>
<ul> <li>Base Facts</li> <li>Calculated Facts</li> </ul>	1			
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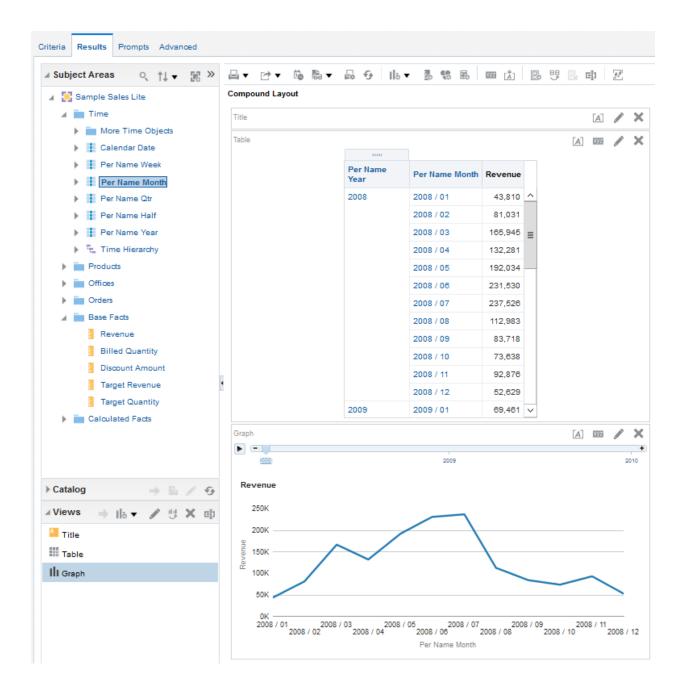


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🔺 🚞 Base Facts		2008	1,500,000				
Revenue		2009	1,700,000				
Billed Quantity		2010	1,800,000				
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Calendar Date			1000	A	<u>014</u>	
Per Name Week			Per Name Year	Per Name Month	Revenue	
Per Name Month			2008/01	43,810	-	
Per Name Qtr			2008/02	81,031		
Per Name Half				2008/03	165,945	
Per Name Year				2008/04	132,281	≡
🕨 📜 Time Hierarchy	≡			2008/05	192,034	
Products		4		2008/06	231,530	
Offices				2008/07	237,526	
Orders				2008/08	112,983	
🔺 🚞 Base Facts				2008/09	83,718	
Revenue				2008 / 10	73,638	
Billed Quantity				2008 / 11	92,876	
Discount Amount				2008 / 12	52,629	
Target Revenue			2009	2009/01	69,461	

eria Results Prompts Advance	d
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Orders	Drag/drop measures, columns and hierarch	ies to determine graph layout		
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Discount Amount	Sections 🔤 🗹 Display as Slider			
Target Revenue	Per Name Year			
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	📔 🖥 Revenue	Per Name Month	Revenue	
		Vary Color By (Horizontal Axis)		
		Show In Legend		
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			Show Subject Area Folders	
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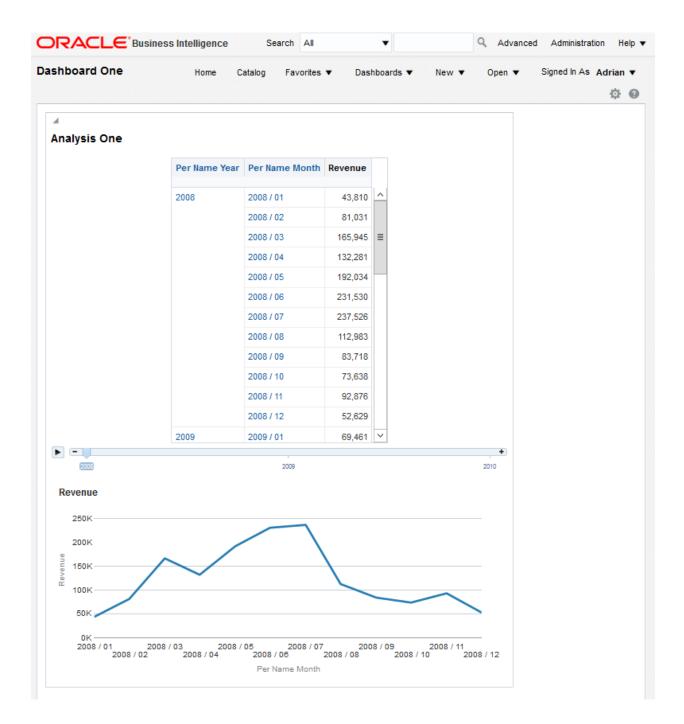
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<ul> <li>My Folders</li> <li>Shared Folders</li> <li>Components</li> <li>Sample Lite</li> <li>Book</li> </ul>	Name Type Last Modified Own	er
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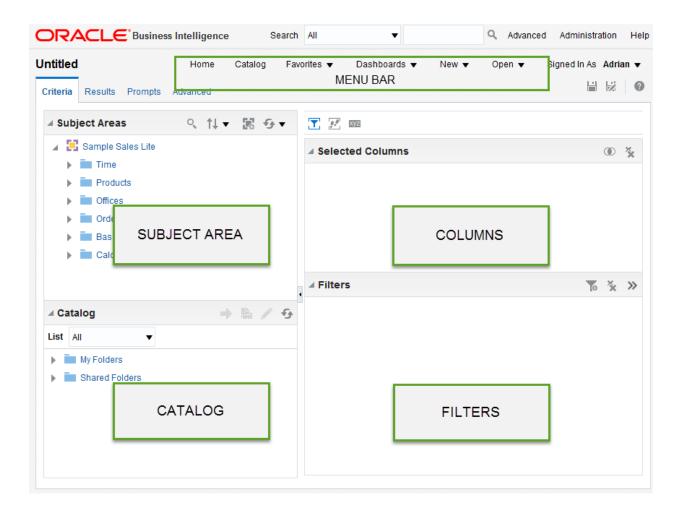
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🗙 Delete	🕂 Upload																	
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E] Rename	Permissions																	
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	ne and location for the new dashboard	
Name	Dashboard One	
Description	This is our first ever Dashboard. Hello World!	1
		1
Location	/Shared Folders/Book/Dashboards	•

	Search All	•	Q Advanced	Administration	Help 🔻 Sign	Out 💴
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Dashboard Ob Column Column Section Alert Section Alert Section Action Link Action Link Menu Link or Image Embedded Content Text Folder Catalog Fine Shared Folders		Drop	Content Here			

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Column	Section 1
Section	
Alert Section	
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Action Link Menu	Compound View
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Embedded Content	
T Text	
Folder 1	
⊿ Catalog	
🔺 🚞 Shared Folders	
A 💼 Book	
Dashboards	
Search Analysis One	
Components     Sample Lite	
Sample Lite	





Products		
Brand	ø	
	†↓ Sort ►	l
	<i>fx</i> Edit formula	l
	Column Properties	l
	To Filter	l
	🗙 Delete	l
	🔛 Save Column As	

dit Column Form	ula														
Column Formula	Bins														
Fol	der Heading	Produ	cts												
Colu	ımn Heading	Brand													
				n Headings ns HTML N											
Aggregation Rule	(Totals Row)	Defaul	t (No	one)	•										
Available				Column F	Formula										
Subject Areas		0		"Product	s"."Brand"										
🔺 📜 Sample S	Sales Lite														
🕨 🚞 Time															
🕨 🚞 Produ	icts														
🕨 🚞 Office	S		8												
🕨 📄 Order	s		~												
🕨 🖿 Base	Facts														
🕨 🚞 Calcu	lated Facts														
				f()	Filter	Column	-	Variable	•	+	x	1	%	(	

Column Properties	@ ×
Style Column Format Data Format Conditional Format Interaction Write Bac	k
Headings	🗌 Hide
Folder Heading Products	A
Column Heading Brand	A
<ul> <li>✓ Custom Headings</li> <li>☐ Contains HTML Markup</li> </ul>	
Value Suppression	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
Suppress O Repeat	
Save as Default	OK Cancel

Column Properties	0	×
Style Column Format Data Format Conditional Format Interaction Write Back		
上 単 暗 Font		
Family Default (System)		
Color 🔽 🔻 Style Italic 💌 Effects Default (System) 💌		
Cell		
Horizontal Alignment Right    Right   Background Color		
Vertical Alignment Default (Top)  Wrap Text		
Image Select Image		
Position Default (System) 🔻		
Border		
Position Default (System)   Border Style Default (System)		
Border Color		
Additional Formatting Options		
Custom CSS Style Options (HTML Only)		
Save as Default ▼ OK	Cano	el:

Column Properties					(	2	×
Style Column Format	Data Format	Conditional Format	Interaction	Write Back			
Override Default Data	Format						
Date Format	08 June, 2003		•				
Custom Date Format	[FMT:dateSho	rt]					
			Save	as Default 🔻	ок с	ance	el

,	Column Properties												
	Style	Column Format	Data Format	Conditional Format	Interaction	Write Back							
	✓ Ov	verride Default Dat	a Format										
		Date Format	Custom		•								
	Cust	tom Date Format	dddd										

New Cond	ition		0	×
Column	Revenue			
Operator	is less than			•
Value	1000			
	Add More Options <b>•</b>	Clear All		
		ОК	Canc	el

Table		A	572 / X
Brand	Calendar Date	Day	Revenue
BIZTECH	07 January, 2008	Monday	2,167
	08 January, 2008	Tuesday	1,920
	19 January, 2008	Saturday	3,151
	21 January, 2008	Monday	3,718
	22 January, 2008	Tuesday	245
	23 January, 2008	Wednesday	2,512
	24 January, 2008	Thursday	4,015
	27 January, 2008	Sunday	1,796
	02 February, 2008	Saturday	4,133
	10 February, 2008	Sunday	1,081
	13 February, 2008	Wednesday	5,339
	14 February, 2008	Thursday	4,108
	15 February, 2008	Friday	583
	17 February, 2008	Sunday	3,915

Column Properties	@ ×
Style Column Format Data Format Conditional Format Interaction V	Vrite Back
Column Heading	
Primary Interaction Default (Drill)	
Value	
Primary Interaction Action Links	
Action Links	
Link Text Action Show Link	
New Action Link	@ ×
Link Text Example Link	
Do not Action	考済 這 »
Enable Show Link    Always    Conditionally	券 Navigate to BI Content
	券 Navigate to a Web Page
	券 Invoke a Web Service
	券 Invoke a Java Method
	券 Invoke a Browser Script
Save as	D 💰 Invoke Server Script
<u>~</u>	券 Invoke an HTTP Request

New Filter		0	×
Column	UPPER(Brand) fx		
Operator	is equal to / is in 🔹		
Value		•	2
	BIZTECH		
Protect			
Convert			
	Search Limited Values All Values		
	ОК	Cance	el

Analysis Two	ŀ	Home Catalog Fav	vorites 🔻 👘 Dashboard	ls 🔻 🔹 New	▼ Open ▼	Signed In As Adri	ian 🔻
Criteria Results Prompts Advanced							0
🛛 Subject Areas 🔍 🏦 🗸 🚿	<b>Y #</b> 332						
✓ Sample Sales Lite ► Time	✓ Selected Co	lumns				۲	×
Products	Products	Time			Base Facts	Calculated Facts	
Offices     Offices     Offices	Brand 🔅	📑 Per Name Year 🔯	🚺 Calendar Date 🏟	🚺 Day 🏠	Revenue 🎡	📕 # of Orders 🏠	
<ul> <li>Base Facts</li> <li>Calculated Facts</li> </ul>	⊿ Filters					¥ of	»
		Brand) is equal to / is in E e Year is greaterthan 200					

### Compound Layout

Title Analysis	Two		Edit T	able Prope	rties 🔏 🖊	×
Table					[A] 102 🖉	X
Brand	Calendar Date	Day	Revenue	# of Orders	Per Name Yea	F
BIZTECH	08 January, 2009	Thursday	2,507	1	2009	<u>^</u>
	13 January, 2009	Tuesday	4,566	1	2009	
	19 January, 2009	Monday	3,849	1	2009	~~~

	Table			E	diting from: " Compound	Layout" Done	Revert
	∎ ☞ ‱▼ ⊍	01 9 3 8 B		1 🗾			
	⊿ Layout						
		umns and hierarchies to determine	e table layout.				
	Drop here for Table prom	pts					
	Sections <b>S</b> Xyz						
	Drop here for a sectioned	d Table					
<b>FF</b> 1	Table MZ						
	Columns and Measure	25 <u>xyz</u>					
	Products	Time		Base Facts	Calculated Facts	Time	
	🚦 Brand 🍄 🛛 🔊	🚺 Calendar Date 🍄 🛛 🔊	🚺 Day 🔅 🗵	🚦 Revenue 🍄	🚪 # of Orders 🔅	Per Name Year	¢; ∑
	Excluded						
	Drop here to exclude from	n this Table only					
	Selection Steps						

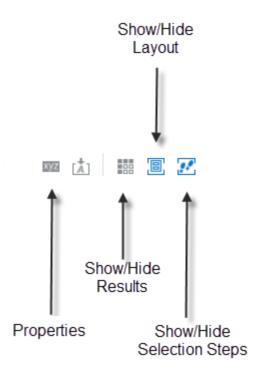


Table Properties		
Style		į
Data Viewing	<ul><li>Fixed headers wi</li><li>Content paging</li></ul>	th scrolling content
	Paging Controls	Bottom 🔻
	Rows per Page	5
Display Folder & Column Headings	As separate rows	•
Null Values	Include rows with	only Null values
Row styling	Enable alternate s	tyling Aa
Duplicate values	Repeat in each ro	w
Master-Detail	Listen to Master	-Detail Events
	Event Channels	Š

⊿ Layout							
Drag/drop measures, columns and hierarchies to determine table layout.							
Table Prompts 🔰 🛛	Z						
Time							
📕 Per Name Year 🔅	•						
Sections 🔊 🕅							
Drop here for a sectioned	Table						
Table m							
Columns and Measure	S 🔊 XYZ						
Products	Time	Base Facts	Calculated Facts				
📕 Brand 🍄 🗵	Calendar Date 🔹 🗵	Revenue 🍄	🚪 # of Orders 🔅				
Excluded							
Time							
🚺 Day 🏟 🔶		_					

Table A Sec X X Per Name Year 2010 V					
Products	Time	Base Facts	Calculated Facts		
Brand	Calendar Date	Revenue	# of Orders		
BIZTECH	16 January, 2010	3,129	1		
	17 January, 2010	9,692	2		
	22 January, 2010	4,058	1		
	25 January, 2010	988	1		
	28 January, 2010	4,490	1		
		🚯 Rows 1 - 5	;		

lia ▼ 🐉 🖏 🔤 👔		E#	U 🛛 🕄	8,	Ø.,	
Best Visualization						
Recommended Visualization	for ▶					
A Title						
Table						
Pivot Table						
50 Performance Tile						
Treemap						
Heat Matrix						
Trellis	►					
III Graph	►	th	Bar	Þ	th	Recommended Subtype
🕋 Gauge	►	~	Line		th	Vertical
🕨 Funnel	►		Area	Þ	=	Horizontal
🌐 Мар		¢	Pie		11:	Stacked Vertical
T Filters		ñ	Line-Bar	Þ	77	Stacked Horizontal
📝 Selection Steps		~	Time Series Line			100% Stacked Vertical
Other Views	►	<u>6.</u>	Pareto		<b>.</b>	100% Stacked Horizonta
		N	Scatter			
		:.	Bubble			
		1	Radar			
		b.	Waterfall			

Graph properties		@ ×
General Style Sca	ale Titles and Labels	
Canvas Width	900 Pixels	
Canvas Height	330 Pixels	
Legend	Default (Right) 🔻	
Zoom and Scroll	<ul> <li>Enable for Horizontal Axis</li> <li>Enable for Vertical Axis</li> </ul>	
Master-Detail	Listen to Master-Detail Events	
	Event Channels	
Null Values	Include Null values	
Animation	<ul> <li>Animate graph on Display</li> </ul>	
		OK Cancel

Pivot Table			A	/ X
Brand	2008	2009	2010	Revenue
BizTech	658,692	821,826	1,019,482	2,500,000
FunPod	542,613	556,666	400,721	1,500,000
HomeView	298,695	321,508	379,797	1,000,000
Grand Total	1,500,000	1,700,000	1,800,000	5,000,000

### ⊿ Layout

Drag/drop measures, columns and hierarchies to determine pivot table layout.

Pivot Table Prompts 🔰 🗤		1
Drop here for Pivot prompts		
Sections <b>E</b> xyz		
Drop here for a sectioned Pivot		
Pivot Table MZ		
	Columns 🔝 🛛	2
	Measure Labels	ф <sub>В</sub>
	Time	Per Name Year 🔅
Rows 🔊 📨	Measures	
Products	Base Facts	
📕 Brand 🔅	🚪 Revenue 🔅	
Evoludod		

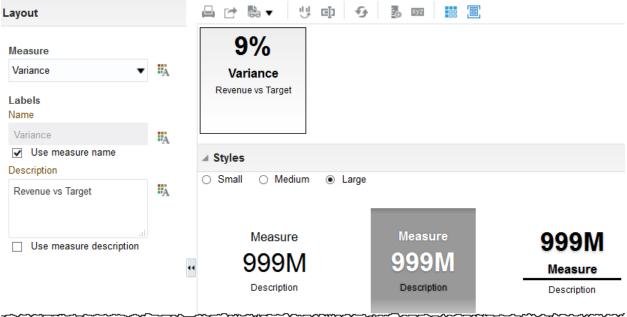
Excluded

Drop here to exclude from this Pivot only

Narrative 🖉		Editing from: " Co	mpound Layout"	Done
🖴 🖻 🖏 ▼				
	B <i>i</i> <u>u</u> Li	ne Break 🗹 Contains H	TML Markup	
Prefix	<font size="3">[u]Summary[/</font>	u][bt/][bt/]		
Narrative	[b]@1[/b] Sales in [b]@2[/b	] were \$@3[bt/][bt/]		
Row separator	<hr/>	F	Rows to display	3
Postfix	[br/]for more details see the Sales Dashboard.			
<u>Summary</u> BizTech Sales in	2008 were \$658,692			
BizTech Sales in	2009 were \$821,826			
BizTech Sales in	2010 were \$1,019,482			
for more details s	ee the Sales Dashboard.			

Insert Filter		0	×
Subject Areas Nore Product Objects	Replace the selection with this statement: FILTER("Base Facts"."Revenue" USING filter_expressions)		
Product Number Product	Double click a field from the left tree to add a column filter expression to filter_expressions.	D	
Product Type LOB	T Brand is equal to / is in BizTech		
■ Brand			
under		<b>-</b>	~~~

Performance Tile

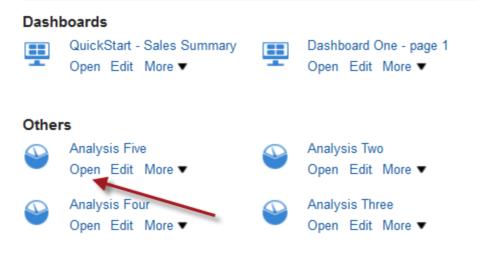


#### **Compound Layout**

Title 🖪 🖍 🗙 Analysis Four					×
Table		[A]	XYZ		×
Revenue	Biztech Revenue	BizTech Target		Varia	nce
1,500,000	658,692	580,	456		13%
Performance	Tile 13 Varia Revenue v	nce	XYZ		×

Edit Prompt: Choose Year 🛛 🕘		
Prompt For Column	"Time"."Per Name Year" fx	
Label	Choose Year	
	Custom Label	
Description		
Operator	is equal to / is in 🔹	
User Input	List Box 🔹	
Options		
General More		
List Box Values	All Column Values 🔹	
	Enable user to select multiple values Require user input	
	Limit values by All Prompts	
	Auto Fill   None  First Available Value	
Default selection	Specific Values 🔹 +🗙	
	2009	
Set a variable	None 🔻	
	OK Cancel	

### Recent



New Filter		?	×
Column	Per Name Year	fx	
Operator	is prompted		•
		OK Can	cel

New Prompt:	@ >	¢
Prompt For Column	"Time"."Per Name Year" fx	
Label	Per Name Year	
	Custom Label	
Description		
Operator	is equal to / is in 🔹	
User Input	Choice List 🔹	
Options		
General More		
Choice List Values	All Column Values	
	<ul> <li>Include "All Column Values" choice in the list</li> <li>Enable user to select multiple values</li> <li>Enable user to type values</li> <li>Require user input</li> </ul>	
	Limit values by All Prompts	
	Auto Fill    None  First Available Value	
Default selection	Specific Values 🔹 +X	
	2010	
Set a variable	None 🔻	
	OK Cancel	

Dashboard One	Home Catalog Favorites 🔻	Dashboards 👻 🐘 New 👻 👘 Open 👻 👘 Signed In As 🛛 Adrian	•
page 1 Page Two Page Three		🖹 💺 🍄 🗞Preview 🕞Run 🗎 🔛	0
▶ Dashboard Obj	Column 1		
⊿ Catalog	Section 1		
🔺 🚞 Shared Folders	^		
a 🚞 Book			
▶ 🚋 Dashboards		Prompt One	
Analysis Five			
🝚 Analysis Four			
🝚 Analysis One	****		
😜 Analysis Six	Ξ	Analysis Six	
😜 Analysis Three		Compound View	
🝚 Analysis Two			
🏓 Prompt One			
Components			
🕨 🚞 Sample Lite			

ashboard On	е	Home
bage 1 Page Tw	Page Three	
4		
* Per Name	Year 2008	•
	Apply F	Rosot 💌
Analysia Six	,	Reset 🔻
Analysis Six		Reset ▼
Analysis Six Per Name Year		
Per Name		
Per Name Year	Per Name Qtr	Revenue
Per Name Year	Per Name Qtr           2008 Q1	<b>Revenue</b> 290,786

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					4
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G ▼ Compound Layout	9 Ilo ▼ 70 % Fo	
Column 1		
Section 1		
Analysis Seven		Display Results Report Links
Year Layout	Default Compound View	Show View
	Compound Layout 1	Rename
	Title 1	Edit Analysis
	Table 1	
	Year Totals Table	
	Revenue Lines Graph	
	🗸 Year Layout 🛛 🔶	
	Title 2	
	Graph Revenue Layout	
	Title 3	

ection 1			
			xyz 🗙
	Embedded in Section	Display Results	Þ
Analysis Seven	Link - Within the Dashboard	Report Links	
Graph Revenue Layout	🗸 Link - In a Separate Window	Show View	
		Rename	
		Edit Analysis	

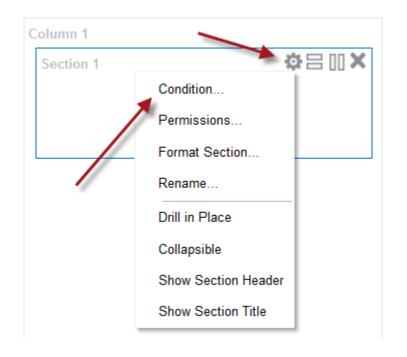
Report Links	@ ×
O Inherit Page Settings	Customize
Analyze	Edit
Export	Refresh
Add to Briefing Book	Print
Сору	
	OK Cancel

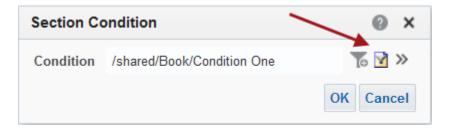
Criteria <b>Results</b> F	Prompts A	dvanced			80
Niew Selector				Done	Revert
	ி ப				
Caption	Select View	c.	Aa		
Caption Position	Start 🔻				
Ava	ailable Viev	WS	Views Included	d	
Title Year Totals Table Revenue Lines Grap Title:2 Title:3	_	Year Layout Graph Revenue Table	Layout	]	
Select View:	Year Layout	t 🔻			
Title (2)		[A] 💉 🗙			
Analysis Seve	n				
Year Totals Table	D	A] 1022 💉 🗙			
Per Name Year	Revenue	Target Revenue			
2008	1,500,000	1,348,053			
2009	1,700,000	1,543,986			
2010	1,800,000	1,607,961			
Grand Total	5,000,000	4,500,000			

Year Layout	•		
n			
Revenue	Target Revenue		
1,500,000	1,348,053		
1,700,000	1,543,986		
1,800,000	1,607,961		
	Revenue 1,500,000 1,700,000	Revenue         Target Revenue           1,500,000         1,348,053           1,700,000         1,543,986	Revenue         Target Revenue           1,500,000         1,348,053           1,700,000         1,543,986

Analysis Eight		Home Catalog Fa
Criteria Results Prompts Advanced		
⊿ Subject Areas 🔍 ↑↓ 🔻 ≫	<b>Y g g XX</b>	
🖌 📋 Sample Sales Lite	▲ Selected Columns	
🕨 🚞 Time		
Products	Time	Base Facts
Offices	📕 Per Name Month 🔅	Revenue
Orders		
🕨 🚞 Base Facts		
Calculated Facts		
∡Catalog → 💺 🖉 ≫	⊿ Filters	
List All	T Per Name Month is AND ₩ Revenue is less tha	equal to/is in 2011 / 12
My Folders		
A 🚞 Shared Folders		
a 💼 Book		
Dashboards		
Components		
Sample Lite		

New Condition			0	×
Select the data that the Condition will be based on and define how the Condition will evaluate to "True".				
Create condition based on	Analysis 🔹	Browse		
Condition Data				
Parameters	"Time"."Per Name Month" is prompted			
True If Row Count	is greater than 🔹	0	* *	
		Test S	ave Canc	el





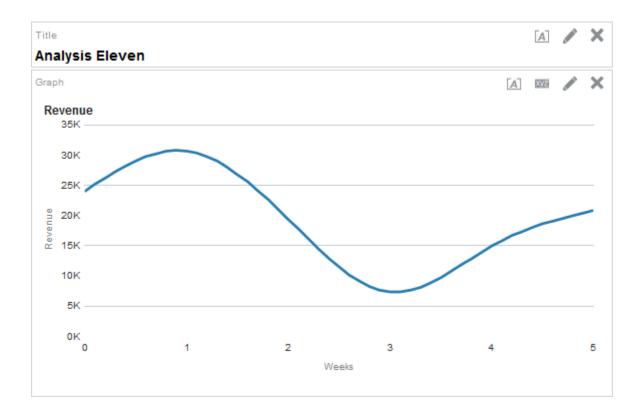
Text Pr	operti	es						0	×
Enter te	ext and f	ormattin	ig tags below to ii	nclud	le on you	r Dashbo	ard.		
В	i	<u>u</u>	Line Break	✓	Contain	s HTML N	Markup		
[b]Sale 	•		0,000[/b]						.4
Previ Sales a		ow 100,0	000						

Column 1
Section 1
Α
Text 1 <font color="Red"> [b]Sales are below 100,000[/b] </font>
Section 2
Prompt Two
Analysis Eight Compound View

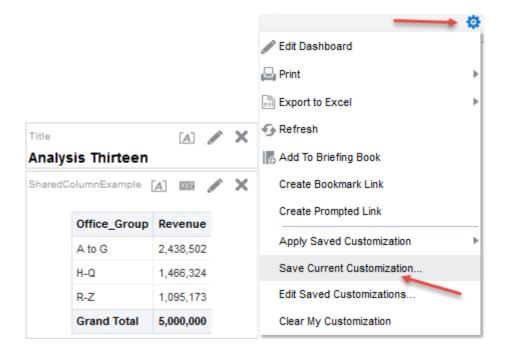
Column Properties	0	×
Style Column Format Data Format Conditional Format Interaction Write Back		
Column Heading		
Primary Interaction Default (Drill) 🔻		
Value		
Primary Interaction Send Master-Detail Events 🔻		
Specify channel salesyear		
Save as Default ▼ OK	Cano	el:

Graph properties	Θ×
General Style Scale Titles and Labels	
Canvas Width 640 Pixels	
Canvas Height 330 Pixels	
Legend Default (Right) 🔻	
Zoom and Scroll Enable for Horizontal Axis Enable for Vertical Axis	
Master-Detail 🖌 Listen to Master-Detail Events	
Event Channels salesyear	
Null Values 🗌 Include Null values 🛛 🤻	
Animation Animate graph on Display	$\mathbf{i}$
O	K Cancel

Title					A	/ X
Analysis Ten						
able					[A] XYZ	/ X
Per Name Year	Brand	Revenue	SUM of Revenue BY Year	SUM of Revenue	% of Year	% of Total
2008	BizTech	658,692	1,500,000	5,000,000	44%	13%
	FunPod	542,613	1,500,000	5,000,000	36%	11%
	HomeView	298,695	1,500,000	5,000,000	20%	6%
2008 Total		1,500,000	1,500,000	5,000,000	100%	30%
2009	BizTech	821,826	1,700,000	5,000,000	48%	16%
	FunPod	556,666	1,700,000	5,000,000	33%	11%
	HomeView	321,508	1,700,000	5,000,000	19%	6%
2009 Total		1,700,000	1,700,000	5,000,000	100%	34%
2010	BizTech	1,019,482	1,800,000	5,000,000	57%	20%
	FunPod	400,721	1,800,000	5,000,000	22%	8%
	HomeView	379,797	1,800,000	5,000,000	21%	8%
2010 Total		1,800,000	1,800,000	5,000,000	100%	36%
Grand Total		5,000,000	5,000,000	5,000,000	100%	100%



∡ Subject Ar… < <p></p>	
🔺 🕌 Sample Sales Lite	✓ Selected Columns
🕨 🚞 Time	
Products	Time Base Facts
Offices	📳 Per Name Year 🔯 🔋 Revenue 🔯 🤰 SUM of Revenue BY Year 🥸 🚦 SUM of Revenue
Orders	
Base Facts	✓ Selection Steps
Calculated Facts	
	List: ALL
	Measures
	Base Facts - Revenue
	Base Facts - SUM of Revenue BY Year
	Base Facts - SUM of Revenue
	Base Facts - % of Total
	Base Facts - % of Year
	Time - Per Name Year
	1. Start with all members
	↓ 2. Then, New Step
	Products - Brand
	1. Start with all members
🖌 Catalog 🛛 🍦 🐘 🥖	>>> ↓ 2. Then, New Step
List All 🔻	Select Members
	Add Groups or Calculated Items  Select Existing Groups and Calcula
My Folders	Apply a Condition New Group
Shared Folders	Appy a conduion new droup



Ana	alysis Proper	ties			0	×
F	Results Display	Interactions	Data			
	Views Run-tim	ne Options	All Interactions			
		•	Drill(when not a prim	nary interaction)		
		•	Move Columns			
		•	Sort Columns			
			Add/Remove Values	i i		
			Create/Edit/Remove	Groups		
			Create/Edit/Remove	Calculated Items		
			] Display/Hide Sub-tot	als		
			Display/Hide Running	g Sum		
		•	Include/Exclude Colu	imns		
		Resto	ore Admin Settings	OK Cancel		

# **Chapter 9: Agents and Action Framework**

Middleware Control 12c	🔚 WebLogic Domain 💌 🛛 biadmin 🕚	*
	<u>∩</u> •	
estart to take effect.	⊙ │ 05-Feb-2017 11:21:48	8 GMT <b>1</b>
Security		
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sed by Oracle BI Agents.		
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The second		
	estart to take effect. Security sed by Oracle BI Agents. obi12cbook.info 25  OBIEE Bikeshop Analytics Delivery Idapadmin@obi12cbook.info Idapadmin	estart to take effect. Security  sed by Oracle BI Agents.  obi12cbook.info  25  OBIEE Bikeshop Analytics Delivery Idapadmin@obi12cbook.info Idapadmin 0  0  0  0  0  0  0  0  0  0  0  0  0



👥 🍪 Mobile Application Mobile App



Report | Report Job | More 🔫



錄 Performance Management

Scorecard | KPI | KPI Watchlist



🔠 Segment | Segment Tree | List Format

 Analysis Ten Last Modified 10/1/2 demonstrating Calculations	016 2:39:00 PM Owner Ad	irian
 Open Edit More → Analysis Thirteen Last Modified Open Edit More →	<ul> <li>Edit</li> <li>Print</li> </ul>	er Adrian
 Analysis Three   Last Modified 8/2 Open   Edit   More ▼	Export     Add to Briefing Book     Schedule	drian

ORAC	LE.	OBIEE 1	2c Book	Search All	*		•	Advanced	d Administr	ation	Help 👻 S	ign Out	, O
Untitled A	lgent			Home   Cata	log   Favorites	🗕 🕴 Dashbo	ards 👻 📋	💁 New 👻 📔	눧 Open	-   Sig	ned In As	biadm	in 👻
Overvie	General Schedule Condition	Not Schedule Analysis Ten			: biadmin	Destinatio	ons If Cond		none selecte	ices in a ed>			?) file
General	Schedule	Condition	Delivery Content	Recipients	Destinations	Actions							
Set the p	riority level fi	Priority () () Run As ()	Normal Low	or impersonating biadmi		at runtime.	٩						

General	Schedule	Condition	Delivery Content	Recipients	5 Destinations	Actions
When o	do you want the	Agent to be	scheduled to run?			
	Ena	bled 🕑				
	Frequ	ency Once		*		
	5	Start 02/05/2	2017 01:17:00 PM	Eo.	Default	
	Re-run Agent E	very 📄 1	Minutes			
	1	Until 11:59:0	0 PM	12	Default	

	Schedu	le Conditi	on Delivery Content	Recipients	Destinations	Actions	
lise	a condition t	o specify whet	ther the Agent delivers it	a <u>an an</u> an	uns associated :	actions	
030	a contraction e		Do not use a conditi				)
		Jeenings	Use a condition		wse	Turi acciona	/
			Condition ROWCOU	and a second second second		ct Save	To Catalog
			Based on /Shared F				
	S	ettings ()) Do	not use a condition (alv	vavs deliver con	tent and run act	tions)	
	6	Test	×	Browse			
		rest	2.7.7.7	alysis Ten') > 0	Test S	Save To Cata	alog
	TÌ	he condition		/Book/Analysis 7			
			ОК				
neral	Schedule	Condition	Delivery Content	Recipients	Destinations	Actions	
				Recipients	Destinations	Actions	
		to deliver with	the Agent		Destinations	Actions	
		to deliver with Subject	the Agent Current Update - Brand b	by Revenue		Actions	
		to deliver with Subject Content	the Agent Current Update - Brand t Condition Analysis 🔽	by Revenue Browse	Destinations	Actions Clear	
		to deliver with Subject Content	the Agent Current Update - Brand t Condition Analysis 💌 Shared Folders/Book/Ana	by Revenue Browse			
		to deliver with Subject Content Format	the Agent Current Update - Brand to Condition Analysis V Shared Folders/Book/Ana HTTML	by Revenue Browse alysis Ten			
		to deliver with Subject Content Format	the Agent Current Update - Brand to Condition Analysis V Shared Folders/Book/Ana HTML V Deliver results directly	by Revenue Browse alysis Ten			
		to deliver with Subject Content Format	the Agent Current Update - Brand to Condition Analysis V Shared Folders/Book/Ana HTTML	by Revenue Browse alysis Ten			
		to deliver with Subject Content Format	the Agent Current Update - Brand to Condition Analysis V Shared Folders/Book/Ana HTML V Deliver results directly Deliver as attachment	by Revenue Browse alysis Ten			
		to deliver with Subject Content Format	the Agent Current Update - Brand to Condition Analysis V Shared Folders/Book/Ana HTML V Deliver results directly Deliver as attachment	by Revenue Browse alysis Ten			
		to deliver with Subject Content Format	the Agent Current Update - Brand to Condition Analysis V Shared Folders/Book/Ana HTML V Deliver results directly Deliver as attachment	by Revenue Browse alysis Ten			
		to deliver with Subject Content Format	the Agent Current Update - Brand to Condition Analysis V Shared Folders/Book/Ana HTML V Deliver results directly Deliver as attachment	by Revenue Browse alysis Ten			
	the content	to deliver with Subject Content Format Delivery	the Agent Current Update - Brand to Condition Analysis V Shared Folders/Book/Ana HTML V Deliver results directly Deliver as attachment	by Revenue Browse alysis Ten			
	the content	to deliver with Subject Content Format Delivery	the Agent Current Update - Brand R Condition Analysis V Shared Folders/Book/Ana HTML Deliver results directly Deliver as attachment Attachment Note	by Revenue Browse alysis Ten	Customize	Clear	: other sources if
specify	the content	to deliver with Subject Content Format Delivery	the Agent Current Update - Brand B Condition Analysis V Shared Folders/Book/Ana HTTML V Deliver results directly Deliver as attachment Attachment Note	by Revenue Browse alysis Ten	Customize	Clear	t other sources if
	the content	to deliver with Subject Content Format Delivery	the Agent Current Update - Brand B Condition Analysis V Shared Folders/Book/Ana HTTML V Deliver results directly Deliver as attachment Attachment Note	by Revenue Browse alysis Ten	Customize	Clear	t other sources if

elect	Recipients				Use Analysis
Show	All		*	+ 🖻 🛛	Get Recipients from the Analysis Used in the Agent Condit
Na	me				Analysis
å	biadmin				
å	christian				

# Direct Agent Recipients Specify who will receive this Agent.

Select Recipients	Enter Email Address	?	×	
Show All	Email address for content delivery (separate multiple addresses with commas):			÷U
Name	haroun@obi12cbook.info			l
🖉 biadmin				L
👌 christian				l
				l
	ОКСА	ance	ł	l
			-	

General	Schedule	Condition	Delivery Content	Recipients	Destinations	Actions
Specify	where this A	gent will be de	elivered.			
	User De	stinations 🕑	Home Page and Das	hboard		
		4	Devices			
			Active Delivery P	rofile		
			O Specific Devices	(will override a	user's Active Deliv	ery Profile
			Email			
			Pager			
			Digital Phone			
			Handheld Dev	ice		

Name	Invo 🔅 Invoke a Web Service invoke a Java Method invoke Server Script invoke an HTTP Reque Invoke Agent
Image: Condition Analysis       Image: Customize         Image: Customize       Image: Customize         Image: Customi	Clear

Get Messages 🔻 🗹 Write 🔻	🗭 Chat	Address	Book	🗣 Tag 🔻 🝸 Quick Fi	lter	Search <(	Ctrl+K>				≡
christian@obi12cbook.info	🔍 👓 Unrea	ad ★ Starr	ed 🚨 Co	ontact 🔖 Tags 🖉 Atta	chment		Filter the	se messages <(	Ctrl+Shift	+K>	۶
🕙 Inbox (1)	★ @Su	ıbject				• From			<b>Ú</b> D	ate	
Deleted		ow's the bo	ok comina	i along		<ul> <li>harou</li> </ul>				5/02/2017 11:2	
La cal Caldera			-	by Revenue			E Bikeshop Ana	htics Delivery		5/02/2017 14:2	
Delated		•		by Revenue			E Bikeshop Ana			6/03/2017 20:2	
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	😭 🚸 Cu	irrent Upda	ate - Bran	d by Revenue		<ul> <li>OBIE</li> </ul>		alytics Delivery	00	6/03/2017 20	:33
				+	🔋 Reply 🛛 🦘 Re	ply All 👻	➡ Forward	Archive	🍐 Junk	: 🚫 Delete	More
	bject Curre To harou nalysis Ten	n@obi12cb	-							05/02/	2017 14:
An	To harounalysis Ten	n@obi12cb	ook.info	7, Me🏫	SIIM of Devenue	% of Veer	% of Total			05/02/	2017 14:
An Pe	To haroun nalysis Ten er Name Year	n@obi12cb Brand	ook.info 🏠 Revenue	7, Me☆ SUM of Revenue BY Year						05/02/	2017 14:
An Pe	To harounalysis Ten	n@obi12cb	ook.info	7, Me🏫	5,000,000	% of Year 44% 36%	% of Total 13% 11%			05/02/	2017 14:
An Pe	To haroun nalysis Ten er Name Year	n@obi12cb Brand BizTech	ook.info Revenue 658,692	7, Me😭 SUM of Revenue BY Year 1,500,000	5,000,000	44%	13%			05/02/	2017 14:
An Pe 20	To haroun nalysis Ten er Name Year	Brand BizTech FunPod HomeView	Revenue 658,692 542,613	, Me SUM of Revenue BY Year 1,500,000 1,500,000	5,000,000 5,000,000 5,000,000	44% 36%	13% 11%			05/02/	2017 14:
An Pe 20 20	To harou nalysis Ten er Name Year 008	Brand BizTech FunPod HomeView BizTech	Revenue 658,692 542,613 298,695 <b>1,500,000</b> 821,826	, Me SUM of Revenue BY Year 1,500,000 1,500,000 1,500,000 1,500,000 1,700,000	5,000,000 5,000,000 5,000,000 <b>5,000,000</b> 5,000,000	44% 36% 20% <b>100%</b> 48%	13% 11% 6% <b>30%</b> 16%			05/02/	2017 14:
An Pe 20 20	To haroun nalysis Ten er Name Year 008 008 Total	Brand BizTech FunPod HomeView BizTech FunPod	Revenue 658,692 542,613 298,695 <b>1,500,000</b> 821,826 556,666	, Me SUM of Revenue BY Year 1,500,000 1,500,000 1,500,000 1,500,000 1,700,000 1,700,000	5,000,000 5,000,000 5,000,000 <b>5,000,000</b> 5,000,000 5,000,000	44% 36% 20% 100% 48% 33%	13% 11% 6% 30% 16% 11%			05/02/	2017 14:
An Pe 20 20 20	To haroun nalysis Ten er Name Year 008 008 Total 009	Brand BizTech FunPod HomeView BizTech FunPod HomeView	Revenue 658,692 542,613 298,695 <b>1,500,000</b> 821,826 556,666 321,508	, Me SUM of Revenue BY Year 1,500,000 1,500,000 1,500,000 1,500,000 1,500,000 1,700,000 1,700,000 1,700,000	5,000,000 5,000,000 5,000,000 5,000,000 5,000,000	44% 36% 20% 100% 48% 33% 19%	13% 11% 6% <b>30%</b> 16% 11% 6%			05/02/	2017 14:
An Pe 20 20 20 20	To haroun nalysis Ten er Name Year 008 008 Total 009 009 Total	Brand BizTech FunPod HomeView BizTech FunPod HomeView	Revenue 658,692 542,613 298,695 <b>1,500,000</b> 821,826 556,666 321,508 <b>1,700,000</b>	, Me SUM of Revenue BY Year 1,500,000 1,500,000 1,500,000 1,700,000 1,700,000 1,700,000 1,700,000 1,700,000	5,000,000 5,000,000 5,000,000 5,000,000 5,000,000	44% 36% 20% 100% 48% 33% 19% 100%	13% 11% 6% <b>30%</b> 16% 11% 6% <b>34%</b>			05/02/	2017 14:.
An Pe 20 20 20 20	To haroun nalysis Ten er Name Year 008 008 Total 009	Brand BizTech FunPod HomeView BizTech FunPod HomeView	Revenue 658,692 542,613 298,695 <b>1,500,000</b> 821,826 556,666 321,508	, Me SUM of Revenue BY Year 1,500,000 1,500,000 1,500,000 1,500,000 1,500,000 1,700,000 1,700,000 1,700,000	5,000,000 5,000,000 5,000,000 5,000,000 5,000,000	44% 36% 20% 100% 48% 33% 19%	13% 11% 6% <b>30%</b> 16% 11% 6%			05/02/	2017 14:.
An Pe 20 20 20 20	To harour nalysis Ten er Name Year 008 008 Total 009 009 Total 010	Brand BizTech FunPod HomeView BizTech HomeView BizTech	Revenue 658,692 542,613 298,695 <b>1,500,000</b> 821,826 556,666 321,508 <b>1,700,000</b> 1,019,482	, Me SUM of Revenue BY Year 1,500,000 1,500,000 1,500,000 1,700,000 1,700,000 1,700,000 1,700,000 1,700,000 1,700,000 1,700,000 1,800,000	5,000,000 5,000,000 5,000,000 5,000,000 5,000,000	44% 36% 20% 100% 48% 33% 19% 100% 57%	13% 11% 6% 30% 16% 11% 6% 34% 20%			05/02/	2017 14:.
An Pe 20 20 20 20 20	To harour nalysis Ten er Name Year 008 008 Total 009 009 Total 010	m@obi12cb Brand BizTech FunPod HomeView BizTech FunPod HomeView BizTech FunPod HomeView	Revenue 658,692 542,613 298,695 <b>1,500,000</b> 821,826 556,666 321,508 <b>1,700,000</b> 1,019,482 400,721	, Me SUM of Revenue BY Year 1,500,000 1,500,000 1,500,000 1,500,000 1,700,000 1,700,000 1,700,000 1,700,000 1,700,000 1,700,000 1,800,000 1,800,000	5,000,000 5,000,000 5,000,000 5,000,000 5,000,000	44% 36% 20% 100% 48% 33% 19% 100% 57% 22%	13% 11% 6% 30% 16% 6% 6% 34% 20% 8%			05/02/	2017 14:2

🕐   Dashboards 👻   🎴 New 👻   🛅 Open 👻   Signed In As christian 👻
Normal 2/5/2017 1:30:30 PM GMT+01:00 View   Clear   More -
@ ×

### Current Update - Brand by Revenue

Priority Normal

Delivered 3/6/2017 8:33:18 PM GMT+01:00

Recurrence 2

Source Agent 🛛 Chapter 9 🖋 🖧

### Analysis Ten - Original

Per Name Year	Brand	Revenue	SUM of Revenue BY Year	SUM of Revenue	% of Year	% of Total
2008	BizTech	658,692	1,500,000	5,000,000	44%	13%
	FunPod	542,613	1,500,000	5,000,000	36%	11%
	HomeView	298,695	1,500,000	5,000,000	20%	6%
2008 Total		1,500,000	1,500,000	5,000,000	100%	30%
2009	BizTech	821,826	1,700,000	5,000,000	48%	16%
	FunPod	556,666	1,700,000	5,000,000	33%	11%
	HomeView	321,508	1,700,000	5,000,000	19%	6%

Clear Alert OK

^

Column Properties				@ ×
Style Column Format	Data Format	Conditional Forma	t Interaction Write Back	
Column Heading				
Primary Interaction	Default (Drill)	•		
Value				
Primary Interaction	Action Links	•		
Action Links			+/×	
Link Text	Actio	on Show Link	( <del>_</del>	
Add Menu Action	Links			
			×	
🖂 Do not display in a p	oopup if only one	action link is availa	ble at runtime	
Enable on Totals				
			Save as Default 🔻	OK Cancel

Primary Interaction Actio	n Links	
ction Links	4	1%
Link Text	New Action Link	(2) ×
Add Menu Action Links	Link Text	
	Action	@ @ = * >
	Show Link  Always  Conditionally	Navigate to BI Content
Do not display in a popup	Contracting of Anways Contractionary	Navigate to a Web Page
Enable on Totals		Invoke a Web Service
_ Englise on rotats		Invoke a Java Method
		Invoke a Browser Script
		Invoke Server Script
		Invoke an HTTP Request



#### Analysis Ten

Per Name Year	Brand	Revenue	SUM of F	Revenue BY Year	SUM of Revenue	% of Year	% of Total
2008	BizTe			1,500,000	5,000,000	44%	13%
	FunP 💱	Other Details		1,500,000	5,000,000	36%	11%
	HomeView	298,695		1,500,000	5,000,000	20%	6%
2008 Total		1,500,000		1,500,000	5,000,000	100%	30%
2009	BizTech	821,826		1,700,000	5,000,000	48%	16%
	FunPod	556,666		1,700,000	5,000,000	33%	11%

#### Analysis Seven

Per Name Year	Brand	Product	Revenue	Target Revenue	
2008	BizTech	izTech V5x Flip Phone		95,908	~
		CompCell RX3	57,256	46,973	
		Touch-Screen T5	102,482	98,861	
		KeyMax S-Phone	76,029	68,501	
		SoundX Nano 4Gb	102,606	91,887	_
		MicroPod 60Gb	125,403	105,893	=
		Bluetooth Adaptor	42,077	40,043	
		MP3 Speakers System	40,098	32,390	
	FunPod	MPEG4 Camcorder	115,434	109,606	

#### Compound Layout

Title				ų	h 🧷 🗙				
Analysis Ten									
Table				<b>1</b>	i 🧷 🗙				
Office	Revenue	SUM of Revenue BY Year	SUM of Revenue	% of Year	% of Tota				
Montgomery Office	220,143	5,000,000	5,000,000	4%	4%				
Blue Bell Office	302,022	5,000,000	5,000,000	6%	6%				
Foster Office	303,581	5,000,000	5,000,000	6%	6%				
Glenn Office	176,968	5,000,000	5,000,000	4%	4%				
Tellaro Office	212,298	5,000,000	5,000,000	4%	4%				
Madison Office	228,250	5,000,000	5,000,000	5%	5%				
Eden Office	247,448	5,000,000	5,000,000	5%	5%				
Sherman Office	343,863	5,000,000	5,000,000	7%	7%				
Casino Office	304,065	5,000,000	5,000,000	6%	6%				

Create New Action					0
Navigate to a V Enter the URL you	Veb Page u want this action to display.				
URL https://ww	vw.google.co.uk/search?q=@{1}	Define Paramete	ers		
efine Parameters					
	ue anywhere within the URL, use the tok ber of parameters that can be embedded	en @{Name} where 'Name' is the value specified in th d.	ne Name column below.		
Name	Prompt	Value	Fixed	Hidden 🕫	optional
		I23 Value	Fixed	Hidden 🕢	
Name				_	
Name		123 Value		_	
Name		123     Value       123     Value       123     Session Variable		_	

Value		Fixed	Hidden √	Optional	
<b></b> •	Column Value		✓		
	SUM("Base Facts", "Revenue") ("Base Facts", "Revenue"/SUM("Base F ("Base Facts", "Revenue"/SUM("Base F "Products", "Brand" "Offices", "Office"			r Name Year"))	*100.0

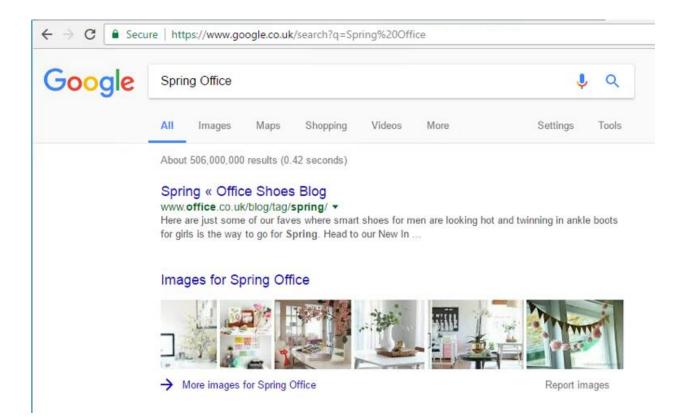
Edit Action	Link	(3) ×	
Link Text	Search Google for Latest News		
Action	Navigate - https://www.google.co.uk/search	🥰 🙋 📷 »	
Show Link	O Always       Conditionally		
	Conditions	Revenue	
		SUM of Revenue BY Year SUM of Revenue	ue
		% of Total	
		% of Year	
		Office	
		OK Cancer	

New Condition	n	3 ×
Column	Revenue	
Operator	is greater than or equal to	~
Value	250000	
	Add More Options 👻 Clear All	

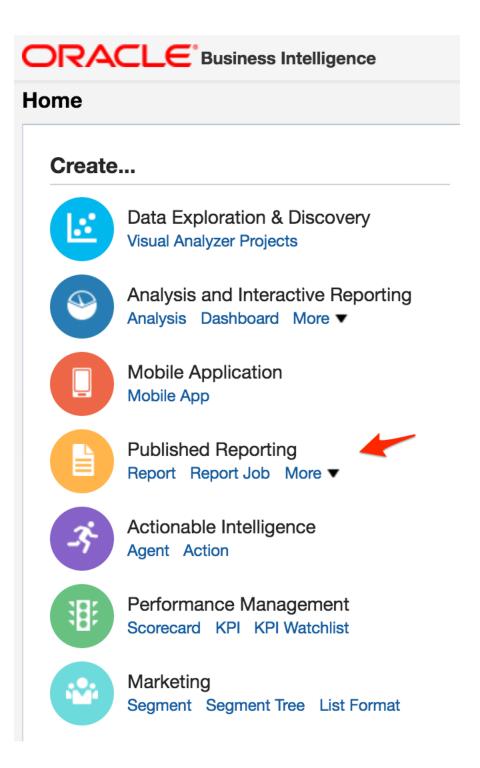
# ORACLE Business Intelligence

#### Analysis Ten

Office	Revenue	SUM of Revenue BY Year	SUM of Revenue	% of Year	% of Total
Montgomery Office	220,143	5,000,000	5,000,000	4%	4%
Blue Bell Office	302,022	5,000,000	5,000,000	6%	6%
Foster Office	303,581	5,000,000	5,000,000	6%	6%
Glenn Office	176,968	5,000,000	5,000,000	4%	4%
Tellaro Office	212,298	5,000,000	5,000,000	4%	4%
Madison Office	228,250	5,000,000	5,000,000	5%	5%
Eden Office	247,448	5,000,000	5,000,000	5%	5%
Sherman Office	343,863	5,000,000	5,000,000	7%	7%
Casino Office	304,065	5,000,000	5,000,000	6%	6%
Merrimon Office	234,278	5,000,000	5,000,000	5%	5%
Perry Office	290,749	5,000,000	5,000,000	6%	6%
Eiffel Office	353,699	5,000,000	5,000,000	7%	7%
Spring Office	369,523	5,000,000	5,000,000	7%	7%
Mills Office	292,520	5,000,000	5,000,000	6%	6%
College Office	172,104	5,000,000	5,000,000	3%	3%

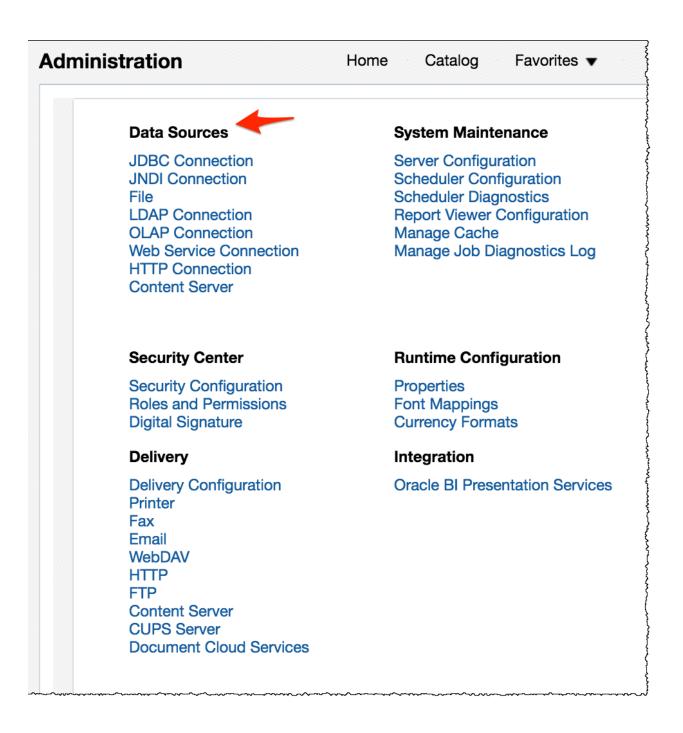


# **Chapter 10: Developing Reports Using BI Publisher**



	Search	All	•		Q, A	dvanced	Administratio	on Help 🔻	Sign Out	t
dministration	Home	Catalog	Favorites <b>v</b>	Dashboard	s 🔻	New 🔻	Open	Signed In	As biadmi	n 🔻
Oracle Business Intelligence Product Version 12.2.1.1.0 (Build BIPS-20160604082456 64-bit)         Oracle BI Server Data Source       AnalyticsWeb         Available Paging Memory (MB)       2986         Available Virtual Address Space (MB)       134216879         Maintenance Mode is currently off.       Version 12.2.1.1.0 (Build BIPS-20160604082456 64-bit)								N .		0
Security		Map Data	Management							
Manage Privileges Manage privileges and rights given to users and groups.			age Map Data age layers, backg	ground maps a	nd image	S.				
Session Management		Marketing	9							
Manage Sessions View Oracle Business Intelligence session information including active users and queries.			age Marketing J background mar		d databa	se cache r	esult sets.			
Manage Agent Sessions View Agent session information including Agent state and recipients.		Man	age Marketing I age the default se Marketing.		Default (	Campaign	Load Format a	and Default G	lobal Audien	се
Maintenance and Troubleshooting										
Manage Device Types		BI Publish	her	-						
Create, edit, view or delete Device Types.			age BI Publishe							
Toggle Maintenance Mode Maintenance Mode is currently off.			age BI Publisher erties.	data sources, s	schedulei	contigura	ition, delivery c	lestinations, a	ind runtime	
Reload Files and Metadata Reload XML message files, refresh server metadata, and clear caches.		Bl Mobile	App Designer							
Reload Log Configuration										
Reload the logging configuration after update. Default •			age BI Mobile A age BI Mobile Ap ins.		a source	s, server c	onfiguration, ru	untime proper	ties, and	
Issue SQL Issue SQL directly to Oracle BI Server.										
Scan and Update Catalog Objects That Require Updates		BI Search								
Scan the catalog and update any objects that were saved with earlier versions of Oracle Bu	siness	0	figure Crawl							
Intelligence.			p BISearch Data	Model and We	b Catalog	g crawl.				

Monitor Crawl Monitor and Stop Data Model and Web Catalog crawls.



Authorization							
	Security Model	Oracle Fusion Middleware 🔻					
Fusion Apps Security							

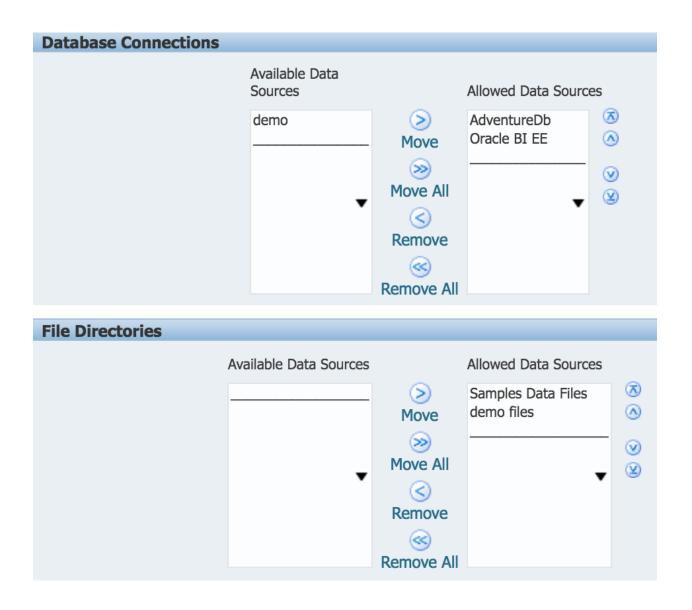
Security Center		
Security Configuration Role	s and Permissions Digital Signature	
Number of rows displayed per page	ge 10 🔻	
Role Name	Search	
Role Name	Description	Add Data Sources
BI Consumer	Users granted this role can consume content but are restricted in what they can create.	P
BI Content Author	Users with this role can create most types of content.	?
BI Service Administrator	This role confers privileges required to administer the sample application.	8

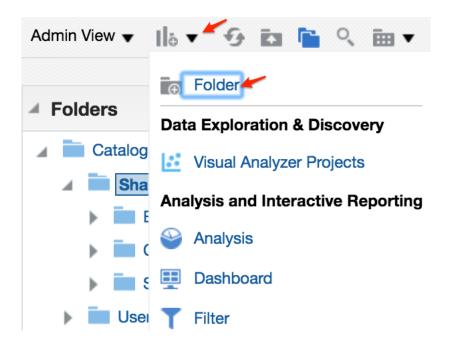
General	
Data Source Name	AdventureDb
* Driver Type	Microsoft SQL Server 2008
* Database Driver Class	weblogic.jdbc.sqlserver.SQLServerDriver (Example: oracle.jdbc.OracleDriver )
* Connection String	jdbc:weblogic:sqlserver://localhost:1433;DatabaseName=AdventureW orksDW2014
Use System User	
* Username	obiee_sa
Password	•••••
Pre Process Function	
Post Process Function	
	Use Proxy Authentication
	Test Connection

Security				
Allow Guest Allow	Access ed User Available Roles		Allowed Roles	
	BI Consumer BI Service Administrator	Nove Move All C Remove Remove All	DI Contene / tachor	80

misu	ation							Home	Catalog	Favorite
Data Sou	urces									
JDBC	JNDI	File	LDAP	OLAP	Web Services	HTTP	<b>Content Server</b>	1		
	Data Sou Source N			Dire	ctory				Delete	3
	Source N				ectory lo.server.config.dir}	/reposito	ry/DemoFiles		Delete	3

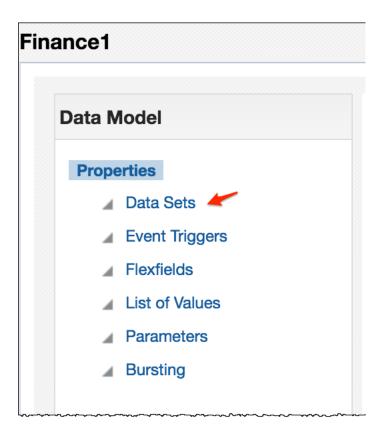
Security Center		
Security Configuration Roles and	Permissions Digital Signature	
Number of rows displayed per page 10 Role Name	Search	
Role Name	Description	Add Data Source
BI Consumer	Users granted this role can consume content but are restricted in what they can create.	🕅 🖌
BI Content Author	Users with this role can create most types of content.	
BI Service Administrator	This role confers privileges required to administer the sample application.	<b>?</b>

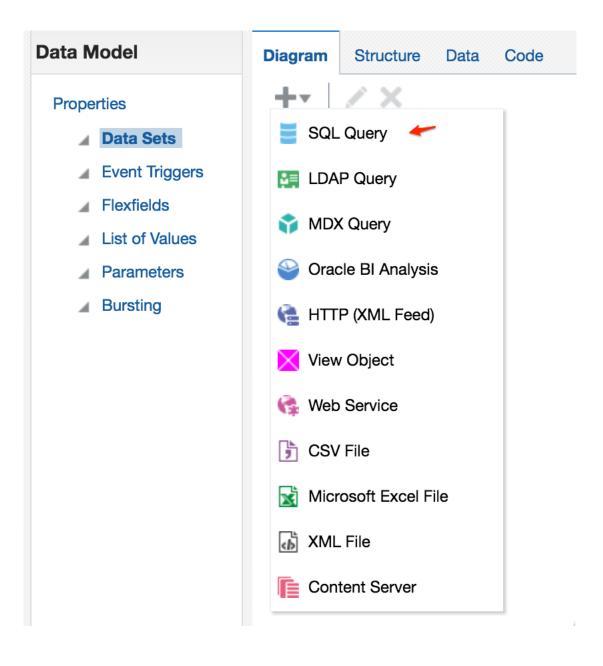




٩	Advanced Administration Help  Sign Out					
Dashboards 🔻	New  Open  Signed In As biadmin					
	Data Exploration & Discovery					
	Published Reporting					
	E Report					
	Report Job					
	Data Model					
	A Style Template					
	Sub Template					
	Actionable Intelligence					

				Manage Private Data Sources	View Data	Create Report	
Data Model	Properties						
Properties	Description	Finance					
Data Sets			-			11	
Event Triggers	Default Data Source	AdventureDb	• 9				
Flexfields							





ance1		Home Catalog	Favorites 🔻	Dashboards 🔻	New 🔻	Open 🔻	Signed In As biadmi
			Manage P	rivate Data Sources	View Data	Create R	eport   🔡 😹   🥥
Data Model	New Data Set - SQL Query			0 ×			
Properties  Data Sets  Event Triggers	* Name * Data Source AdventureDb (Default	) <b>▼</b> €9					
Flexfields	* Type of SQL Standard SQL V			_			
List of Values	* SQL Query		Query B	uilder			
Parameters							
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		Generate I	Explain Plan OK	Cancel			
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	Model Conditions SQL Results 10 V						Save C
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IventureWorksDWBuildVersion							
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mAccount							
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mOrganization							
mProduct							
nProductCategory							
mProductSubcategory							

	DimOrganization	☆ ×					
AdventureWorksDWBuildVersion	OrganizationKey	#					
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DimAccount	ParentOrganizationKey	<b>#</b>					
DimCurrency	PercentageOfOwnership	A					
DimCustomer	0			4	FactFinance	¢	×
DimDate	OrganizationName	A			FinanceKey	#	
DimDepartmentGroup	CurrencyKey	#		_		-	
DimEmployee	ounonoyney				DateKey	#	
DimGeography					OrganizationKey	<b>#</b>	
DimOrganization							
DimProduct					DepartmentGroupKey	#	
DimProductCategory					ScenarioKey	#	
DimProductSubcategory			_				
DimPromotion		-			AccountKey	#	
Disponallar	 DimScenario	X	· ·····	~~~			

Diagram   Structure   Data   Code     +-   /   X			
	⊿ <b>≣</b> G_1	÷	¢
🖌 🗎 Global Level Functions 🔅	DepartmentGroupName	A	¢
Drop here for aggregate function	CalendarYear	#	¢
	null	#.0	¢
	Drop here for aggregate function		

Diagram	Structure	Data	Code
Table Vie	w   Output		

	3	XML View			Business View		
Data Source	XML Tag Name	Sorting	Value If Null	<b>Display Name</b>	Data Type		
A Report Data							
Data Structure	DATA_DS						
∡ Finance	G_1						
A DepartmentGroupName	DepartmentGroup			DepartmentGroup	A		
# CalendarYear	CalendarYear			CalendarYear	Ħ		
#0	null			Revenue	#0		

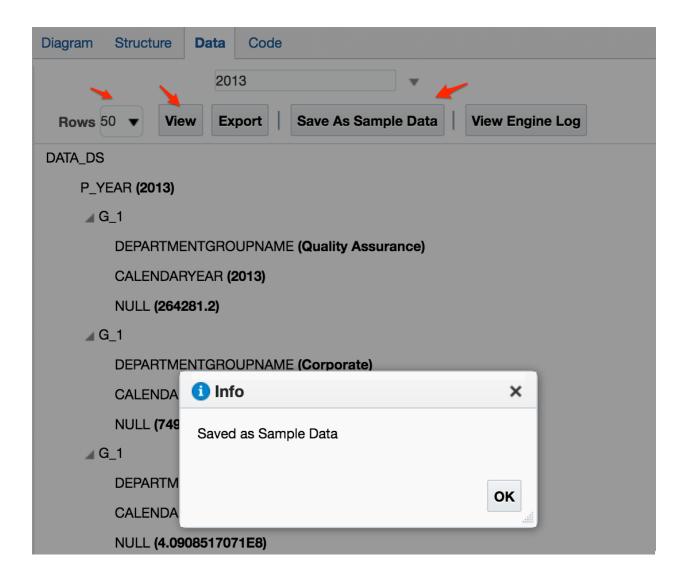
		244
Edit Data Set - Finance	)	0
* Name	Finance	
* Data Source	AdventureDb (Default) 🔻 🍕	
* Type of SQL	Standard SQL	
* SQL Query		Query Builder
select dg.Department( d.CalendarYear, sum(f.Amount) from DimDepartment DimDate d, FactFinance f where (dg.Departr and d.CalendarYea group by dg.Depart		(ey = f.DateKey )

eve	Add Parar	meter - Finance	×
agç	Please select parameters	t one or more bind variables to create corresponding	
	🗸 p_year		
	1	OK Ca	incel
	_		_

	Parameters					
Properties	+ ×					
Data Sets	*Name	Data Type	Default Value	Parameter Type	Row Placement	Reorder
Finance						
Event Triggers	p_year	String		Text •	1 🚔	▲▼
Flexfields						
List of Values						
Parameters						
📑 p_year 🛛 🔶						
Bursting						
				-		
	p_year: Type: Tex	xt				
	Di	isplay Label				
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Data Model	List of Values			
Properties	+ ×			
Data Sets	*Name	Туре	Data Source	Reorder
Finance Event Triggers	LOV_YEAR	Fixed Data	•	<b>AV</b>
<ul> <li>Flexfields</li> <li>List of Values</li> </ul>				
Parameters				
im p_year ⊿ Bursting	LOV_YEAR: Ty	pe: Fixed Data		
	*Label	*Value		
	2007	2007		
	2007	2007		
	2008	2008		
	2008 2009	2008		
	2008 2009 2010	2008 2009 2010		

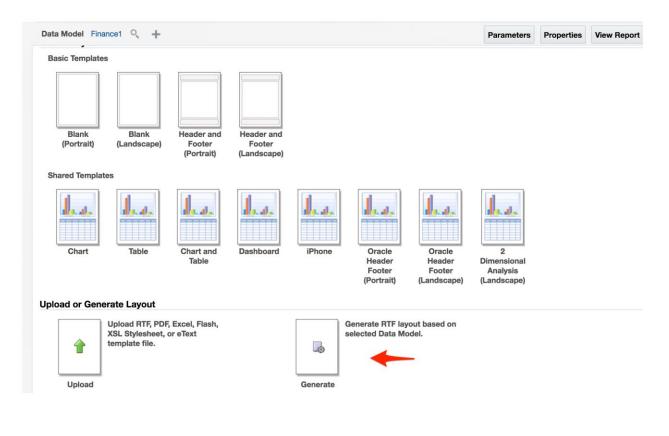
Data Model	Parameters					
Properties	+ ×					
Data Sets	*Name	Data Type	Default Value	Parameter Type	Row Placement	Reorde
Finance Event Triggers	p_year	Integer 🗸	2006	Menu	1 🚔	•
<ul> <li>Flexfields</li> </ul>						
List of Values				•		
LOV_YEAR						
Parameters	p_year: Type: Me	enu				
p_year	D	isplay Label Year				
Bursting	U	ist of Values LOV_YE	AR	•		
	Number of Volume to D					
	Number of Values to Di	splay in List 100				
		Options 🗌 Mul	tiple Selection			
		Car	select all			
		Ref	resh other parameters	on change		
		N	lanage Private Data	Sources View Data	Create Report	
agram Structure Da	ta Code				<u>ر</u>	
Year	2007	*				
Rows 5 View	Export Save As Sample	Data View Eng				



Data Model	XML Output Options 🧹 Include Parameter Tags
Properties Data Sets	<ul> <li>Include Empty Tags for Null Elements</li> <li>Include Group List Tag</li> </ul>
Finance Event Triggers	XML Tag Display Upper Case
<ul><li>Flexfields</li><li>List of Values</li></ul>	Sample Data sample.xml
ELOV_YEAR	Schema 🗘
p_year	Data Files

Search All	T	Q Advanced Administration Help ▼ Sign Out
Home Catalog	Favorites <b>v</b> Dashboards	▼ New ▼ Open ▼ Signed In As biadmin ▼
	Manage Private Data Sou	
stance Level	▼	Visual Analyzer Projects Analysis and Interactive Reporting
stance Level	•	Sea Analysis
stance Level	▼ SQL Trace Name	Dashboard
		T Filter
Enable Backup Connection		Dashboard Prompt
Switch to Backup Data So	urce when Primary Data Sourc only	e is unav Condition
Include Parameter Tags		Mobile Application
Include Empty Tags for Null E	lements	Mobile App
Include Group List Tag		Published Reporting
		E Report
Upper Case	•	
ample.xml		Delete

		XLS		
	Use Data Model	Upload Spreadsheet	Use Subject Area	
Create a report using	g an existing Data Model			
Data Model		0		
Data Model How do you want to	create your report?	o,		
How do you want to	<b>create your report?</b> e O 🥖 Use Report Edito	•		



Auto Generate La		×	
* Template Name	Revenue per Group		
		Generate	Cancel

Data Model	Finance1	°,	+	Parameters	Properties	View Report		12	
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	<b>Year</b> 2013	Apply	
Revenue per Group			
ORACLE		Oracle BI Publisher	Date: 2016-10-30 2:05:57 AM Page 1 Of 1

DepartmentGroupName	CalendarYear	Revenue
Quality Assurance	2013	264281.2000
Corporate	2013	7497631.5000
Sales and Marketing	2013	409085170.7100
Manufacturing	2013	548683.9800
Research and Development	2013	74122673.8900
Inventory Management	2013	34623729.3700
Executive General and Administration	2013	15836808.8700

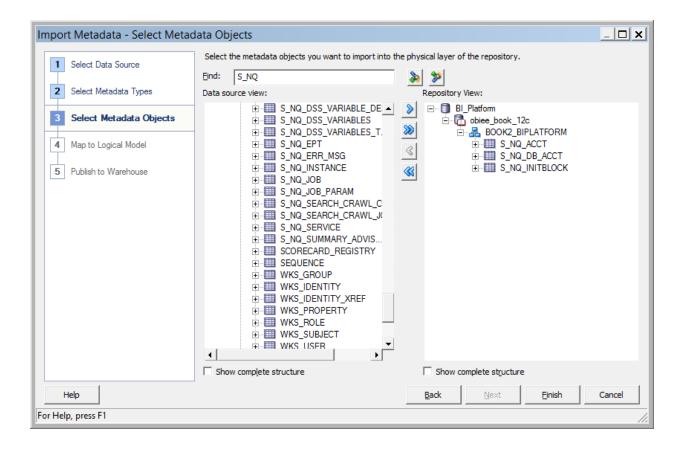
# Chapter 11: Usage Tracking

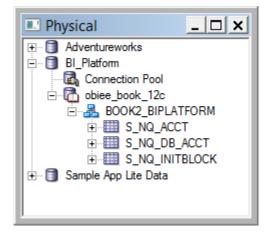
Oracle BI Administration Tool	-		<u>_ 🗆 x</u>
File Edit View Manage Tools D	ingrami window Help   🛍   🛃   📴 🏫 🗞 🥙 🖻 🍳 🔍 🚱	<b>B</b>	
Presentation     Presentation     Presentation     Presentation     Presentation     Finance     Presentation     Finance     Presentation     Finance     Presentation     Finance     Presentation     Finance     Presentation     Finance     Finance	Business Model and Ma      AdventureWorksBM     SampleApp Lite	Physical     Adventureworks     Sample App Lite Data	_ <b>_</b> X
For Help, press F1			NUM

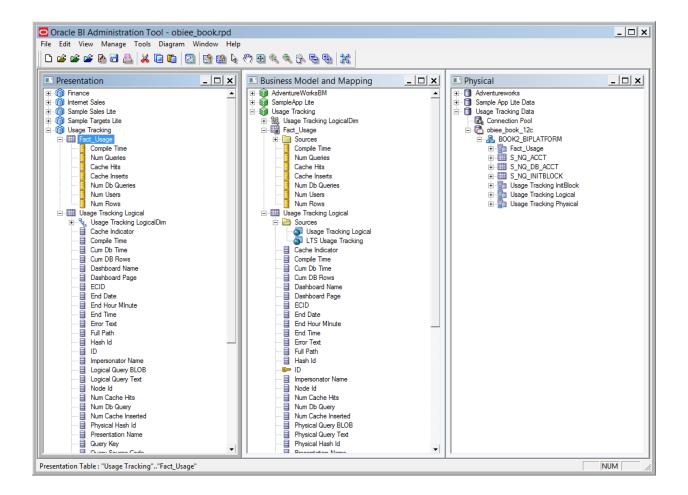
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	ource C	ontrol			•
-	ose				
	ive			I	Ctrl + S
	ive As				•
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	-	Passwo			
LC	ad Jav	a Datas	ources		
Pr	int Pre	view			
Pr	int				
In	nport N	/letadat	а		
C	ompar	e	2		
Τt	urn off	Compa	ire Mode		
M	erge				
			onsistency		Ctrl+K
CI	heck M	lodels			+
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CI	heck In	Chang	es		
U	ndo All	Chang	es		
1	obiee_l	book.rp	d		
Ex	iit				

Import Metadata - Select Data S	Source			_ 🗆 🗙
1 Select Data Source				
2 Select Metadata Types	Connection Type:	ODBC 3.5		<b>_</b>
	DSN	Driver		
3 Select Metadata Objects	Adventureworks	SQL Server Native Client 11.0 Orade BI Server		
4 Map to Logical Model	BI_Platform	SQL Server Native Client 11.0		
5 Publish to Warehouse	Obiee_Book	Orade BI Server-dient		
	User Name:	BOOK2_BIPLATFORM		
	Password:	•••••		
Help			Back Next	Finish Cancel
For Help, press F1				11.

Import Metadata - Select Metad	data Types			_ 🗆 🗙
1 Select Data Source	Select the Metadata types you want to	import:		
2 Select Metadata Types	<ul> <li>Relational Sources</li> <li>Tables</li> </ul>	System tables		
3 Select Metadata Objects	✓ Keys	Aliases		
4 Map to Logical Model	Eoreign Keys	Synonyms		
5 Publish to Warehouse	C Metadata from <u>C</u> RM tables			
Help	]	Back	<u>N</u> ext <u>Einish</u>	Cancel
For Help, press F1				/







#### [USAGE TRACKING]

ENABLE = YES; DIRECT\_INSERT = YES; PHYSICAL\_TABLE\_NAME = "Usage Tracking Data"."obiee\_book\_12c"."BOOK2\_BIPLATFORM"."S\_NQ\_ACCT"; CONNECTION\_POOL = "Usage Tracking Data"."Connection Pool"; INIT\_BLOCK\_TABLE\_NAME = "Usage Tracking Data"."obiee\_book\_12c"."BOOK2\_BIPLATFORM"."S\_NQ\_INITBLOCK"; INIT\_BLOCK\_CONNECTION\_POOL = "Usage Tracking Data"."Connection Pool";

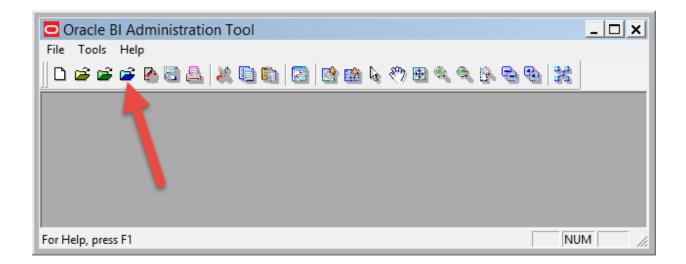
# Chapter 13: Using The BI Admin Change Management Utilities

Oracle BI Administration	on Tool - A	dventureWorks_Dev	.rpd			_ 🗆 x
File Edit View Manage T	ools Diagra	am Window Help				
New Repository	Ctrl+N	🔄 📑 🛍 🖌 🤭	B & & B & B & K			
Open	•	1				
Multiuser	•		Business Model and Mappin	ng	Physical	
Source Control Close	,					
Save	Ctrl+S					
Save As	CUI+5					
Copy As	,					
Change Password						
Load Java Datasources						
Print Preview						
Print						
Import Metadata						
Compare Turn off Compare Mode	1					
Merge	1					
Check Global Consistency	Ctrl+K					
Check Models	+					
Check Out All						
Check In Changes						
Undo All Changes						
1 AdventureWorks_Dev						
2 AdventureWorks(1)						
3 AdventureWorks_equalized						
4 AdventureWorks						
Exit						

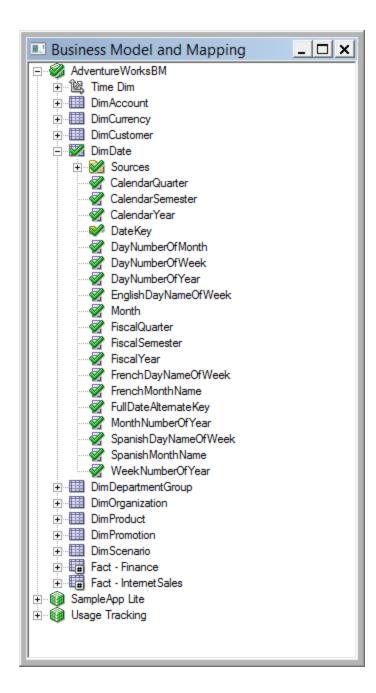
Merge Repository Wizard - Sel	ect Input Files		_ □	×
1 Select Input Files	Merge Type: 🔶 Full Reposi	itory Merge C Patch Repository Merge		
2 Define Merge Strategy	Original Master Repository:	C:\Users\haroun\Downloads\AdventureWorks.rpd	<u>S</u> elect	•
		Repository Password:		
	Modified Repository:	C:\Users\haroun\Downloads\AdventureWorks_Prod.rpd	S <u>e</u> lect	•
		Repository Password:		
	Current Repository:	C:\Users\haroun\Downloads\AdventureWorks_Dev.rpd	Select	+
	Save Merged Repository as:	C:\Users\haroun\Downloads\AdventureWorks_Dev(1).rpd	Sele <u>c</u> t	•
		Repository Password:		
	Equalize During Merge			
Help		Back Next Finish	Cancel	
For Help, press F1				1

Me	rge Repository Wizard - Defi	ne Merge Stra	ategy					_	
[	1 Select Input Files	Conflicts:			<b>60</b> >>		Show qualified names	Set Default Decisio	ns ►
			Туре		Name		Description	Decision	
	2 Define Merge Strategy	🖓 📄 Present	tation Column E	English Month			Changed in both (differe	nt) By Property	
			Pro	operty	Original	Modified	Current	Merge Choices	11
		Na	ame		EnglishMonthName	🛞 English Month	C EnglishMonth		
		T	ranslation Key		EnglishMonthName	English Month	C EnglishMonth		
						1			-
		Original reposito	ory		Modified repository		Current repository		
			FiscalQuarter FiscalSemester FiscalYear FrenchDayNar FrenchMonthN	neOfWeek	French N	uarter	Fiscal'y	Quarter Semester	•
		AdventureWorks Differences:	s.rpd		AdventureWorks_Prod_ed	qualized_again.rpd	AdventureWorks_Dev_e	equalized.rpd	
		Presentation Co Name Translation Key		"Time". "English M	fonth" was changed in bo	th repositories; these p	properties are different:	* *	
	<b></b>	Check consis	stency of the me	erged RPD				Hide object view	vs
	Help					Back	Next Fir	nish Cance	el
Pre	sentation Column : "Finance""Time	"."English Month	h"						11.

<b>80</b> De	🖩   🛃 😭	Show qualified names
Name		Description
		Changed in both (different)
Original	Modified	Current
MonthName	🔿 English Month	EnglishMonth
MonthName	C English Month	EnglishMonth



Business Model and Mapping	Physic	cal
🖃 🕡 AdventureWorksBM		Adventureworks
i≘128, Time Dim i≘⊞ DimAccount	Check Out Objects	_ 🗆 🗙
DimCurrency     DimCustomer     DimDate     DimCustores     CalendarQuarter	This repository is in use for report to be checked out for editing. Ar need to be checked out to enab Objects selected for editing:	
	Name	Туре
🗧 CalendarYear	EnglishMonthName	Logical Column
DateKey DayNumberOfMonth DayNumberOfWeek		
DayNumberOfYear	Associated Objects:	
EnglishDayNameOfWeek	Name	Туре
English Month Name	AdventureWorksBM	Business Model —
FiscalQuarter	MonthNumberOfYear	Logical Column
Fiscal Semester	SpanishDayNameOfWeek	Logical Column
📕 FiscalYear	SpanishMonthName	Logical Column
FrenchDayNameOfWeek	WeekNumberOfYear	Logical Column
FrenchMonthName	CalendarQuarter	Logical Column
FullDateAltemateKey	E CalendarSementer	
MonthNumberOfYear	Show Qualified Name	
SpanishMonthName		Check Out Cancel
WeekNumberOfYear		
DimDepartmentGroup		
i 🛱 🛲 DimOrnanization		



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File Edit View Manage Tools Diagram Window Help							
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Presentation Business Model and Mapping							
Internet Sales         Internet Sales         Image: Sample Sales Lite         Image: Sample Targets Lite	AdventureWorksBM     AdventureWorksBM     Dim Count     DimAccount     DimCurency     DimCustomer     DimCustomer     DimDate     CalendarQuarter     CalendarSemester     CalendarYear     DateKey     DayNumberOfMonth     DayNumberOfWeek     DayNumberOfWeek     DayNumberOfWeek     FiscalQuarter     FiscalQuarter     FiscalSemester     FiscalYear     FiscalYear						
	FrenchMonthName FullDateAltemateKey MonthNumberOfYear						

Oracle BI Ad	ministration To	ol - OBIEE_Book_dsn.rpd	
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Presentation	Clusters	Bu	siness Model and Mappin
	Identity	Ţ.	AdventureWorksBM
🛛 🗄 👘 Internet Sale	2011/201		🕡 🗑 SampleApp Lite
i ⊕ mîî Sample Sale ⊕ mîî Sample Taro	Valiablesm		
⊡ 👔 Sample Targ	Projects	←	
	Marketing		

SampleApp Lite		
Project Manager		
Action Edit Help		
New Project	Name Description	
Close Alt F4	· · · ·	
For Help, press F1		//

Project - ProjFinanceFact		_ <b>_ ×</b>
Name:       ProjFinanceFact         Group Facts By: <ul> <li>Business Model</li> <li>Subject Area</li> </ul> Business Models <ul> <li>Subject Area</li> </ul> Business Models <ul> <li>AdventureWorksBM</li> <li>Fact - Finance</li> <li>Fact - InternetSales</li> <li>SampleApp Lite</li> <li>Application Roles</li> <li>Users</li> <li>Variables</li> <li>Initialization Blocks</li> <li>Lookup Tables</li> <li>Presentation</li> </ul>	E Business Models AdventureWorksBM Fact - Finance	OK Cancel Help Add Remove
Description: Subject Area : "Finance"		×

Oracle BI Administration Tool	
File Tools Help	
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	1
Options X	
General Sort Objects Source Control Cache Manager Multiuser More	
Multiuser development directory:	
C:\sharedrepository Browse	
Full name:	
Haroun Khan	
OK Cancel Help	

Oracle BI Administration	n Tool		
File Tools Help			
New Repository	Ctrl+N		) 🖻 🛍 🖌 🖑 🖻 🍳 🤅
Open		۲	
Multiuser		Þ	Checkout 🔶
Load Java Datasources			Whole Rpd Checkout
1 C:\Users\\OBIEE_Book_dsn	l.		History
2 AdventureWorks_Dev(1)			Release Lock
	1		

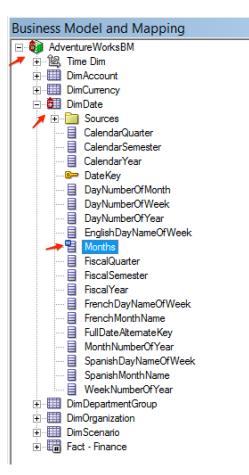
Extract from OBIEE_Book_dsn.rpd	<u> </u>
Repository Password:	ок
	Cancel
	Help
	//

Browse		_ 🗆 🗙
Select project(s) to import from (	DBIEE_Book_dsn.r	pd:
Name	Description	
ProjFinanceFact		
🔲 🛅 ProjInternet Sales Fact		
	ок	Cancel
Project : "ProjFinanceFact"		1.

Create new	subset repository			×
Save in:	\mu server 💌	]	G 🤌 📂 🛄 -	
Recent places Desktop Libraries This PC	Name A bin document locale metadictxsl OBIEE_Book_dsn	<b>-</b>	Date modified 21/03/2016 21:04 21/03/2016 21:04 21/03/2016 21:04 21/03/2016 21:04 30/08/2016 02:32	▼ Type File folder File folder File folder File folder RPD File
	File name:     FinanceFactDev       Save as type:     Repository Files (*.rpd)		<b>•</b>	Save Cancel

0	)racle	BI Ac	Iministra	tion To	ool - Fina
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M	ultiuse	er			-
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CI	ose				
Sa	ve				Ctrl+S
Sa	ive As				I
Co	opy As				I
Cł	hange	Passwo	rd		
Lo	oad Jav	a Datas	ources		
Pr	int Pre	view			
Pr	int				
In	nport N	/letadat	a		
Co	ompar	e		•	
Τu	urn off	Compa	are Mode		

Compare repositories	_ 🗆 🗙
Original repository C:\fmw_obiee\client\bi\bifoundation\server\originalFinanceFactDev.rpd	Select +
IV Show Qualified Names Filter Find	Find Again
Name (Original)         Name (Current)         Change         Type         Layer	Diff
"AdventureWorksBM"."DimDate"."Month" "AdventureWorksBM"."DimDate"."Months" Modified Logical Column Business Model and Mapping	Save
	Stats
	View 1
	Edit 2
	Equalize
	create Patch
Mark Cancel Help	
For Help, press F1	



🖸 Oracle I	BI Ad	ministrat	tion To	ol - Fir	nar	nceFactDev.rpd	
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New Repo	ository.			Ctrl+N		💧 😭 📾 💊 🥙 🗟 🔍 🤅	19
Open					۰,		
Multiuser					×	Checkout	1od
Source Co	ontrol				Þ	Whole Rpd Checkout	nture
Close						Compare with Original	ìme
Save				Ctrl+S		Refresh Subset	)imA
Save As					F	Publish to Network 👞	)imCi )imD
Copy As					×	Undo Publishing	h s
Change P	asswoi	rd				Discard Local Changes	E c
Load Java	Datas	ources			L		自 C

Lock Information				
Please, type in rep	ository lock information			
Login Name	haroun			
Full Name	Haroun Khan			
Computer Name	WIN-27BR4V9QJS2			
Comment				
Changed 'Month'	column name to 'Months'	<b>A</b>		
		-		
Lock Time	30 August 2016 02:55:06			
	OK Cancel He	lp		

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Multiuser Load Java Datase 1 FinanceFactDe 2 originalFinanc 3 Cr\Users\\OE Exit	v eFactDev		Checkout. Whole Rpd Checkout History Release Lock				
	Book_dsn.rpd Mul Edit Help	ti User	History				
Version	Date	Source Version	Extracted Projects	Created E	y Conflict Resolutions	Comment	
1	30/08/2016 02:56 30/08/2016 02:44	0	ProjFinanceFact ProjFinanceFact	haroun		Changed 'Month' column name to 'Months'	

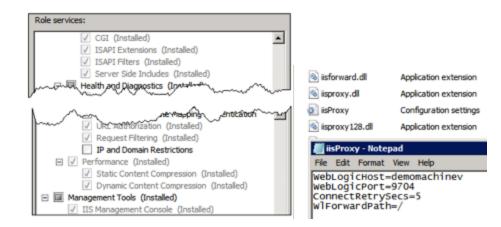
OBIEE_E	Book_dsn.rpc	I Multi User History	
Action	Edit Help		
View	•	Repository	cted Projects
Comp	oare	Conflict Resolution	stea mojecto
Close Alt F4		Prior to Merge	Projects
Close	AILT4	Details	Changes
		Details	

Open On	line OBIEE_Book_dsn	×
User:	biadmin	Open
Password:	••••••	Cancel
		Help
🗌 Load a	Il objects on startup	
OBIEE_B	ook_dsn	

# Chapter 14: Ancillary Installation Options

0	Oracle Business Intelligence 12c Configuration Assistant - Step 5 of 9
Port Range	
<u>         Welcome</u> ↓ <u>         Prerequisite Checks         </u>	Choose the port range for BI and WLS processes to use.
Define New Domain	Port Range
Database Details	Port Range Starting Port 9500
Port Management	Port Range End Port 9999
Initial Application	
ummary	
Configuration Progress	
Configuration Complete	
	The very first port that will be used when allocating port numbers
Help	< <u>Back</u> <u>Next</u> <u>Finish</u> Cancel

0	Oracle Business Intelligence 12c Configuration Assistant - Step 7 of 9
Summary	
Welcome     Prerequisite Checks     Define New Domain     Database Details     Port Management     Initial Application     Summary     Configuration Progress     Configuration Complete	Configure Configuration Components Essbase BEE OBIPS (Port 9507) Cluster controller (Main port 9508, monitor 9509) Java host (Port 9510) Scheduler (Main port 9512, script 9513) BIP Domain BI Domain BI Domain Name: bi Domains Directory: C:\fmw_obiee\Oracle_home\bhbin\\user_projects\domains Admin server (HTTP port 9500, HTTPS 9501, internal 9504) Managed server (HTTP port 9502, HTTPS 9503, internal 9505) Click Save to generate a response file used for silent installation.
Help	< <u>Back</u> <u>N</u> ext > <u>C</u> onfigure Cancel



```
36
       #obiee 12c book example proxy
37
         server { # simple reverse-proxy
38
                         80;
           listen
39
           server name
                        localhost;
40
41
           gzip on;
42
           gunzip on;
43
            # pass requests for dynamic content to app server on main port
44
45
           location / {
46
                              http://localhost:9502;
             proxy pass
47
            }
48
         }
```

×	Headers	Preview Response Cookies Timing
۷	General	
	Request	URL: http://localhost/analytics/saw.dll?catalog
	Request	Method: GET
	Status C	ode: 😑 200 OK
	Remote	Address: 127.0.0.1:80
¥	Response	Headers view source
	Cache-C	ontrol: private
	Connect	ion: keep-alive
	Content	-Security-Policy: default-src 'self';script-src 'self' '
	ne';img	-src 'self' data: elocation.oracle.com;frame-ancestor
	Content	-Type: text/html; charset=utf-8
	Date: M	on, 20 Feb 2017 01:59:02 GMT
	Expires:	0
	Last-Mo	dified: Mon, 20 Feb 2017 01:59:02 GMT
	Server:	nginx/1.11.10
	Set-Coo	kie: ORA_BIPS_LBINFO=15a593e56a3; httponly
	Set-Coo	kie: JSESSIONID=195ZPlajIQ7Bn8IFRd6nGj-eQS9zU65ErgdI5_H

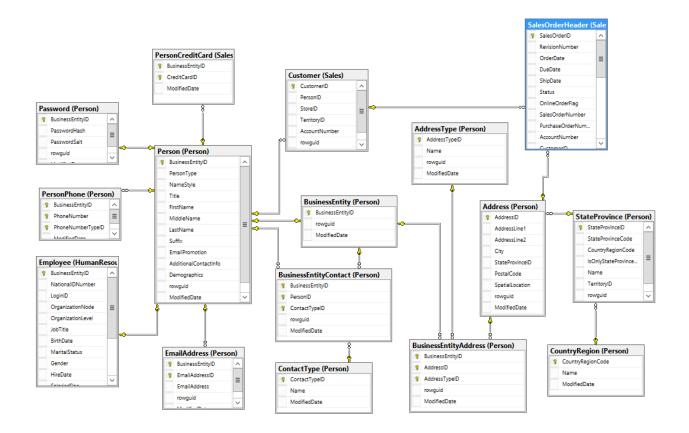
× Headers Preview Response Cookies Timing
▼ General
Request URL: http://localhost/analytics/saw.dll?catalog
Request Method: GET
Status Code: 😑 200 OK
Remote Address: 127.0.0.1:80
▼ Response Headers view source
Cache-Control: private
Connection: keep-alive
Content-Encoding: gzip
Content-Security-Policy: default-src 'self';script-src 'self' 'unsafe-i
ne';img-src 'self' data: elocation.oracle.com;frame-ancestors 'self'
Content-Type: text/html; charset=utf-8
Date: Mon, 20 Feb 2017 02:18:31 GMT

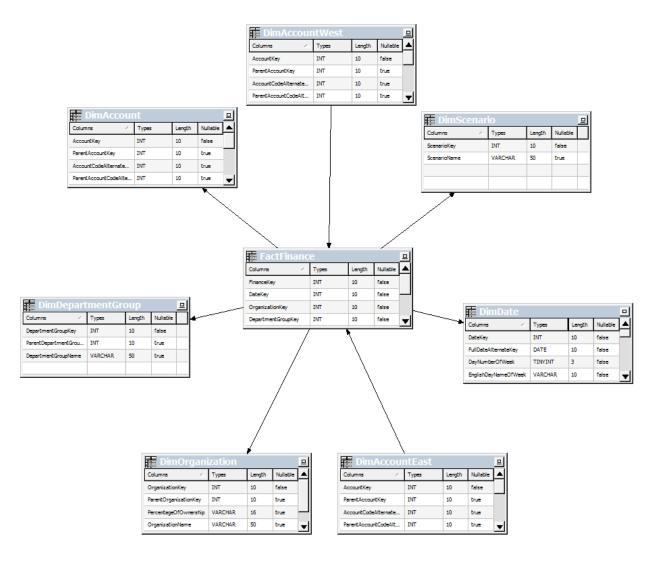
C4.	Administrator: Command Prompt	_ <b>D</b> X
Microsoft Windows [Ve (c) 2013 Microsoft Co	rsion 6.3.9600] rporation. All rights reserved.	^
C:\Windows\system32>S ome\user_projects\dom Startup Service" [SC] CreateService SU	C CREATE OracleBI12cStartup binPath= "C: ains\bi\bitools\bin\start.cmd" DisplayNa CCESS	\fmw_obiee\Oracle_h me= "Oracle BI 12c

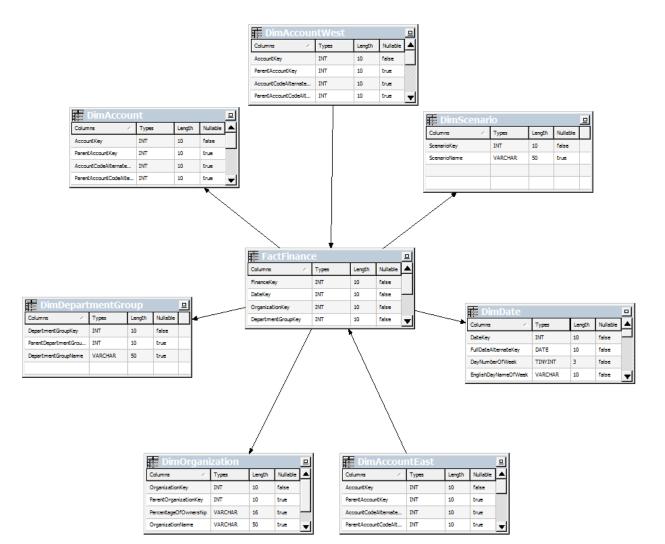
Name 🔺	Description	Status	Startup Type	Log On As
🖓 Offline Files	The Offline		Disabled	Local Syste
🖓 Optimize drives	Helps the co		Manual	Local Syste
🔍 Oracle Bl 12c Shutdown Service			Manual	Local Syste
🔍 Oracle Bl 12c Startup Service			Automatic (Delayed Start)	Local Syste
🔍 Oracle Business Intelligence (bil	Process Con		Manual	Local Syste

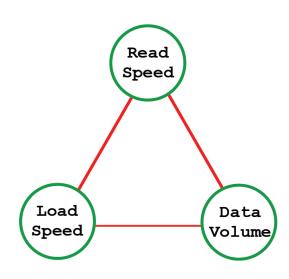
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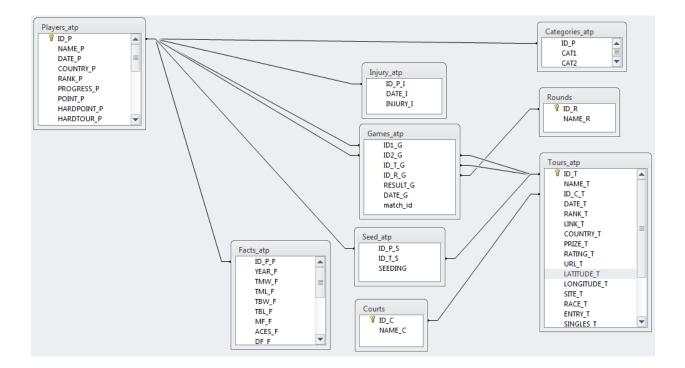
## **Chapter 15: Reporting Databases**

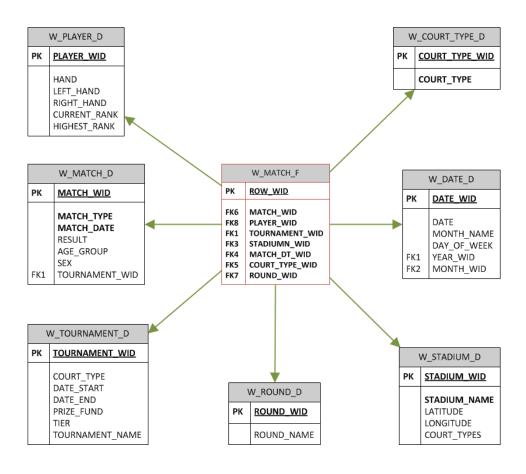


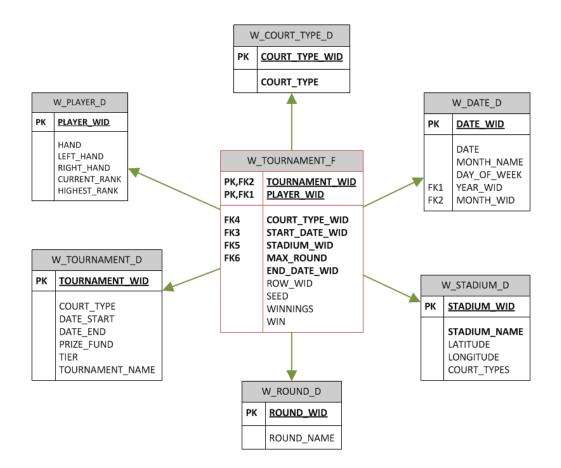






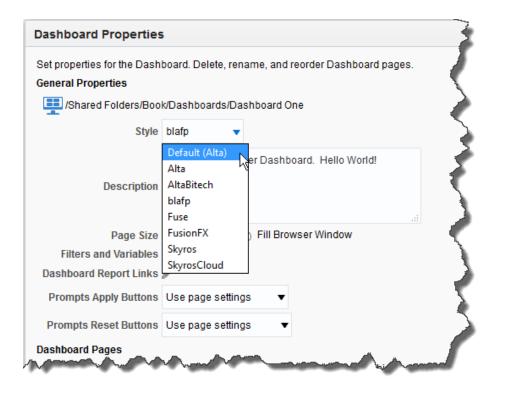




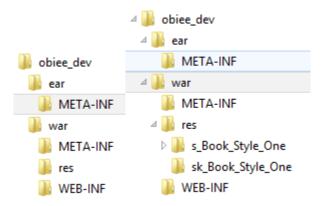


# Chapter 16: Customizing the Style of Dashboards

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page 1 Page Two Page Three Compound Example One Select(*)	🌣 🗟 Preview 🕞 Run 🗎 🗟 🥑 Dashboard Properties
Column 1	Print & Export Options
Section 1	Page Report Links 2
	Prompts Buttons on Current Page
	<ul> <li>Allow Saving Personal Customizations</li> </ul>
Analysis One Compound View	Publish Page to Dashboard
	Advanced Page Properties
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	ninistrat	tion Consol	le 12c										ç	S
Change Center	🕜 Ho	ome Log Out	t Preferenc	es 📐 Red	ord Help		G	<b>L</b>	We	lcome,	biadmin	Conne	cted to	: bi
View changes and restarts	Home	e >Summary	of Deployr	nents										
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	_	iary of Depl	loyments Control	Monitoring	1									1
Lock & Edit														-
Release Configuration	This	page display	ys the list of	f Java EE ap	plications a	and standalor	ne application m	odules ins	talled to this dor	nain.				
Domain Structure		can update lication name					nodules from th	e domain b	by selecting the	checkbo	ox next to	the		
i				-			in this domain	dick Inst						
	To install a new application or module for deployment to targets in this domain, dick <b>Install</b> .													
	101	nstali a new a	application (	or module fo	r deployme	ent to targets	s in a ils domain,		an.					
Environment     Oeployments		stomize this		or module fo	r deployme	ent to targets	s in this domain,		an.					
Services     Security Realms	🖗 Cus			or module fo	r deployme	ent to targets	s in a lis domain,		an.					
Environment     Services	Cus Dep	stomize this	s table	or module fo	r deployme	ent to target	, in this domain,			1 to 30	of 30 Pr	evious	Next	
Environment     Environment     Services     Services     Services     Tracepresellity	Cus Dep	stomize this	s table		Health	Type	Targets	Scope			of 30 Pr Deploy			
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Environment     Deployments     Security Realms     Interoperability	Cus Dep	stomize this loyments stall Upd Name & E admi	s table	lete State	Health	<b>Type</b> Enterprise	Targets	Scope	Showing		Deploy			
- Environment - Deployments - Services - Security Realms - Interoperability - Diagnostics - tow do I	Cus Dep	stomize this loyments stall Upd Name $\Leftrightarrow$ (11.1.1)	s table	State	Health VOK	Type Enterprise Application Enterprise	Targets bi_duster	Scope Global	Showing		<b>Deploy</b> 260			
- Environment - Deployments - Services - Security Realms - Interoperability - Diagnostics - How do I	Cus Dep	stomize this loyments stall Upd Name $\Leftrightarrow$ $\oplus$ admin (11.1.1) $\oplus$ anal $\oplus$ anal asyncadmin	s table De inservice ytics	State Active	Health ∳ OK ∳ OK	Type Enterprise Application Enterprise Application Enterprise	Targets bi_duster bi_duster	Scope Global Global	Showing		<b>Deploy</b> 260 250			

Install Application Assista	ant					
Back Next Finish	Cancel					
Locate deployment to install and prepare for deployment						
	Select the file path that represents the application root directory, archive file, exploded archive directory, or application module descriptor that you want to install. You can also enter the path of the application directory or file in the Path field.					
Note: Only valid file paths contains the required deplo	are displayed below. If you cannot find your deployment files, Upload your file(s) and/or confirm that your application oyment descriptors.					
Path:	C:\fmw_book\Oracle_home\user_projects\domains\bi\bidata\components\OBIPS\bicustom.ear					
Recently Used Paths:	C:\fmw_book\Oracle_home\user_projects\domains\bi\bidata\components\OBIPS					
Current Location:	Current Location: localhost \C: \fmw_book \Oracle_home \user_projects \domains \bi \bidata \components \OBIPS					
I bicustom.ear						
Back Next Finish	Cancel					

Install Application Assistant					
Choose installation type and scope					
Select if the deployment should be installed as an application or library. Also decide the scope of this deployment.					
The application and its components will be targeted	to the same locations. This is the most common usage.				
Install this deployment as an application					
Application libraries are deployments that are availa applications.	ble for other deployments to share. Libraries should be available on all of the targets running their referencing				
$\bigcirc$ Install this deployment as a library					
$\bigcirc$ Install this deployment as an application,	, but target the components individually				
Useful when one or more of the modules or component	ents must have targets unique from the rest of the application.				
Select a scope in which you want to install the deplo	yment.				
Scope:	Global 🗸				
Back Next Finish Cancel					

Install Application Assistant
Select deployment targets
Select the servers and/or clusters to which you want to deploy this application.
Available targets for bicustom :
Servers
AdminServer
Clusters
<ul> <li>✓ bi_cluster</li> <li>○ All servers in the cluster</li> <li>● Part of the cluster</li> <li>✓ bi_server1</li> </ul>
Back Next Finish Cancel

Install Application	Assistant					
Review your cho	ices and click Finish					
Click Finish to comp	lete the deployment. This may take a few moments to complete.					
— Additional Conf	- Additional Configuration					
In order to work suc	In order to work successfully, this application may require additional configuration. Do you want to review this application's configuration after completing this assistant?					
🔿 Yes, take me t	to the deployment's configuration screen.					
No, I will revie	w the configuration later.					
— Summary ——						
Deployment:	C:\fmw_book\Oracle_home\user_projects\domains\bi\bidata\components\OBIPS\b	icustom.ear				
Name:	bicustom					
Staging Mode:	I will make the deployment accessible at C:\fmw_book\Oracle_home\user_projects \components\OBIPS\bicustom.ear	\domains \bi \bida ta				
Plan Staging Mode:	Use the same accessibility as the application					
Security Model:	DDOnly: Use only roles and policies that are defined in the deployment descriptors					
Scope:	Global					
Target Summary	Target Summary					
Components 🏟 Targets						
bicustom.ear		bi_server1				
Back Next	Finish Cancel					

Summary of Deployments - bi × +					
(i) localhost:9500/console/console.pc	rtal?_nfpb=true&_pageLabel=AppDeploymentsRuntimePage&AppDepl C C	Search			
	dministration Console 12c				
Change Center	The Home Log Out Preferences Record Help				
View changes and restarts	Home >Summary of Deployments				
Click the Lock & Edit button to modify, add or delete items in this domain.	Summary of Deployments				
Lock & Edit	Configuration Control Monitoring				
Release Configuration	This page displays the list of Java EE applications and standalone application modules insta	alled to thi	s domain.		
Domain Structure	You can start and stop applications and modules from the domain by selecting the checkbo	ox next to	the applic	ation name	
bi ⊕-Domain Partitions ⊕-Environment Deployments	Customize this table				
⊡-Services	Deployments				
Security Realms Interoperability	Start v Stop v				
⊡-Diagnostics	Servicing all requests	State	Health	Туре	
		Active	🖋 ок	Enterprise Application	
	☑         ⊞ bicustom         I	Prepared	🖋 ОК	Enterprise Application	

Start Application Assistant	
Yes No	
Start Deployments	
You have selected the following deployments to be started. Click 'Yes' to continue, or 'No' to cance • bicustom	el.
Yes No	

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	Analysis One Compound View	<ul> <li>Allow Saving Personal Customizations</li> <li>Publish Page to Dashboard</li> </ul>

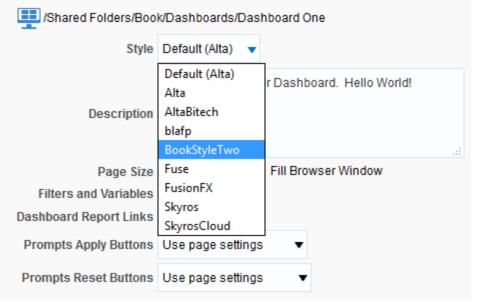
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Administration	Home	Catalog	Favorites 🔻	Dashboards 🔻	New <b>•</b>	Open 🔻	Signed In .	As Adrian 🔻
Security	M	lap Data Ma	nagement					
Manage Privileges Manage privileges and rights given to users and groups.			Map Data ayers, backgro	und maps and image	s.			
Session Management	M	larketing						
Manage Sessions View Oracle Business Intelligence session information including active users and queries.			Marketing Job kground marke	s ting jobs and databas	e cache resi	ult sets.		
Manage Agent Sessions View Agent session information including Agent state and recipients.				aults ngs such as Default (	ampaign Lo	ad Format and D	efault Global	Audience
Maintenance and Troubleshooting	_							
Manage Device Types Create, edit, view or delete Device Types.	в		BI Publisher 31 Publisher da	ta sources, scheduler	configuratio	n. deliverv destin	ations, and ru	intime
Toggle Maintenance Mode Maintenance Mode is currently off.		propertie	S.		-			
Reload Files and Metadata Reload The Reload XML message files, refresh server metadata, and clear caches.	в	l Mobile Ap	p Designer					
Reload Log Configuration Reload the logging configuration after update.	_		BI Mobile App (	Designer				
Default V				esigner data sources	, server conf	guration, runtime	properties, a	and plugins.
Issue SQL Issue SQL directly to Oracle BI Server.	в	l Search						
Scan and Update Catalog Objects That Require Updates Scan the catalog and update any objects that were saved with earlier versions of Oracle Business Intelligence.	\$	Configur Setup Bl		odel and Web Catalog	crawl.			
		Monitor ( Monitor a		lodel and Web Catalo	g crawls.			

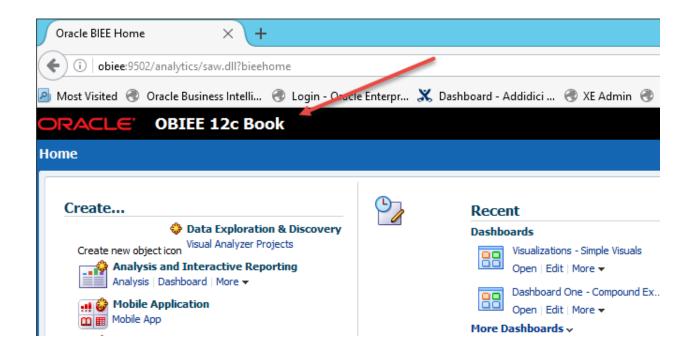
	Install Application Assistant					
⊿ 🔘 fmw_book						
BookCustomCode META-INF	Path:	C:\fmw_book\BookCustomCode				
	Current Location:	localhost \C: \ fmw_book				
⊿ µ res ▷ ]]₀ s_BookStyleTwo	BookCustomCode (open directory)					
Isk_BookStyleTwo WEB-INF	Back Next Finish Cancel					

## **Dashboard Properties**

Set properties for the Dashboard. Delete, rename, and reorder Dashboard pages.

### General Properties





## Chapter 17: Upgrading to 12c



0	Oracle Business Intelligence 12c Configuration Assistant - Step 3 of 9
Define New Domai	
Y Welcome	The domain is the basic unit of WebLogic administration. All BI components reside in one domain. The
Prerequisite Checks     Define New Domain	domain needs a place to store files, and initial administrator credentials.
Database Details	The domain files include configuration files, log files, and data files.
Port Management	The credentials define the initial administrator account. For security reasons no other default accounts
<ul> <li>Initial Application</li> </ul>	are created. Use this initial account to create inidvidual accounts for your users.
Summary	Location of new domain
Configuration Progress	Domains Directory C:\fmw_obiee\Oracle_home\bi\bin\\.\user_projec Browse
Configuration Complete	Domain Name bi
	Domain Home C:\fmw_obiee\Oracle_home\bi\bin\\\user_projects\domains\bi
	Credentials for new domain
	Username weblogic
	Password •••••
	Confirm Password
	Confirm the password by entering it again. The password must be a minimum of 8 and not exceed 30 alphanumeric characters. It must begin with an alphabetic character, use only alphanumeric, underscore (_), dollar (\$) or pound (#) characters and include at least 1 digit.
Help	< <u>Back</u> <u>Next</u> > <u>Finish</u> Cancel

	Oracle Business Intelligence 12c Configuration Assistant - Step 6 of 9
Initial Application	
Welcome	Choose the application that will be installed into your inital service instance. This can be the default
Prerequisite Checks	sample application, an application archive exported from another BI installation or you can choose to start
Define New Domain	with a clean slate.
Database Details	Oracle sample application (SampleAppLite)
Port Management	Your own existing BI Application from export bundle (.jar file)
Initial Application	Clean Slate (no predefined application)
ummary	
Configuration Progress	
Configuration Complete	
	Choose the application to be installed into your initial service instance.
Help	< <u>Back</u> <u>Next&gt;</u> <u>Finish</u> Cancel