
Business Intelligence System Overview *Rli*

Student Guide

14616GC10
Production 1.0
June 2000
M011805

ORACLE®

Author

April Nelson

**Technical Contributors
and Reviewers**

Lisa Chang

Patrick Donohue

Jeff Kirk

Leezet Llorance

Patrick Viau

Publisher

Nita Brozowski

Copyright © Oracle Corporation, 2000. All rights reserved.

This documentation contains proprietary information of Oracle Corporation. It is provided under a license agreement containing restrictions on use and disclosure and is also protected by copyright law. Reverse engineering of the software is prohibited. If this documentation is delivered to a U.S. Government Agency of the Department of Defense, then it is delivered with Restricted Rights and the following legend is applicable:

Restricted Rights Legend

Use, duplication or disclosure by the Government is subject to restrictions for commercial computer software and shall be deemed to be Restricted Rights software under Federal law, as set forth in subparagraph (c)(1)(ii) of DFARS 252.227-7013, Rights in Technical Data and Computer Software (October 1988).

This material or any portion of it may not be copied in any form or by any means without the express prior written permission of Oracle Corporation. Any other copying is a violation of copyright law and may result in civil and/or criminal penalties.

If this documentation is delivered to a U.S. Government Agency not within the Department of Defense, then it is delivered with "Restricted Rights," as defined in FAR 52.227-14, Rights in Data-General, including Alternate III (June 1987).

The information in this document is subject to change without notice. If you find any problems in the documentation, please report them in writing to Education Products, Oracle Corporation, 500 Oracle Parkway, Box SB-6, Redwood Shores, CA 94065. Oracle Corporation does not warrant that this document is error-free.

Express, Express Analyzer, Express Objects, Express Server, Personal Express, and Oracle are trademarks or registered trademarks of Oracle Corporation.

All other products or company names are used for identification purposes only, and may be trademarks of their respective owners.

Contents

Oracle Business Intelligence System Overview

Objectives	2
Overview	3
Product Overview	4
BIS Benefits	5
BIS Tools Interfaces	6
Objectives	7
BIS Components	8
Personal Homepage: Overview	10
Personal Homepage Icons	11
Personal Homepage: Regions	12
Personal Homepage: Navigate Region	13
Personal Homepage: Performance Measures Region	14
Personal Homepage: Favorites Region	15
Personal Homepage: Worklist Region	16
Personal Homepage: Trends Region	17
Personal Homepage: Ask Oracle Region	18
Ask Oracle Example: Question	19
Ask Oracle Example: Result	20
Personal Homepage: Business Views Catalog Search	21
Business Views Catalog Search Example	22
Business Views Catalog Search Example: Results	23
Review Question	24
Review Question Solution	25
BIS Components	26
Intelligence Reports	27
Intelligence Reports: Reports Menu	31
Intelligence Reports: Report Parameters	32
Intelligence Reports: Reports Output	33
Intelligence Reports: Example	34
Review Question	35
Review Question Solution	36
BIS Components	37
Business Views: View Definition	38
Business Views: Example	39
Business Views: Business Views Catalog Search	40
Review Question	41
Review Question Solution	42
BIS Components	43

Analysis Workbooks: Overview	44
Analysis Workbooks: Discoverer	45
BIS Components	46
Performance Management Framework	47
Performance Management Framework Process	48
Review Question	53
Review Question Solution	54
Summary of BIS Components	55
Objectives	56
BIS Architecture	57
BIS Intelligence Areas	62
Objectives	63
BIS On-line Help	64
Objectives	65
New for BIS R11i	66
Summary	67

Oracle Business Intelligence System Overview

Release 11*i*

Copyright © Oracle Corporation, 2000. All rights reserved.

ORACLE

Objectives

After this completing this course, you should be able to do the following:

- **Describe the Oracle Business Intelligence System (BIS)**
- **Describe BIS components**
- **Describe the BIS architecture and product interfaces**
- **Describe online help for BIS**
- **Discuss the new features of BIS, Release 11*i***

Overview



**BIS product
description and
application
components**



BIS architecture

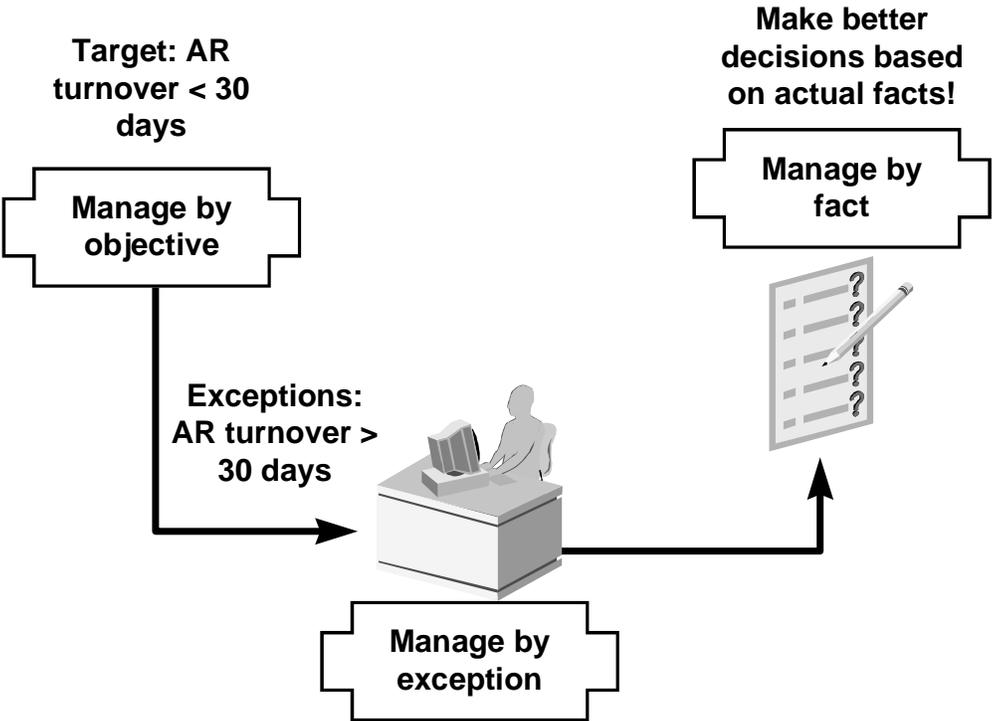


On-line help

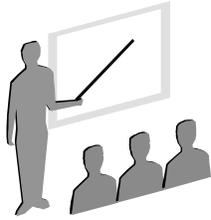


**Release 11i new
features**

Product Overview



BIS Benefits



Provides accurate reporting



Answers complex questions



Provides user flexibility

BIS Tools Interfaces



Oracle Alert



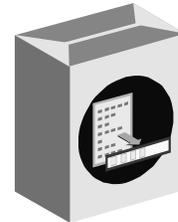
Oracle Reports



Oracle WebDB



Oracle Workflow



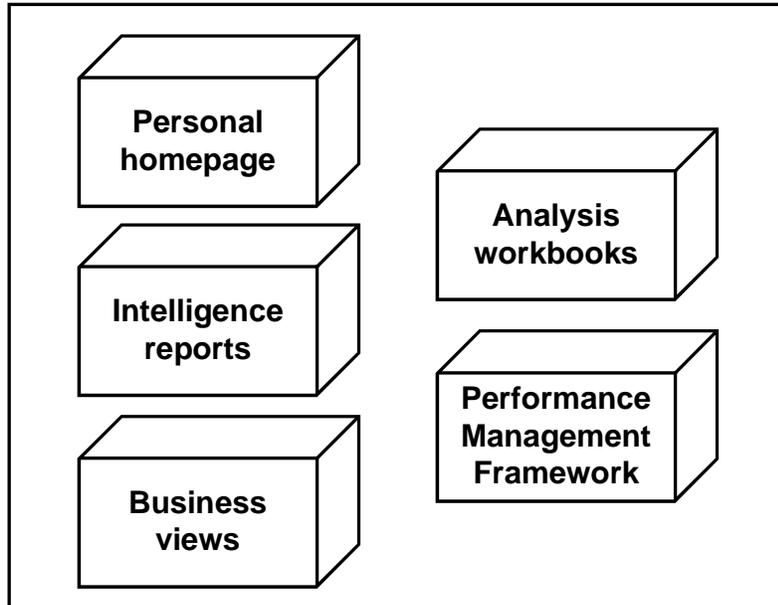
Oracle Discoverer

Objectives

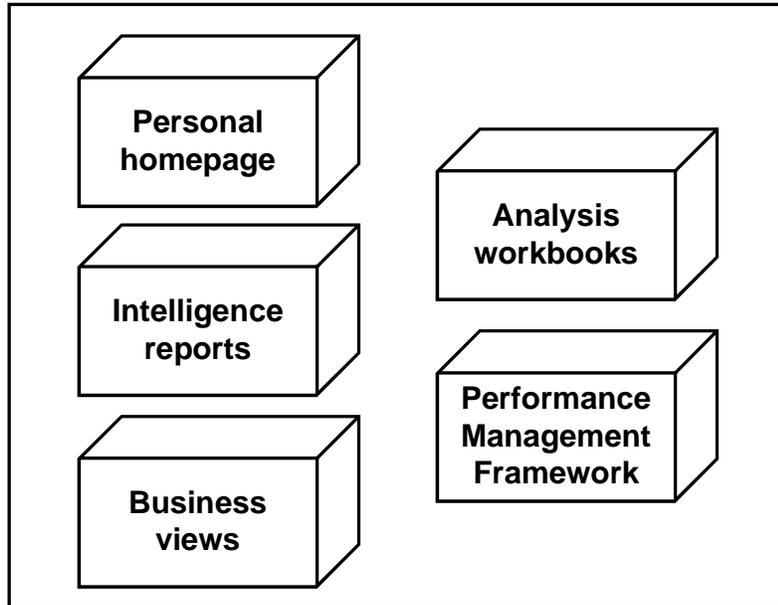
After this completing this course, you should be able to do the following:

- **Describe the Oracle Business Intelligence System (BIS)**
- **Describe BIS components**
- **Describe the BIS architecture and product interfaces**
- **Describe online help for BIS**
- **Discuss the new features of BIS, Release 11*i***

BIS Components



BIS Components



Personal Homepage: Overview

Main Menu		My Home Page	
Navigate		Performance Measures	
Self-Service		AR Turnover 25	
<input type="radio"/> Expense Reports		Favorites	
<input type="radio"/> Financials Intelligence			
<input type="radio"/> Operations Intelligence		Oracle Corporation	
Applications		Yahoo	
<input type="radio"/> Alert Manager		Revenues Report	
<input type="radio"/> Oracle Receivables		Ask Oracle	
<input type="radio"/> Workflow		<input type="text"/>	
		<input type="button" value="Search"/>	

Personal Homepage Icons



Help

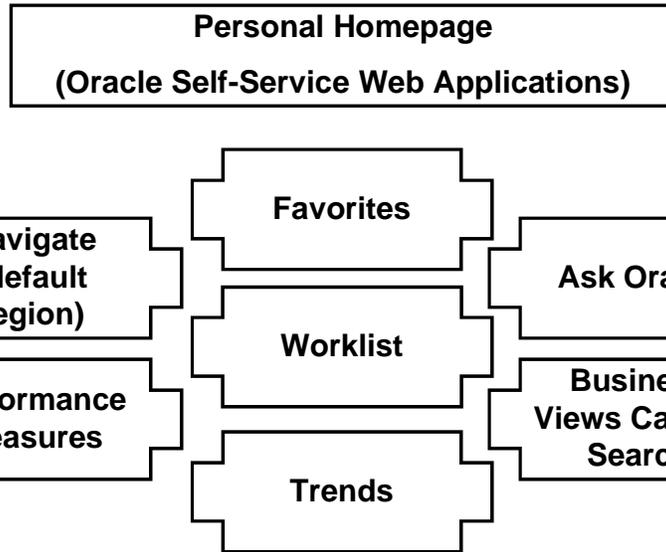


Create and Modify Pages

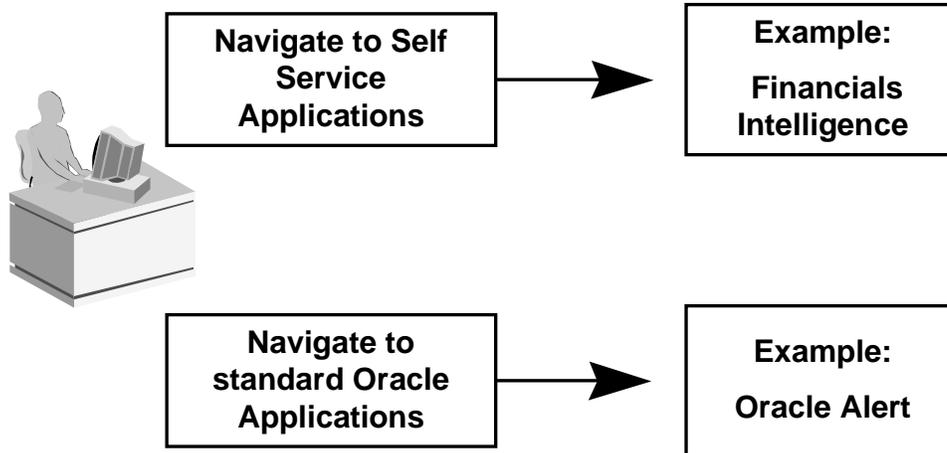


Exit

Personal Homepage: Regions



Personal Homepage: Navigate Region



Personal Homepage: Performance Measures Region

The Performance Measure region includes the performance measures that you want to monitor. You add these measures to the region by selecting the **Customize** link located in the region. After adding them to the region, BIS automatically displays their associated actual values.

Region name	Customize link
<u>Performance Measures</u>	<u>Customize</u>
Accounts Receivable Turnover	30

Personal Homepage: Favorites Region

The Favorites region enables you to set up custom access to any of the links in the Navigate region, including reports. You can also add your favorite web sites to the Favorites region.

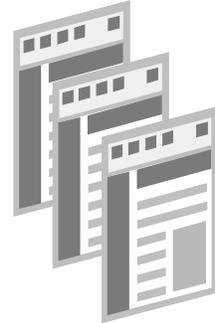


**Oracle Self-Service
and standard
applications**

Favorites Region

Examples:

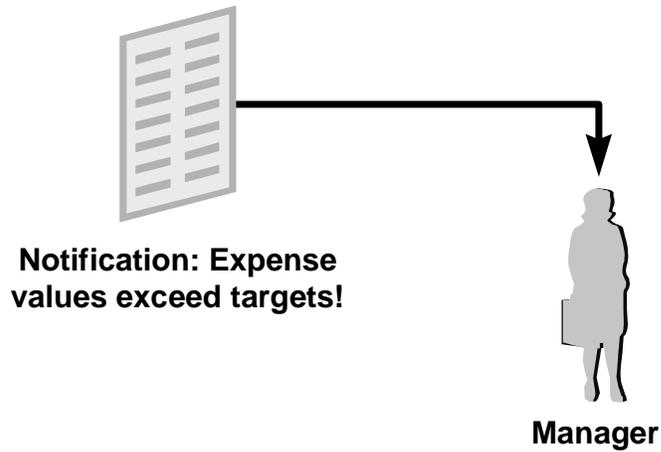
- Financials Intelligence report
- www.oracle.com
- www.yahoo.com
- Oracle Receivables



**Your favorite
reports and web
sites**

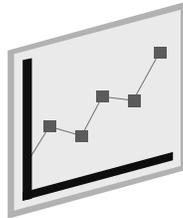
Personal Homepage: Worklist Region

The Worklist region consists of links to notifications that might require some type of action or provide you with information about a business metric.



Personal Homepage: Trends Region

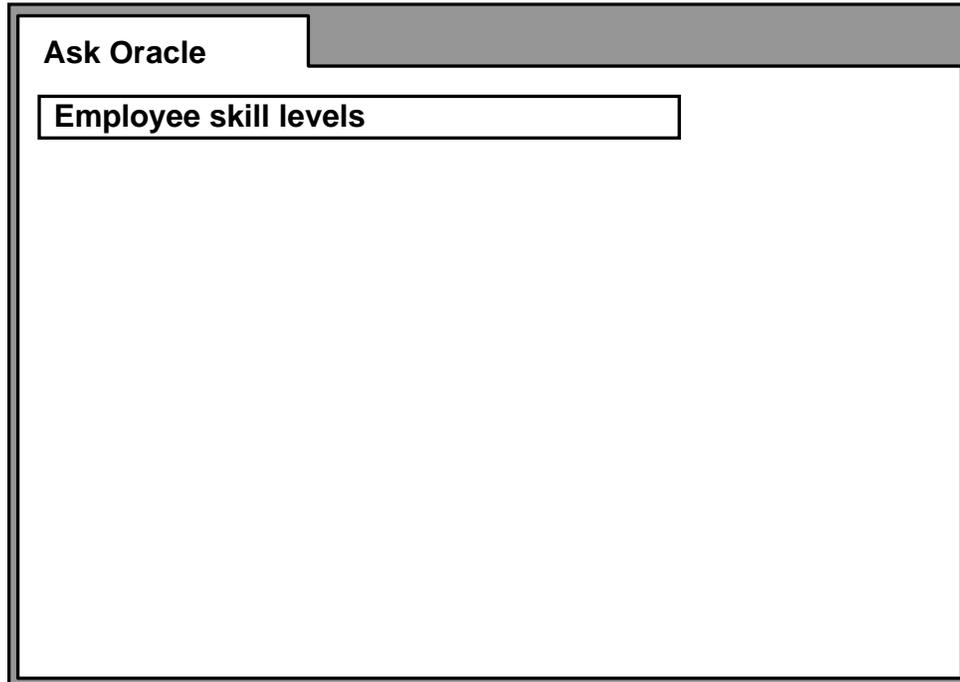
Displays the trend graph for a particular business metric, such as earnings per share.



Personal Homepage: Ask Oracle Region

- **The Ask Oracle region enables you to search for intelligence reports and analysis workbooks using standard words and phrases, such as, “What are my employee skill levels?”**
- **After asking your question, Ask Oracle returns the following information:**
 - **Links to reports that contain information included in your question**
 - **Links to related questions**
 - **Links to on-line help**

Ask Oracle Example: Question



The screenshot shows a web interface for asking questions. At the top left, there is a tab labeled "Ask Oracle". Below it, a text input field contains the question "Employee skill levels". The rest of the page is empty, suggesting the question has been submitted and the results are not yet visible.

Ask Oracle Example: Result

Ask Oracle

Employee skill levels

Go To

Production per Employee

Related Questions...

Where is staff turnover reaching critical levels, why ?

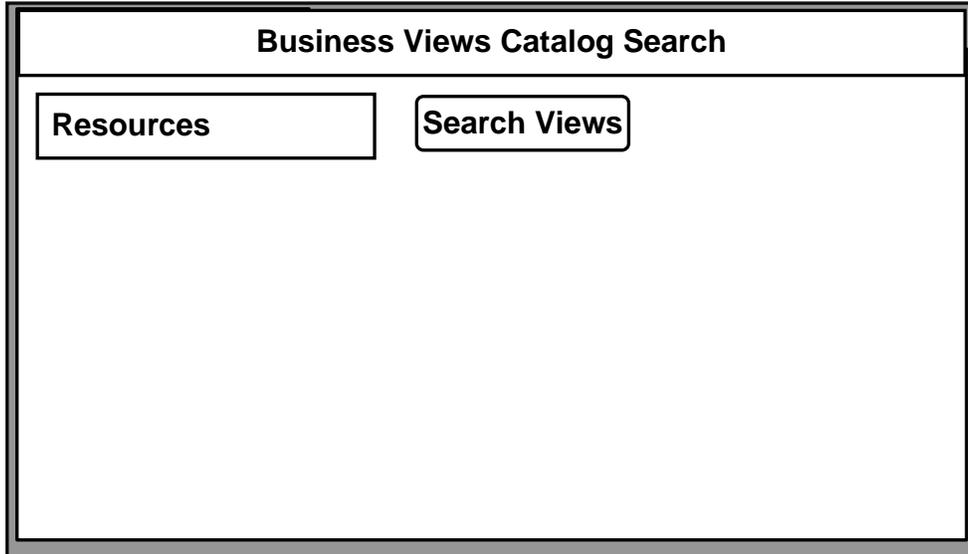
? (Help)

- **HRMS Intelligence (Self Service Apps)**
- **Performance Measures for for HRMS**

Personal Homepage: Business Views Catalog Search

- **The Business Views Catalog region is a context sensitive search engine that enables you to search for Discoverer folders and business areas related to your search condition.**
- **The results of the search return the following:**
 - **The folder name or names associated with your search condition**
 - **The business area associated with the folder**
 - **A description of the folder content**

Business Views Catalog Search Example



Business Views Catalog Search Example: Results

Business Views Catalog Search		
<input type="text" value="Resources"/>	<input type="button" value="Search Views"/>	
Folder	Business Area	Folder Description
Plan Resource Capacities	Planning	Department resources and lines used in the plan

Review Question

Which region of the Personal Homepage appears by default?

Review Question Solution

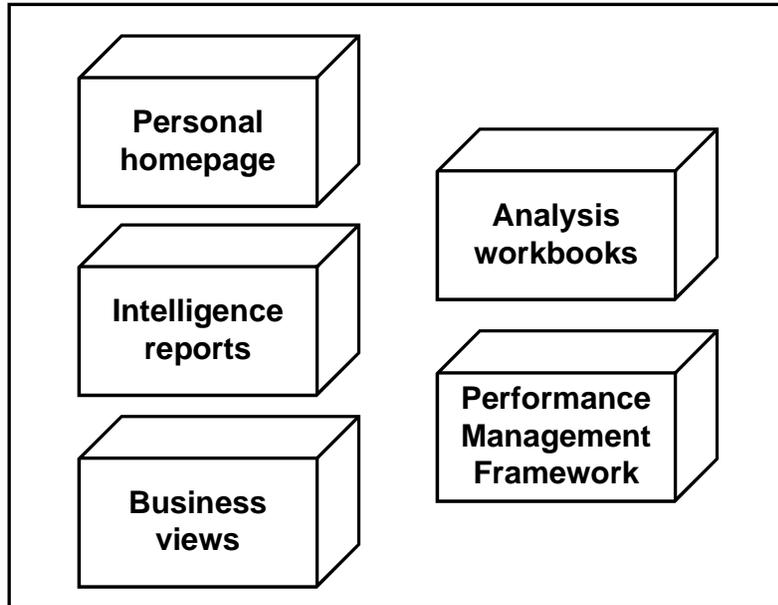
Which region of the Personal Homepage appears by default?

Answer:

Navigate region

The Navigate region is automatically included on the Main Menu default page.

BIS Components

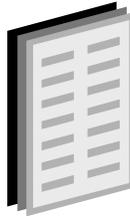


Intelligence Reports

Access from the
Personal
Homepage

- Navigate link
- Favorites link

Can view by a
variety of
parameters



Report
enterprise
performance

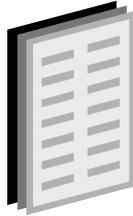
Associated with
performance
measures and other
business metrics

Intelligence Reports

Access from the
Personal
Homepage

- Navigate link
- Favorites link

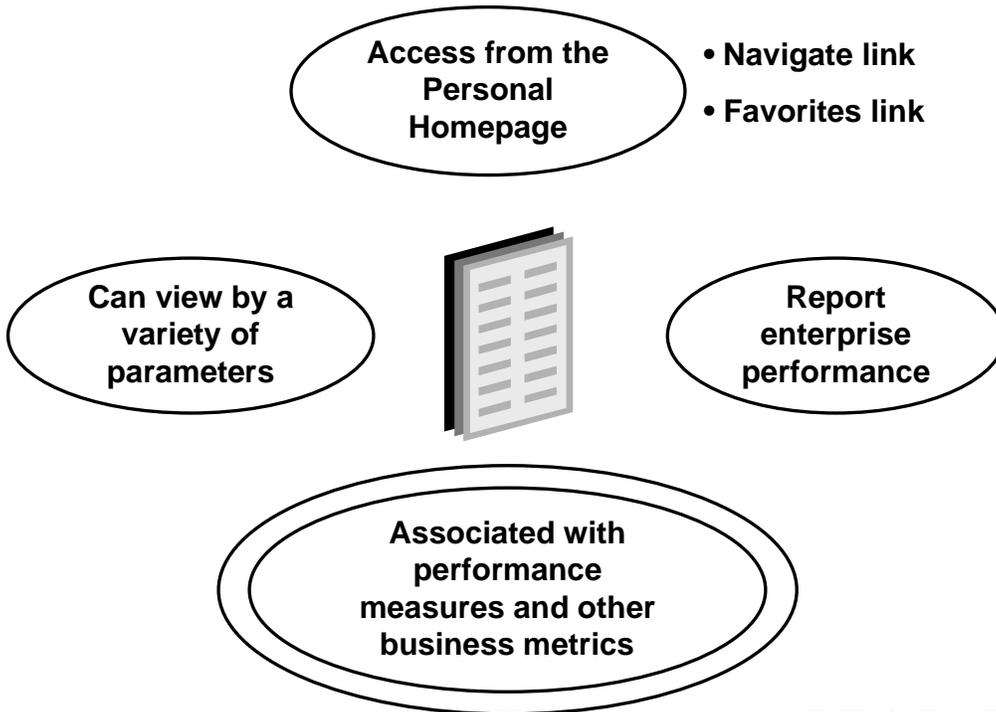
Can view by a
variety of
parameters



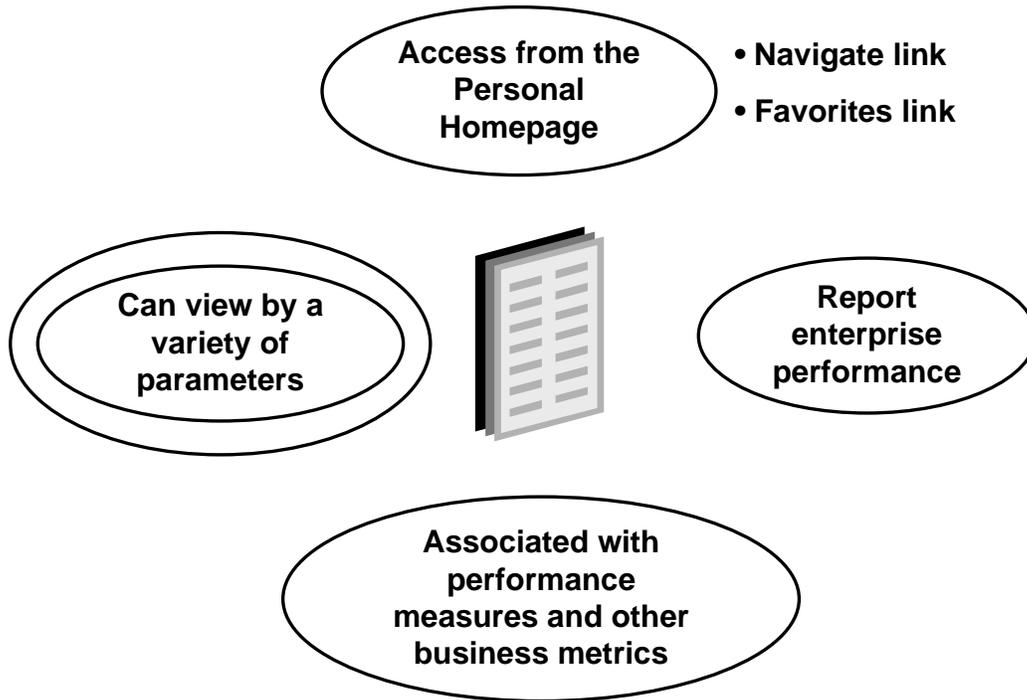
Report
enterprise
performance

Associated with
performance
measures and other
business metrics

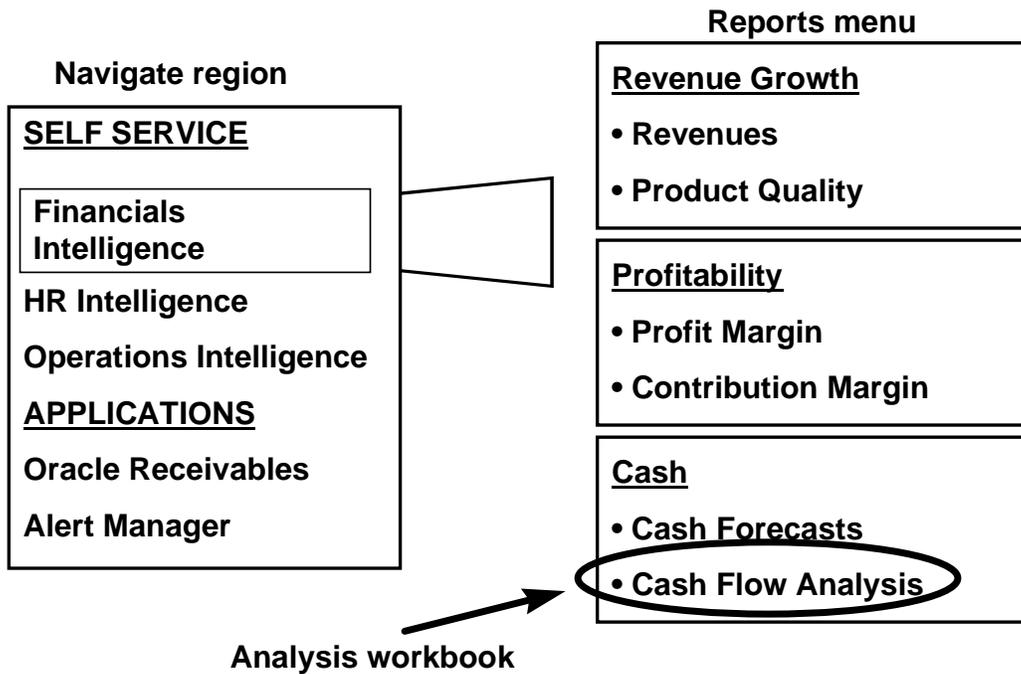
Intelligence Reports



Intelligence Reports



Intelligence Reports: Reports Menu

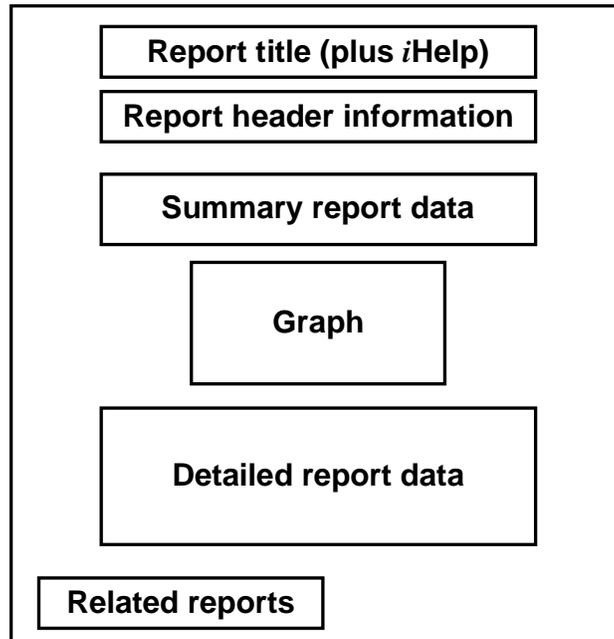


Intelligence Reports: Report Parameters

Parameters are variables that you select or enter for a particular report to filter the report output. Parameters vary per report, and not every report requires parameters. The following example shows some typical parameters and their associated parameter values:

<u>Parameter</u>	<u>Parameter Value</u>
Operating Unit	Vision Operations
Reporting Dates	01-JAN-2000 to 31-MAR-2000
Currency	USD (or United States dollar)

Intelligence Reports: Reports Output

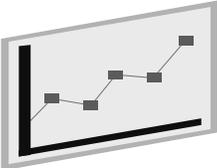


Intelligence Reports: Example

REVENUES


Set of Books: Vision Corporation
Fiscal year 1999

	<u>Current Year</u>	<u>Plan</u>	<u>Variance</u>
PTD	150	125	25



	<u>Current Year</u>	<u>Plan</u>	<u>Variance</u>
Jan	50	50	25
Feb	50	50	0
Mar	25	25	0

Related Reports

GL Analysis Workbook
Profile Margin

Review Question

True or False Question

Report parameters enable you to filter the output of a given report?

True or False?

Review Question Solution

True or False Question Solution

Report parameters enable you to filter the output of a given report?

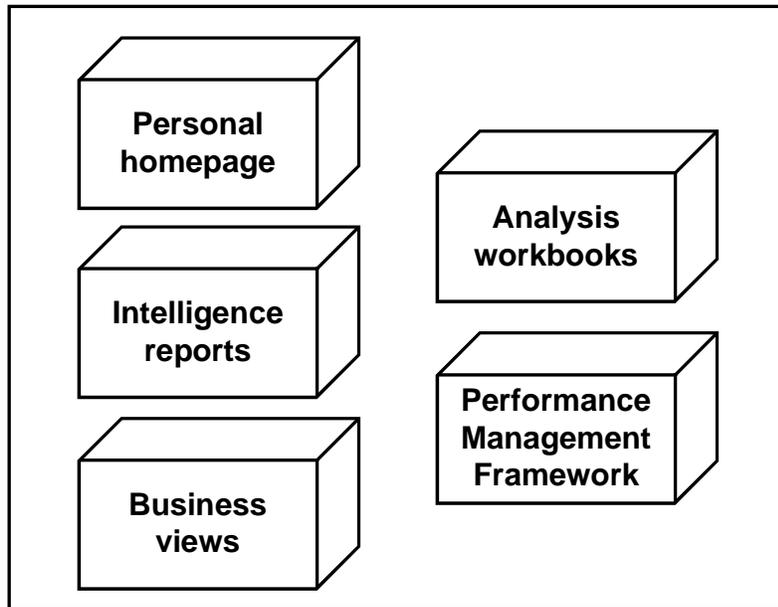
True or False?

Answer:

True.

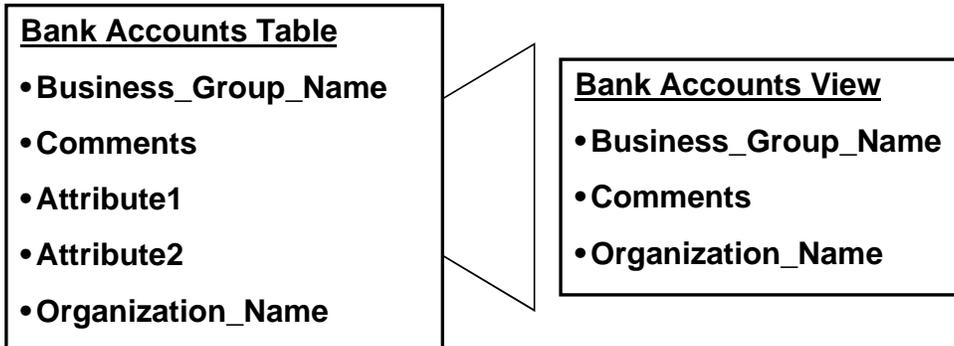
Entering report parameters, such as date and organization, ensure that the resulting report includes only the data related to the parameters that you entered.

BIS Components



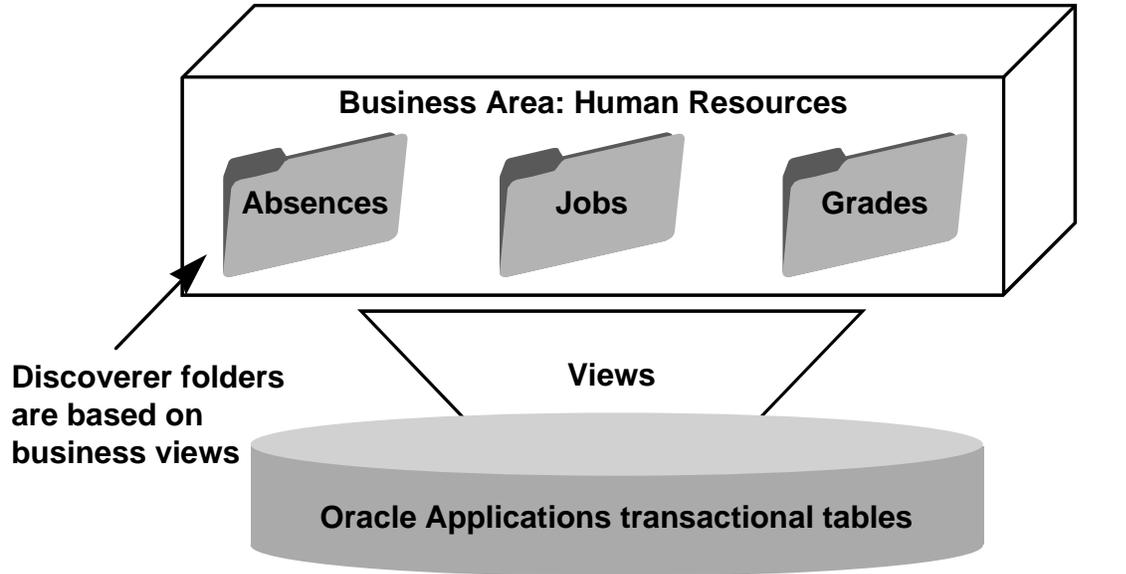
Business Views: View Definition

The data associated with BIS analysis workbooks originates from business views. A view typically represents a subset of columns from a transactional table. Views often present a less complex view of the data than what exists in the underlying transactional tables.



Business Views: Example

Business areas are associated with an Oracle Application, such as Human Resources. The business areas contain associated folders



Discoverer folders are based on business views

Business Views: Business Views Catalog Search

Business Views Catalog Search		
<input type="text" value="Bill of Resources"/>	<input type="text" value="Search Views"/>	
Folder	Business Area	Folder Description
Bill of Materials	Bills of Materials and Engineering	Includes detailed information about Bills of Materials

Review Question

True or False Question

A view typically contains a subset of columns from a transactional table or tables.

True or False?

Review Question Solution

True or False Question Solution

A view typically contains a subset of columns from a transactional table or tables.

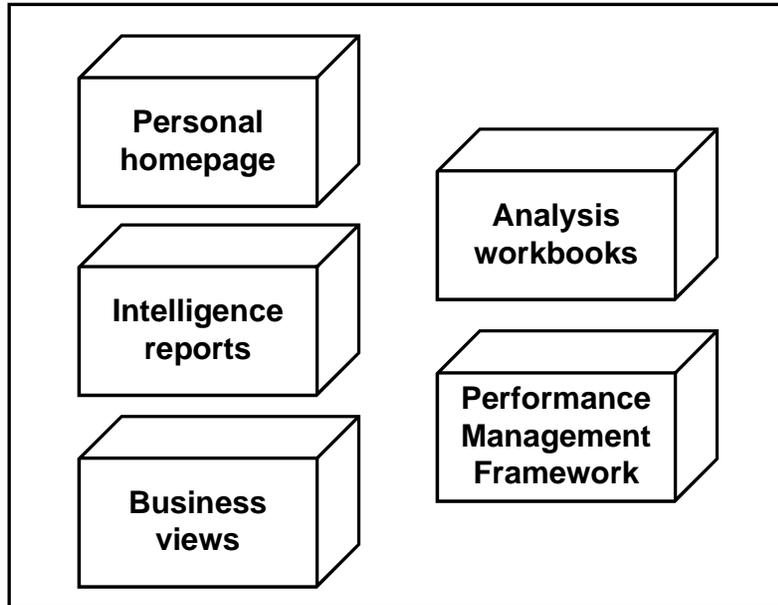
True or False?

Answer:

True.

A view typically represents a simplified subset of columns from a transactional table. The data associated with analysis workbooks comes from underlying business views.

BIS Components



Analysis Workbooks: Overview

Order #	Customer Name	Status	Order
25941	Computer		Comp
25940	Service		Comp
25939	Business Wrld-1		Comp
25938	Business Wrld-1		Comp
25937	Business Wrld-1		Comp
26252	Business Wrld-1		Comp
26251	Business Wrld-1		Comp
26454	Business Wrld-1		Comp
26453	Business Wrld-1		Comp
26353	Computer Servi		Comp

Worksheets



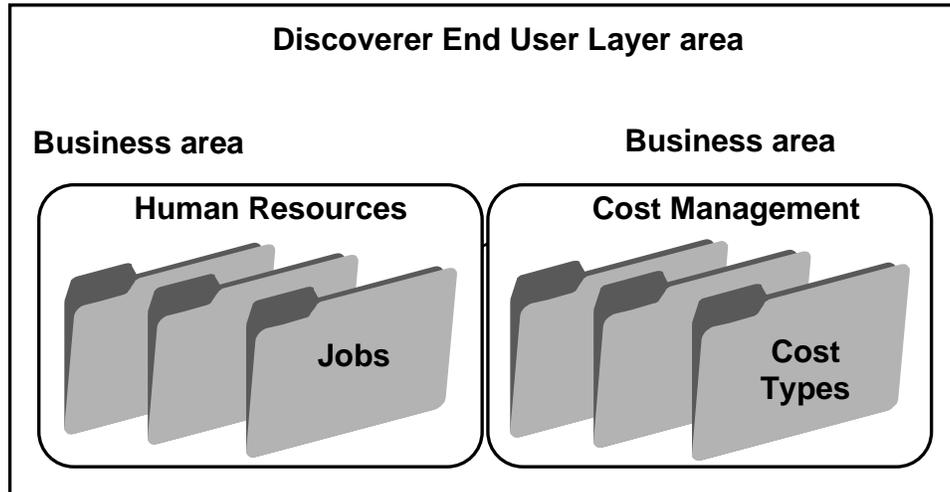
Summary

Detail

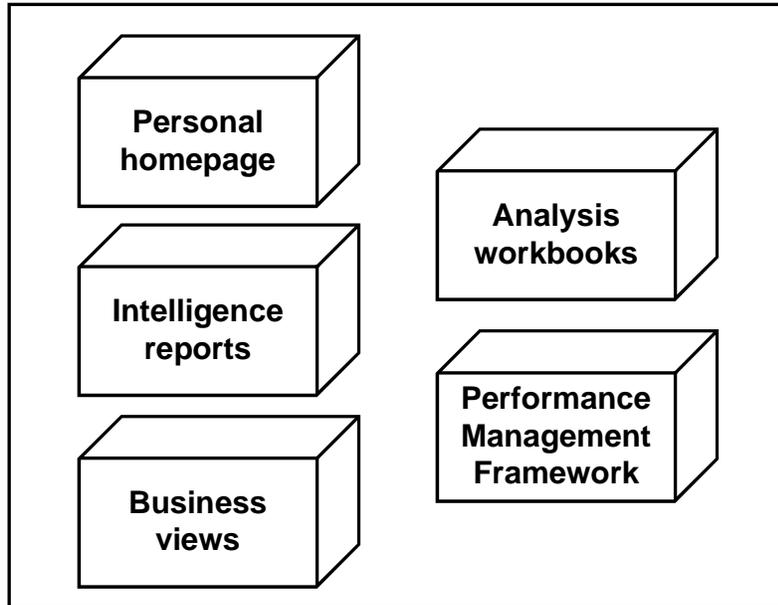
Analysis Workbooks: Discoverer

Oracle Discoverer

- Business areas
- Folders



BIS Components



Performance Management Framework



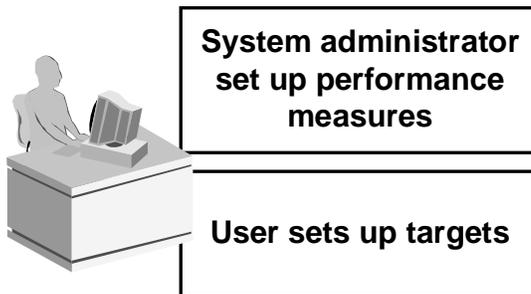
Business metric:
Headcount by Quarter



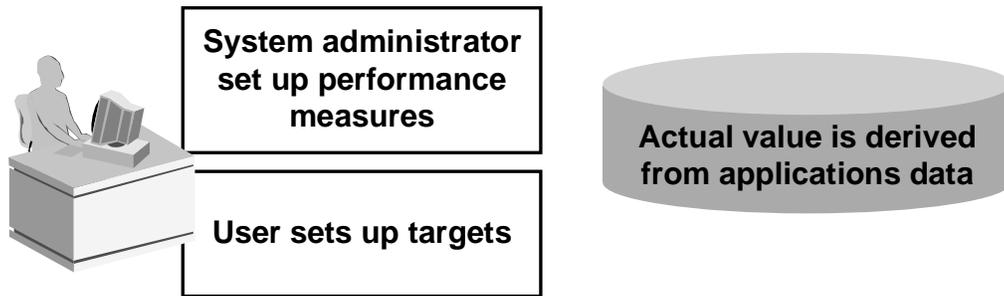
Targets and tolerances:

- **Target example: 500 employees**
- **Tolerance example: Greater than 500 employees or Less than 200 employees**

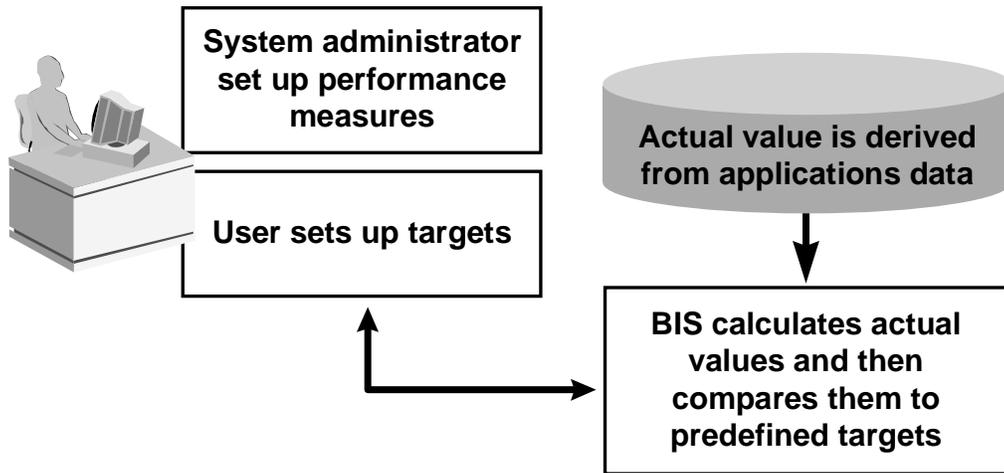
Performance Management Framework Process



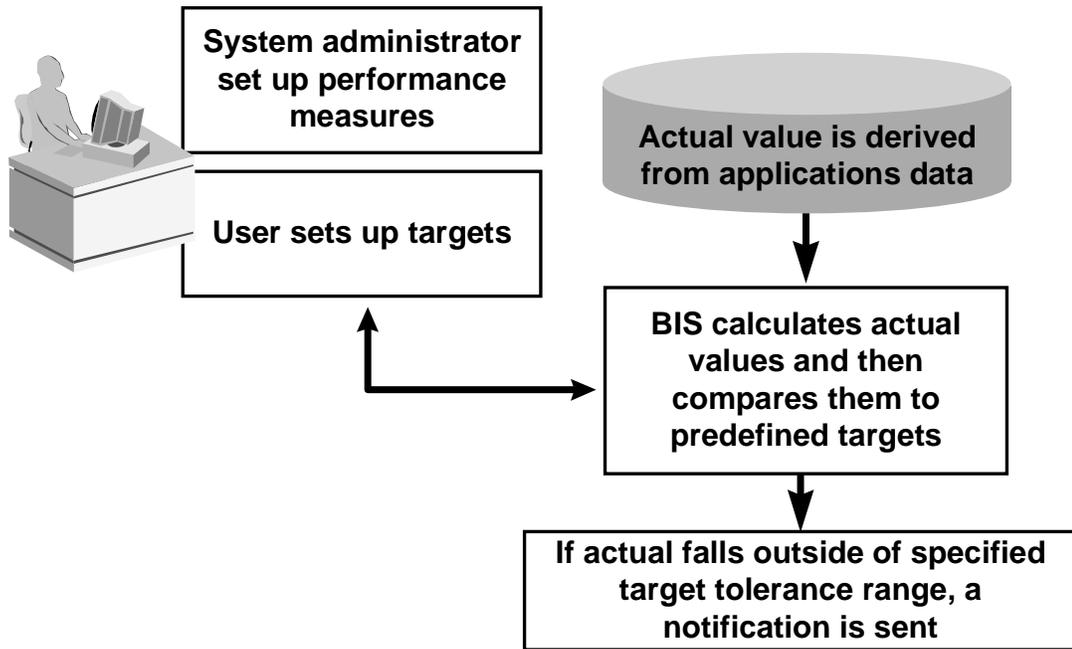
Performance Management Framework Process



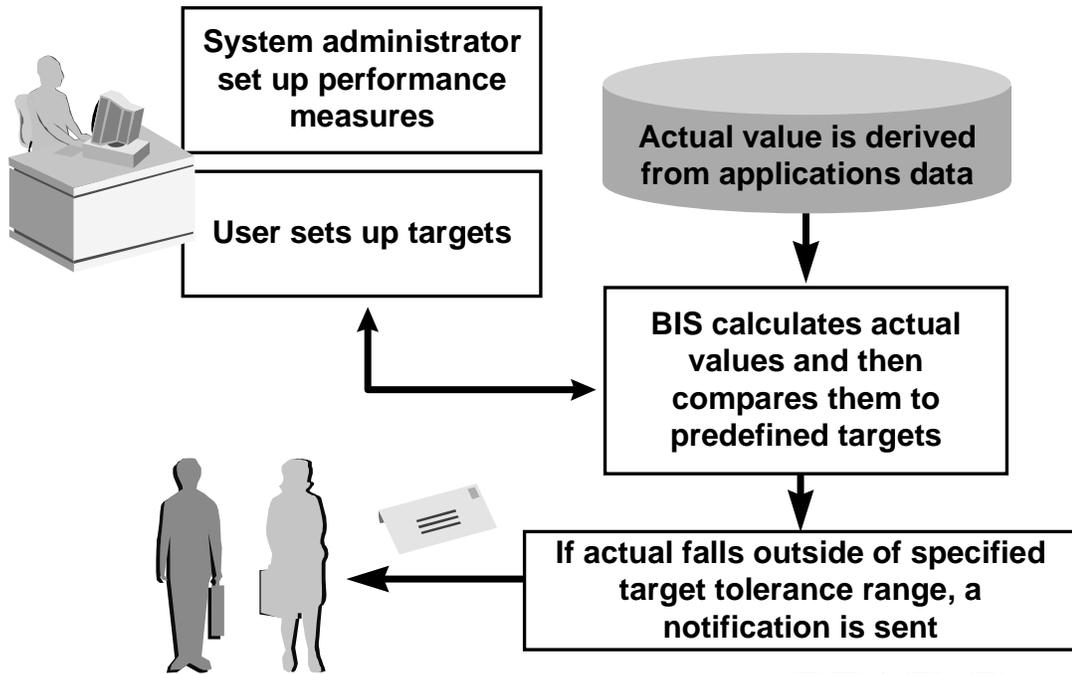
Performance Management Framework Process



Performance Management Framework Process



Performance Management Framework Process



Review Question

True or False Question

The Performance Management Framework enables you to keep track of actual business values, but does not enable you to compare these values to a target or tolerance range.

True or False?

Review Question Solution

True or False Question Solution

The Performance Management Framework enables you to keep track of actual business values, but does not enable you to compare these values to a target or tolerance range.

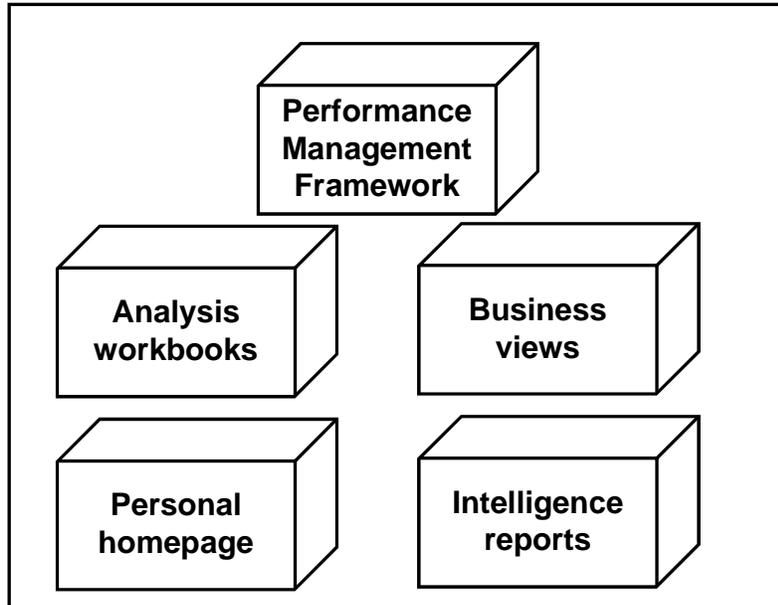
True or False?

Answer:

False.

One of the biggest benefits of the Performance Management Framework is that it does enable you to compare actual values to predefined target values and associated tolerance ranges.

Summary of BIS Components



Objectives

After this completing this course, you should be able to do the following:

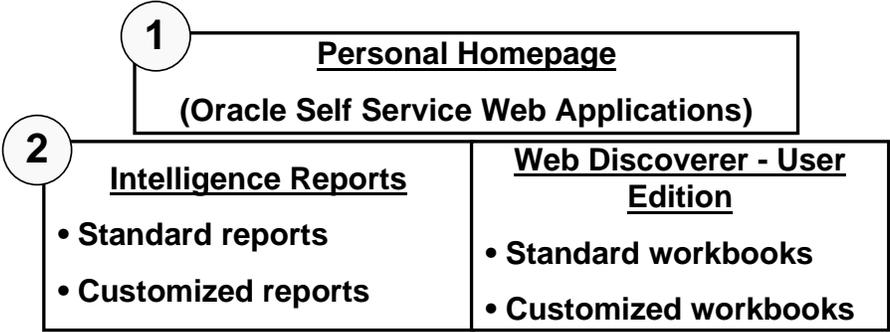
- Describe the Oracle Business Intelligence System (BIS)
- Describe BIS components
- Describe the BIS architecture and product interfaces
- Describe online help for BIS
- Discuss the new features of BIS, Release 11*i*

BIS Architecture

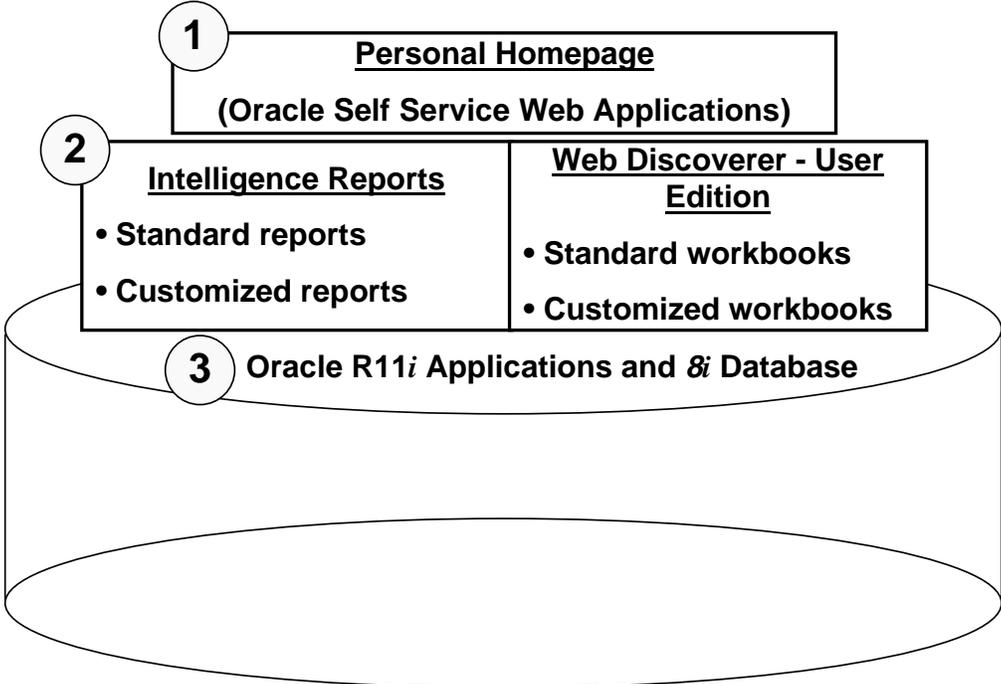
1

Personal Homepage
(Oracle Self Service Web Applications)

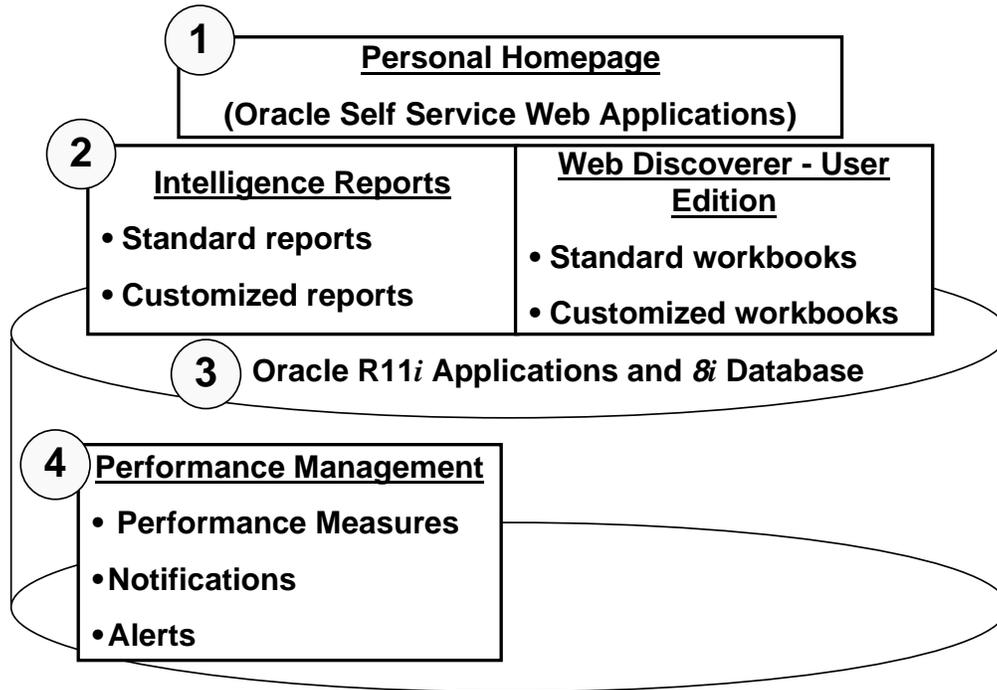
BIS Architecture



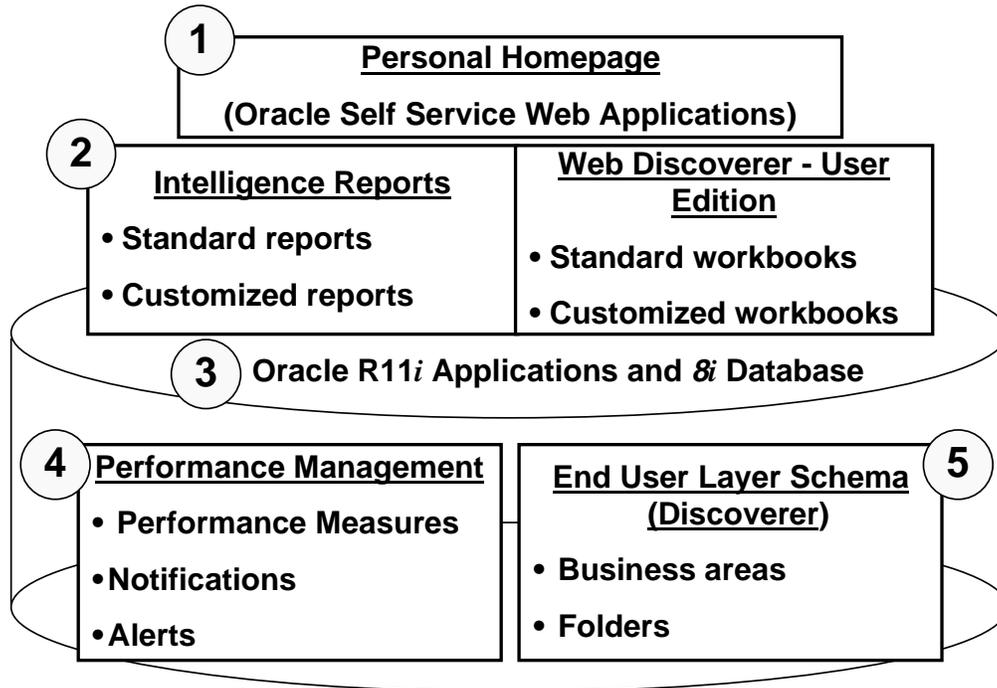
BIS Architecture



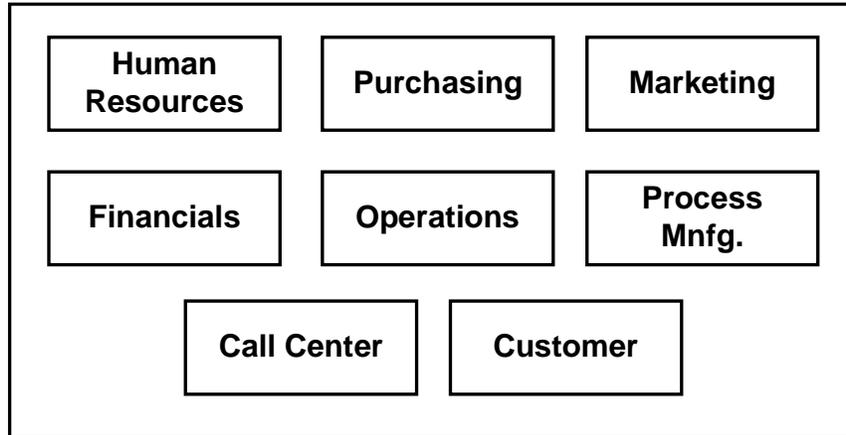
BIS Architecture



BIS Architecture



BIS Intelligence Areas



Objectives

After this completing this course, you should be able to do the following:

- **Describe the Oracle Business Intelligence System (BIS)**
- **Describe BIS components**
- **Describe the BIS technology stack and product interfaces**
- **Describe online help for BIS**
- **Discuss the new features of BIS, Release 11*i***

BIS On-line Help

Ask Oracle

Performance
measures



Reports

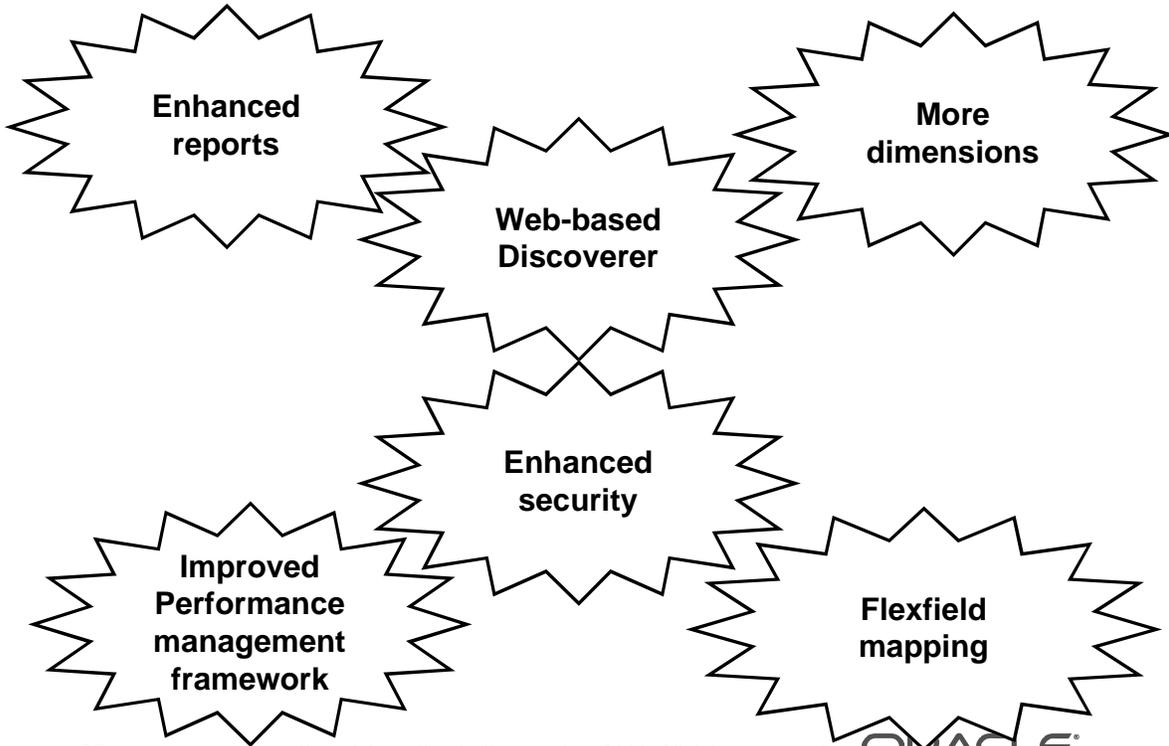
Homepage
regions

Objectives

After this completing this course, you should be able to do the following:

- Describe the Oracle Business Intelligence System (BIS)
- Describe BIS components
- Describe the BIS technology stack and product interfaces
- Describe online help for BIS
- **Discuss the new features of BIS, Release 11*i***

New for BIS R11i



66

Copyright © Oracle Corporation, 2000. All rights reserved.

ORACLE®

Summary

After completing this course, you should be able to do the following:

- **Describe the Oracle Business Intelligence System (BIS)**
- **Describe BIS components**
- **Describe the BIS architecture and product interfaces**
- **Describe online help for BIS**
- **Discuss the new features of BIS, Release 11*i***

