

ORACLE®

Building Database-Centric Web Applications Using Oracle HTML DB

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Oracle University

Session Objectives

- **Overview of Oracle HTML DB**
- **Identify advantages of Oracle HTML DB for building applications**
- **List h/w and s/w requirements**
- **List key features**
- **Identify components and capabilities**

What Is Oracle HTML DB?

- **New feature in Oracle Database 10g**
- **Browser-based application development tool that resides in the Oracle database**
- **Environment to develop browser-based Web applications that are database-centric**



ORACLE[®] **10^g** HTML DB
DATABASE

Benefits of using HTML DB

- **Easy-to-use application development environment**
- **Short learning curve for SQL and PL/SQL programmers**
- **Simple, self-contained architecture**
- **Flexible look-and-feel options provided by themes and templates**
- **Platform-independent environment**

Tracking Application (Sample 1)

The screenshot shows the Oracle Task Navigator application running in a Mozilla browser window. The browser's address bar shows the URL: `Root > Special Web Systems > HTML DB > Product Management`. The application interface includes a search bar, a "Hide Closed" checkbox, and "Reset Tree" and "Top" buttons. The main content area displays a hierarchical tree structure of tasks, with "Product Management" selected. The tree structure is as follows:

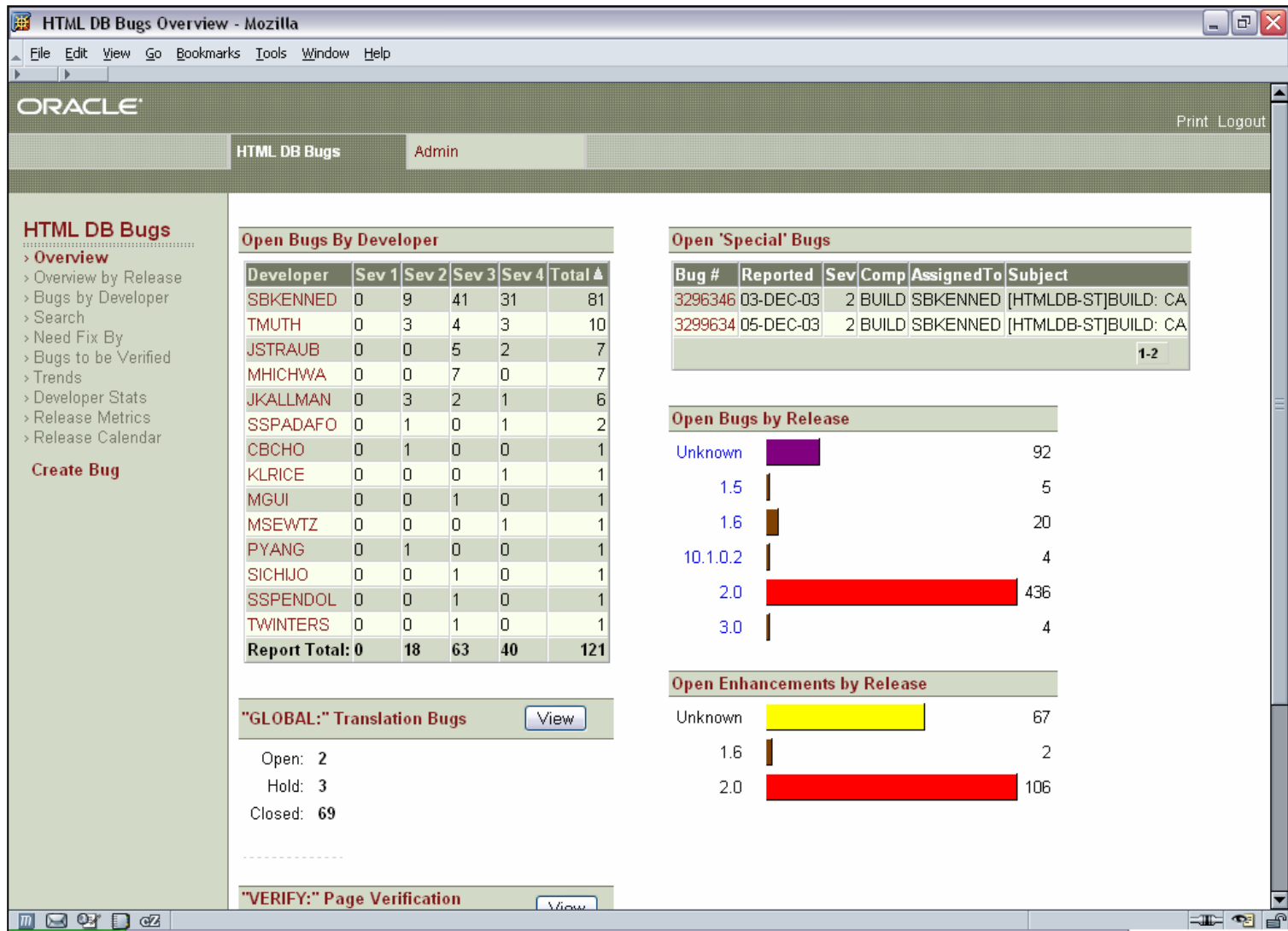
- Product Management (show parent)
 - Customer Projects
 - OTN content
 - how to (otn)
 - html db splash
 - Oracle 10g
 - How To Guides (files)
 - html db logo's
 - Customer Feedback
 - Internal Customer Assistance
 - External Customer Assistance / References
 - Presentations
 - Accessibility
 - Curriculum
 - two day instructor lead training
 - Future Releases
 - Marketing
 - Partners
 - Reston Partner Workshop (07-OCT-03)
 - Canadian Tour for partners
 - Reference Candidates

The right sidebar contains three panels: "Task Manager" with a hover instruction and a "Learn More" link; "Bookmarks" with a "Product Management" bookmark and a "Manage Bookmarks" link; and "Priority Legend" with a color-coded key:


- Red circle: Must Have
- Orange circle: Should Have
- Yellow circle: Could Have
- Green circle: Will Not Have
- Light blue circle: Unprioritized

The Oracle logo and "Task Navigator" text are visible in the top left of the application area. The browser window title is "Task Navigator - Mozilla".

Business Intelligence Application (Sample 2)




Text-search Application (Sample 3)



[\[Recent \]](#) [Archives](#) [Advanced Search](#) [FAQ by Category](#) [Most Popular](#)

Search



Hit	Subject	Last Updated	First Asked	Age
1.	how to access variable	19 Apr 2004	21 Aug 2002	1.7 years old
2.	snapshot too old error	19 Apr 2004	05 Jun 2000	3.9 years old
3.	Generating XML without converting '&' to '&#38;'	19 Apr 2004	02 Jun 2002	1.9 years old

Hardware and Software Requirements



Database

**Oracle 9.2.0.3 or later
(Standard or enterprise edition)
Minimum 512 MB memory**



Web server

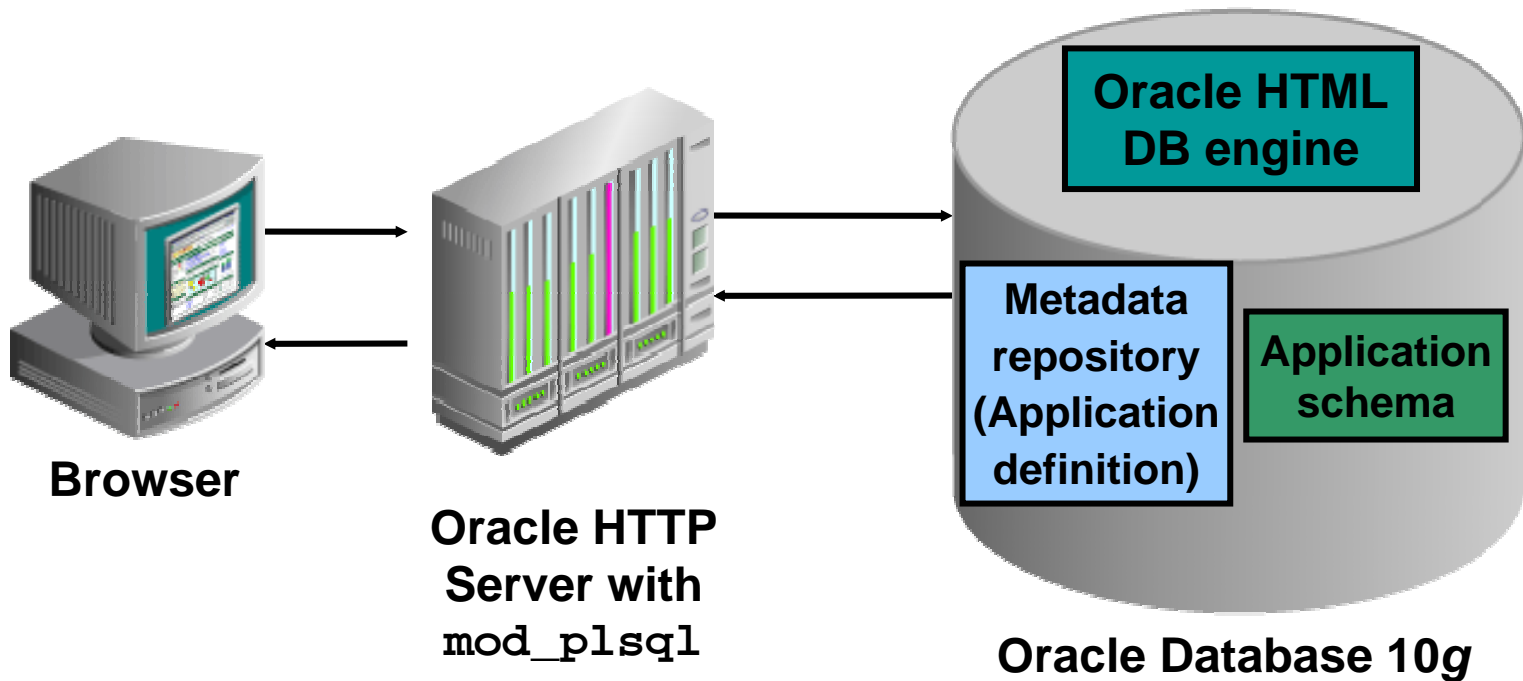
**Oracle HTTP Server
with `mod_plsql`**



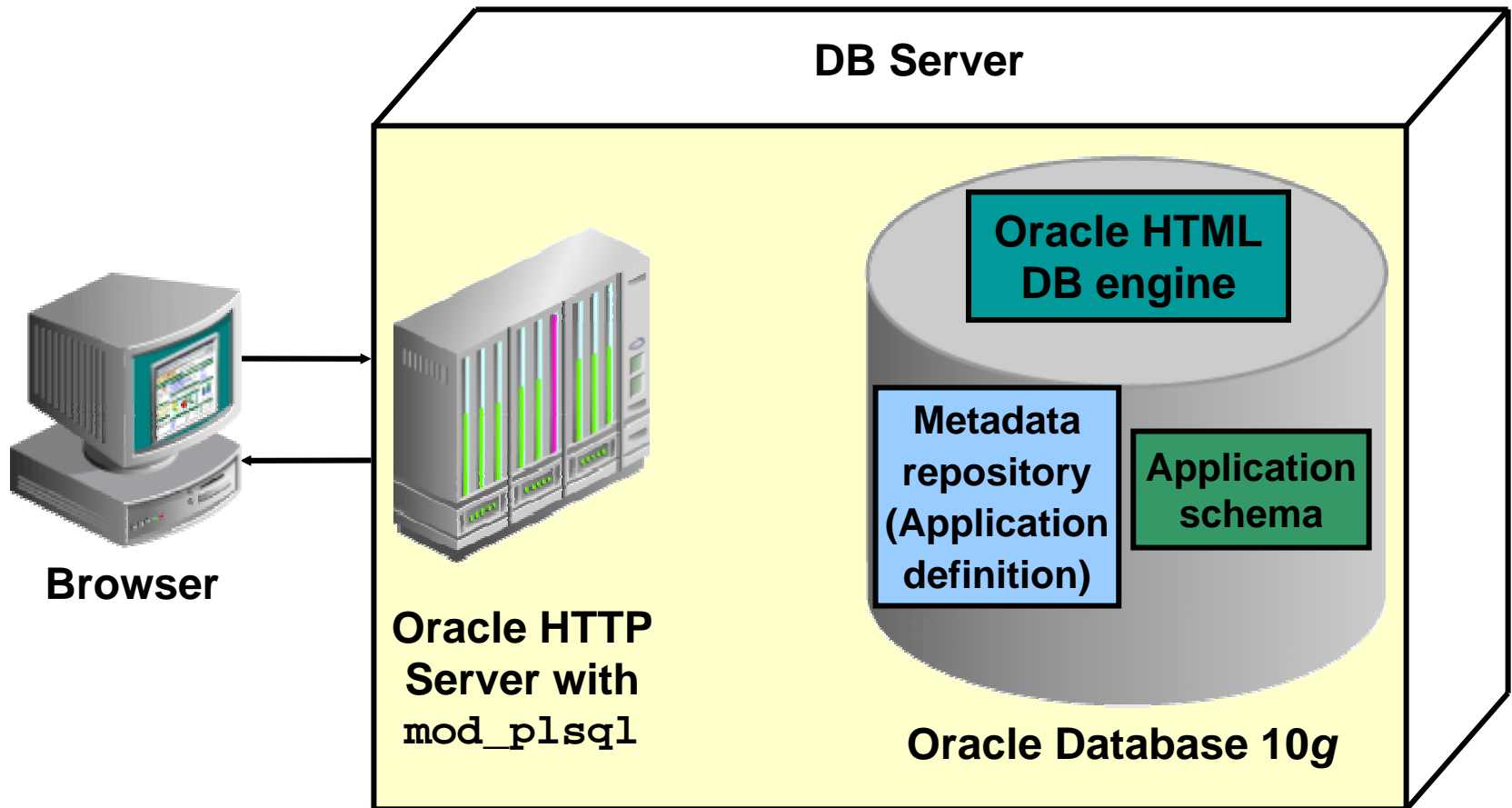
Client Web browser

**IE 5.5 and above,
Netscape 7.0 and above,
Mozilla 1.2**

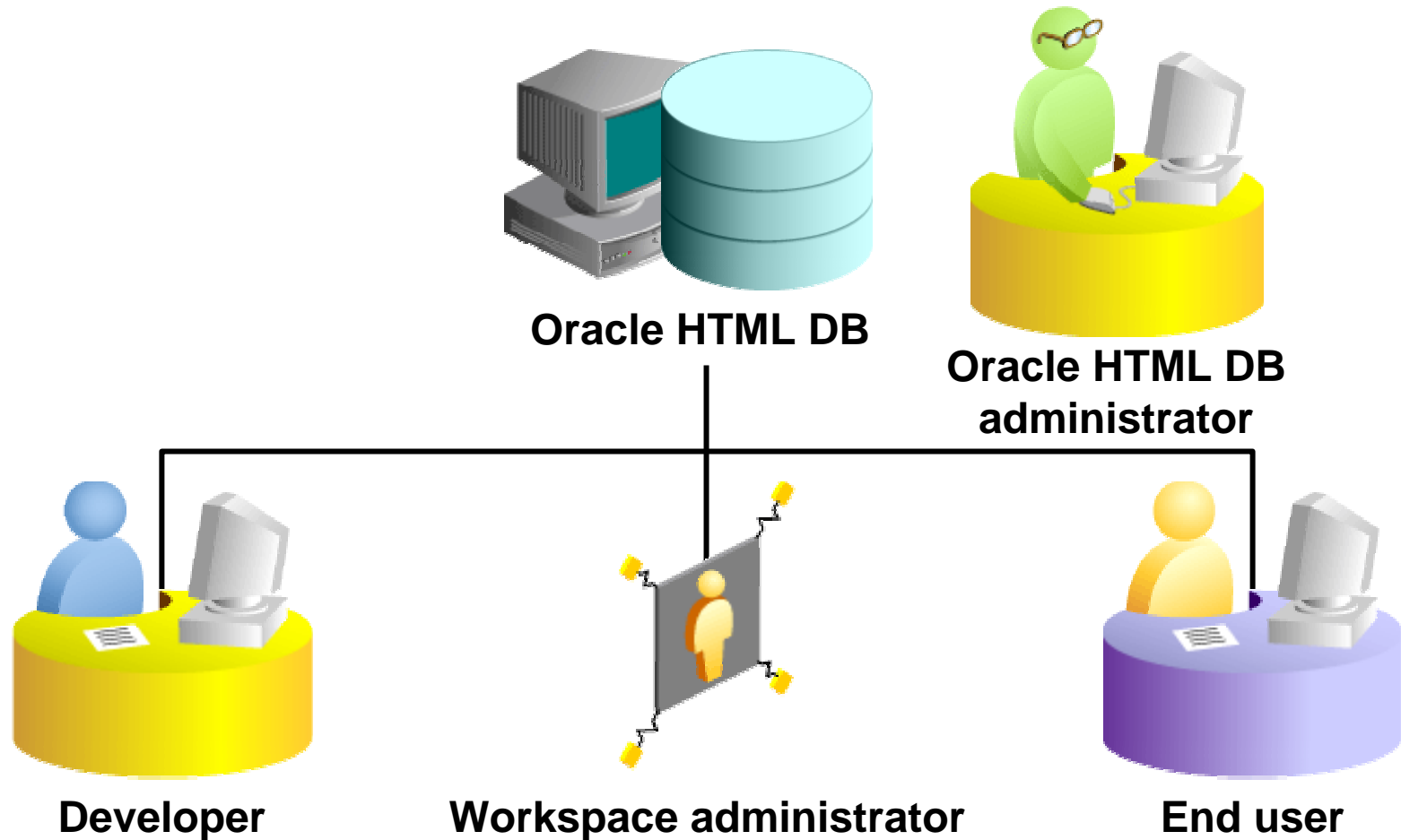
HTML DB Architecture



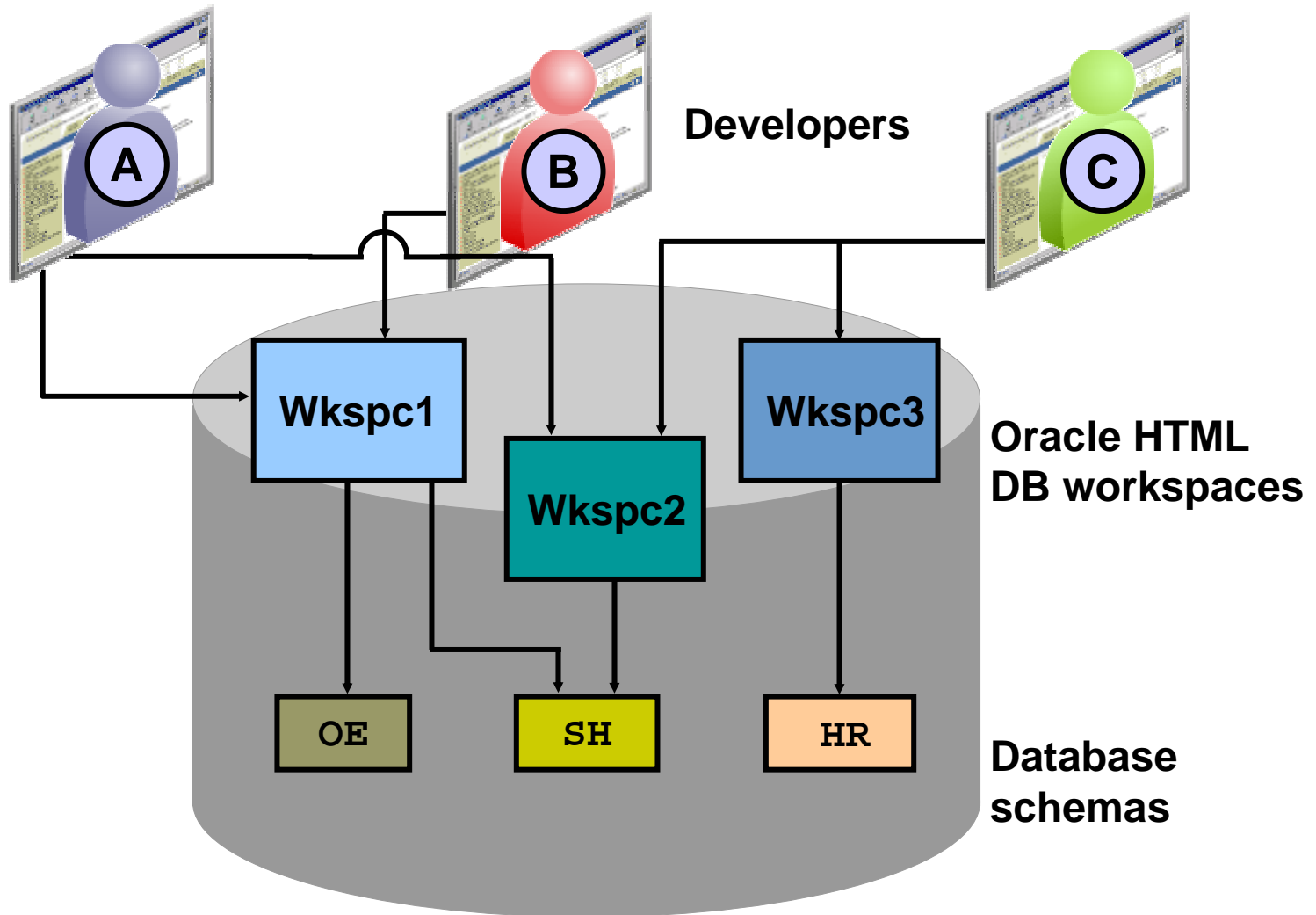
HTML DB Architecture



Defining Roles



Understanding Workspaces



Logging In to the Workspace (Developer)

ORACLE
DATABASE

10^g HTML DB

Gain instant access to an integrated online application development suite. With HTML DB you can build robust dynamic Web applications and leverage the full power of the Oracle database all from your favorite browser.

Login

Workspace

Username

Password

Login

Language: en-us


The Developer Interface


ORACLE **10^g** HTML DB
DATABASE


User: ORATESTADMIN

Logout Help

Workspace ORATEST


Application Builder


SQL Workshop


Data Workshop

HTML DB
With HTML DB you can build database-centric HTML Web applications.

Workspace Administration


- [Change Password](#)
- [Manage Users](#)
- [Manage Workspace](#)
- [About HTML DB](#)
- [Review Demonstration Applications](#)

Workspace Schemas

- [HR](#)

Applications [Create Application >](#)

Find Rows

Application ▲	Name	Page Count	Updated	Updated By	Run
101	Sample Application v1.6	21	72 minutes ago	admin	




1-1

4 Tools-in-1

ORACLE **10^g** HTML DB
DATABASE

User: ORATESTADMIN

Workspace ORATEST



Application Builder SQL Workshop Data Workshop

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Development

4 Tools-in-1

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Workspace Schemas

- HR

Development

Administration

Data Workshop

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Data Workshop


SQL Workshop


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Application Builder


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Application Builder

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Applications

Create Application >

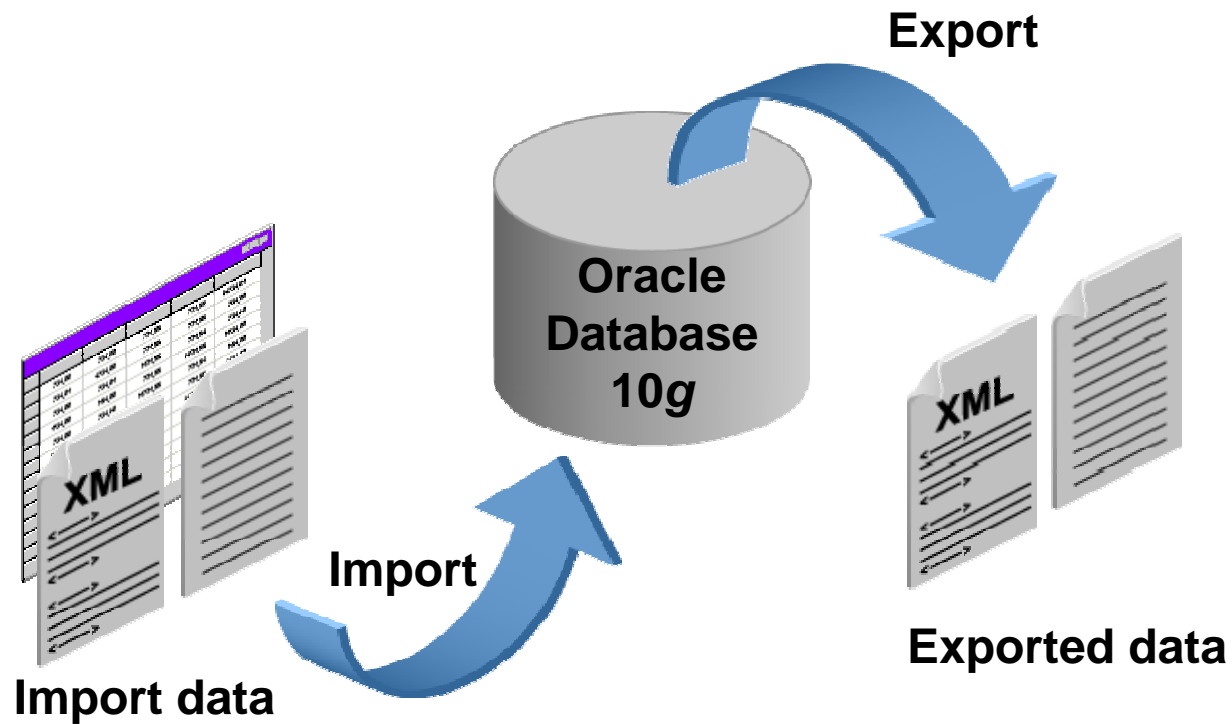
Find Rows 10 Find

Application ▲	Name	Page Count	Updated	Updated By	Run
101	Sample Application v1.6	21	72 minutes ago	admin	

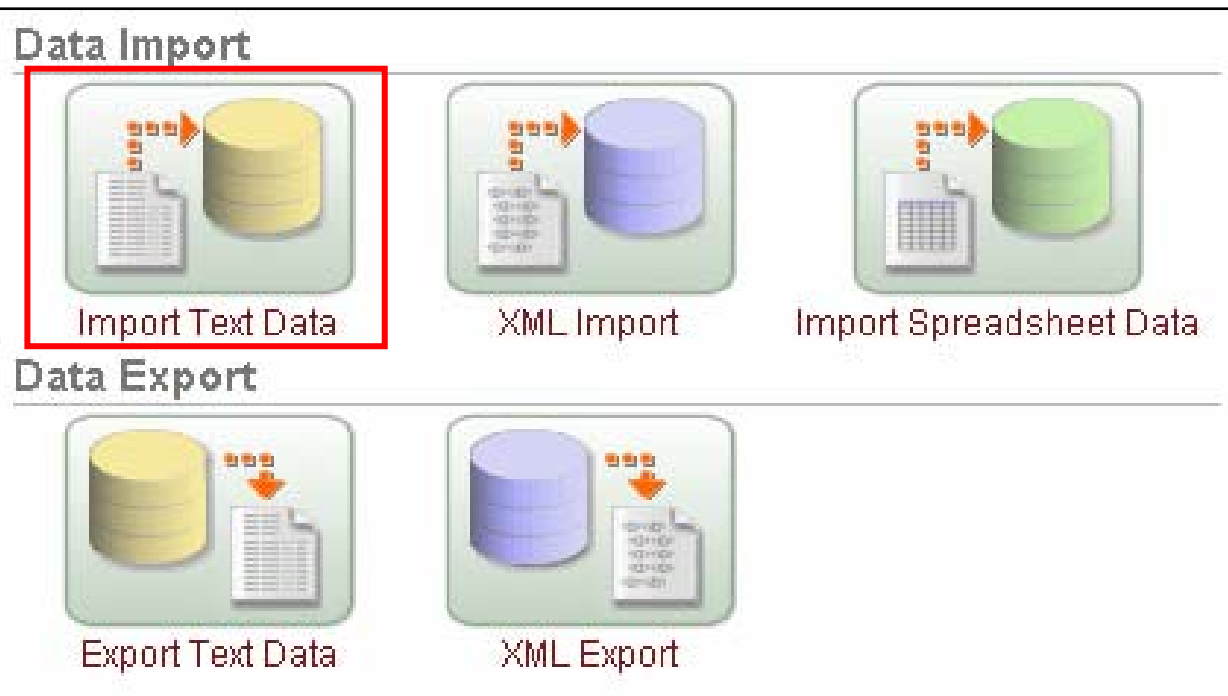
1-1

Data Workshop

Data Workshop



Importing Text Data

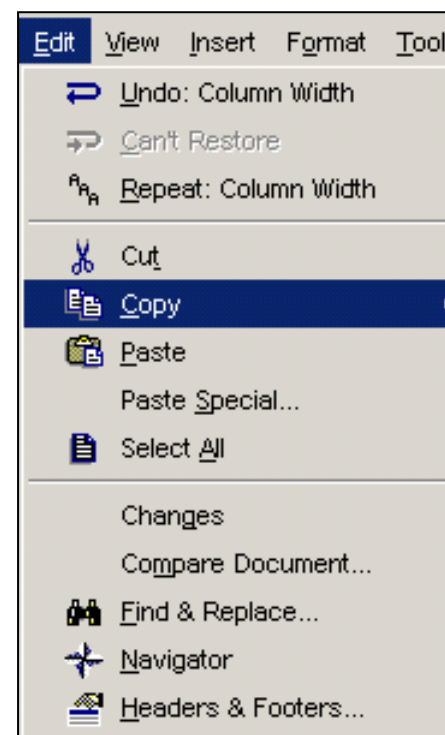


Importing Spreadsheet Data

countries.sxc - OpenOffice.org 1.1.0

File Edit View Insert Format Tools Data Window Help

	A	B	C
1	COUNTRY_CODE	COUNTRY_NAME	REGION_ID
2	AR	Argentina	2
3	AU	Australia	3
4	BE	Belgium	1
5	BR	Brazil	2
6	CA	Canada	2
7	CH	Switzerland	1
8	CN	China	3
9	DE	Germany	1
10	DK	Denmark	1
11	EG	Egypt	4
12	FR	France	1
13	HK	HongKong	3
14	IL	Israel	4
15	IN	India	3
16	IT	Italy	1
17	JP	Japan	3
18	KW	Kuwait	4
19	MX	Mexico	2





SQL Workshop


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Applications [Create Application >](#)

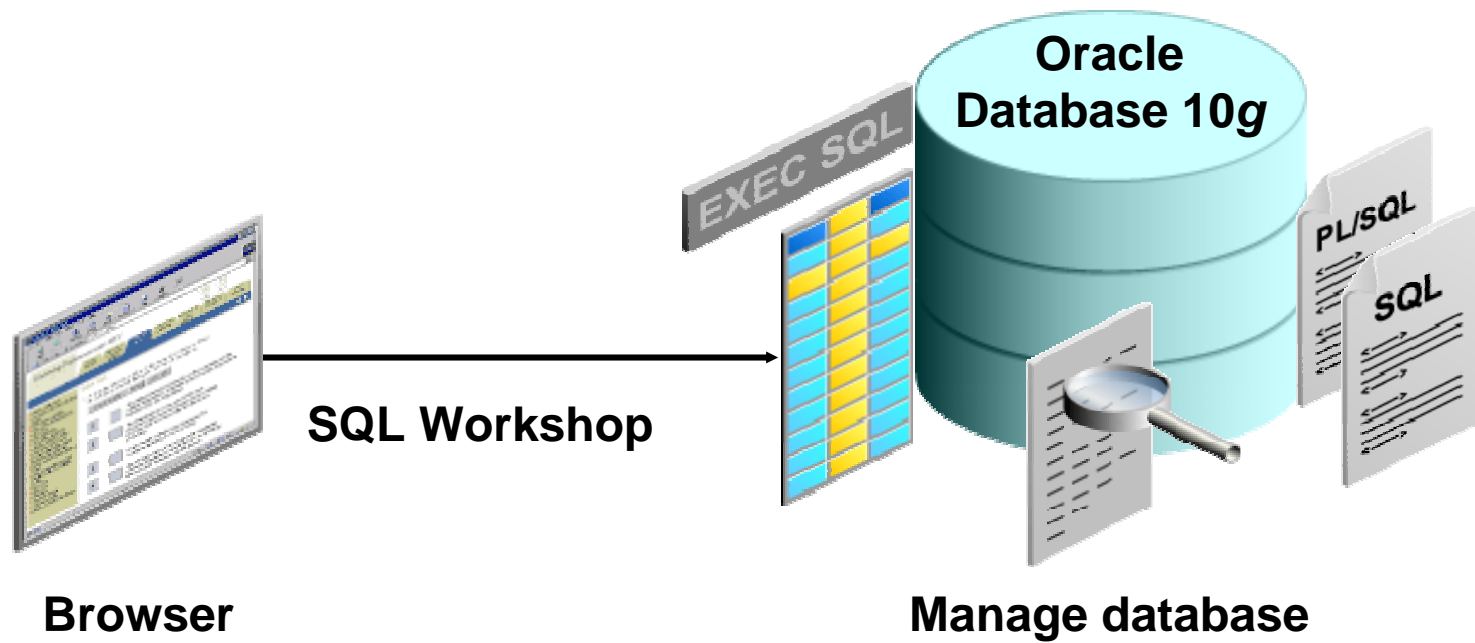
Find Rows [Find](#)

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1-1

SQL Workshop

SQL Workshop



Navigating Through SQL Workshop

ORACLE **10^g HTML DB**
DATABASE


User: TONE


Application BuilderSQL WorkshopData Workshop


Logout Help

Workspace TONE > SQL Workshop


SQL Workshop



SQL Command Processor



User Interface Defaults



Create Object


Database Browser



Tables



Indexes



Views



Synonyms



Sequences



Database Links



Packages



Procedures



Functions


Triggers



Java Sources



Java Classes



Types


XML Schema

SQL Scripts


Scripts


Script Control


Generate DDL

SQL Workshop

Use SQL Workshop to view and manage database objects from a Web browser.

Use **SQL Workshop** to access SQL Command Processor, User Interface Defaults, and Create Database Object wizards.

Use **Database Browser** to view existing database objects.

Use **SQL Scripts** to manage script files and control files as well as generate DDL (data definition language) statements.

Tasks

- Manage Recycle Bin
- View SQL History
- Manage SQL Archive
- Drop Database Object
- Explain Plan
- Query Data Dictionary

Navigating Through SQL Workshop

ORACLE[®] 10^g HTML DB
DATABASE

User: TONE

Application Builder SQL Workshop Data Workshop

Workspace TONE > SQL Workshop

SQL Workshop

SQL Command Processor User Interface Defaults Create Object

Database Browser

Tables Indexes Views Synonyms Sequences Database Links
Packages Procedures Functions Triggers Java Sources Java Classes
Types XML Schema

SQL Scripts

Scripts Script Control Generate DDL

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Breadcrumb menu

Navigating Through SQL Workshop

ORACLE 10^g HTML DB
DATABASE

User: TONE

Application Builder **SQL Workshop** Data Workshop

Workspace TONE > SQL Workshop

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SQL Command Processor User Interface Defaults Create Object

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- Query Data Dictionary

Breadcrumb menu

Task list

Navigating Through SQL Workshop

The screenshot shows the Oracle 10g HTML DB interface. At the top, it says "ORACLE 10g HTML DB DATABASE" and "User: TONE". There are tabs for "Application Builder", "SQL Workshop" (which is selected), and "Data Workshop". A breadcrumb menu at the top left shows "Workspace TONE > SQL Workshop". The main area is divided into several sections: "SQL Workshop" with icons for "SQL Command Processor", "User Interface Defaults", and "Create Object"; "Database Browser" with icons for "Tables", "Indexes", "Views", "Synonyms", "Sequences", "Database Links", "Packages", "Procedures", "Functions", "Triggers", "Java Sources", and "Java Classes"; "SQL Scripts" with icons for "Scripts", "Script Control", and "Generate DDL"; and a "Tasks" list on the right. A red line with arrows points from the "SQL Workshop" breadcrumb to the "SQL Workshop" section, and from the "Tasks" list to the "Task list" label. A red box highlights the "SQL Workshop" section, and another red box highlights the "Tasks" list.

ORACLE 10g HTML DB DATABASE

User: TONE

Application Builder SQL Workshop Data Workshop

Workspace TONE > SQL Workshop

SQL Workshop

SQL Command Processor User Interface Defaults Create Object

Database Browser

Tables Indexes Views Synonyms Sequences Database Links

Packages Procedures Functions Triggers Java Sources Java Classes

Types XML Schema

SQL Scripts

Scripts Script Control Generate DDL

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Tasks

- Manage Recycle Bin
- View SQL History
- Manage SQL Archive
- Drop Database Object
- Explain Plan
- Query Data Dictionary

Breadcrumb menu

Task list

Page-level help

SQL Command Processor



Schema

Max Rows:

Save >

Run SQL

SQL Statement (All statements are auto committed.)

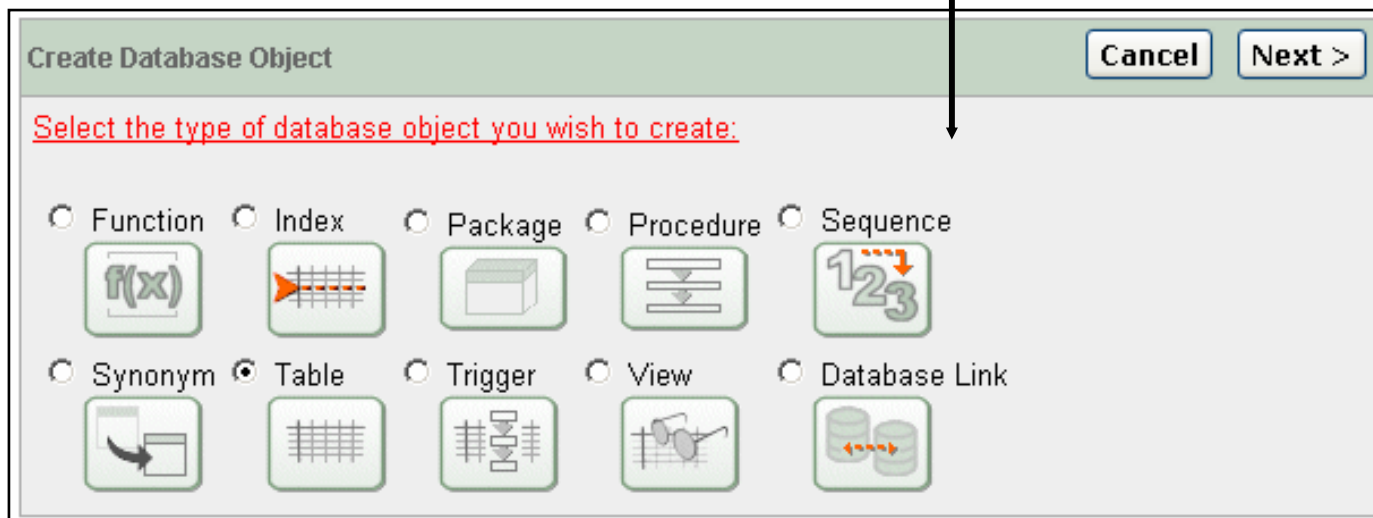
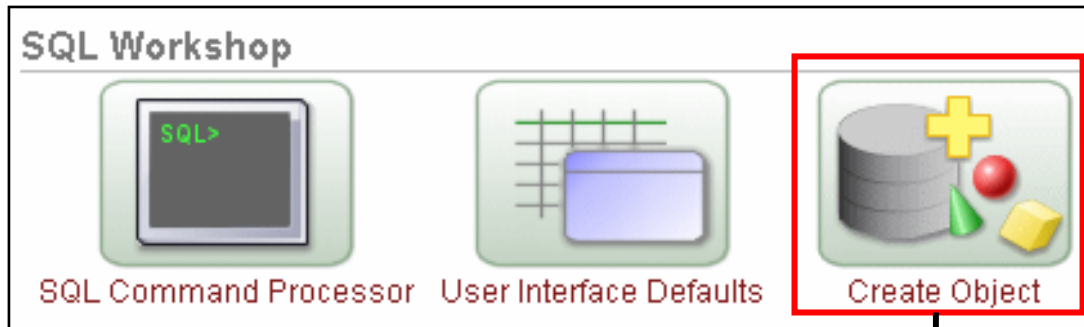
```
SELECT * FROM COUNTRIES
```

SQL Query Results

[Output to Excel](#)

COUNTRY_ID	COUNTRY_NAME	REGION_ID
AR	Argentina	2
AU	Australia	3
BE	Belgium	1
BR	Brazil	2

Creating DB Objects (gui)



Application Builder


ORACLE
DATABASE


10^g HTML DB


User: HTMLDB

Logout Help

Workspace HTMLDB


Application Builder





SQL Workshop


Data Workshop

Applications

Create Application >

Find Rows Find

Application ▲	Name	Page Count	Updated	Updated By	Run
100	Sample Application v1.6	21	2 days ago	admin	
103	HARDWARE TEST	11	43 minutes ago	htmldb	
104	Web Services Demonstration Application	10	10 minutes ago	htmldb	

13

HTML DB
With HTML DB you can build database-centric HTML Web applications.

Workspace Administration

- ◆ Change Password
- ◆ Manage Users
- ◆ Manage Workspace
- ◆ About HTML DB
- ◆ Review Demonstration Applications

Workspace Schemas

- ◆ HTMLDB

Language: en-us

1.6.0.00.79

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Application Builder

Viewing the Applications in the Workspace


ORACLE
DATABASE


10^g HTML DB


User: HTMLDB

Logout Help

Workspace HTMLDB





Application Builder


SQL Workshop


Data Workshop

Applications Create Application >

Find Rows

Application ▲	Name	Page Count	Updated	Updated By	Run
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104	Web Services Demonstration Application	10	10 minutes ago	htmldb	

13

HTML DB

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- About HTML DB
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Workspace Schemas

- HTMLDB

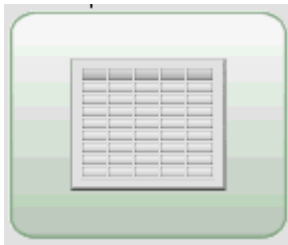
1.6.0.00.79

Language: en-us Copyright © 1999, 2004, Oracle. All rights reserved.

List of applications

Developing the User Interface

You can rapidly design the user interface for your application by using:



Reports



Forms



Charts



Wizards

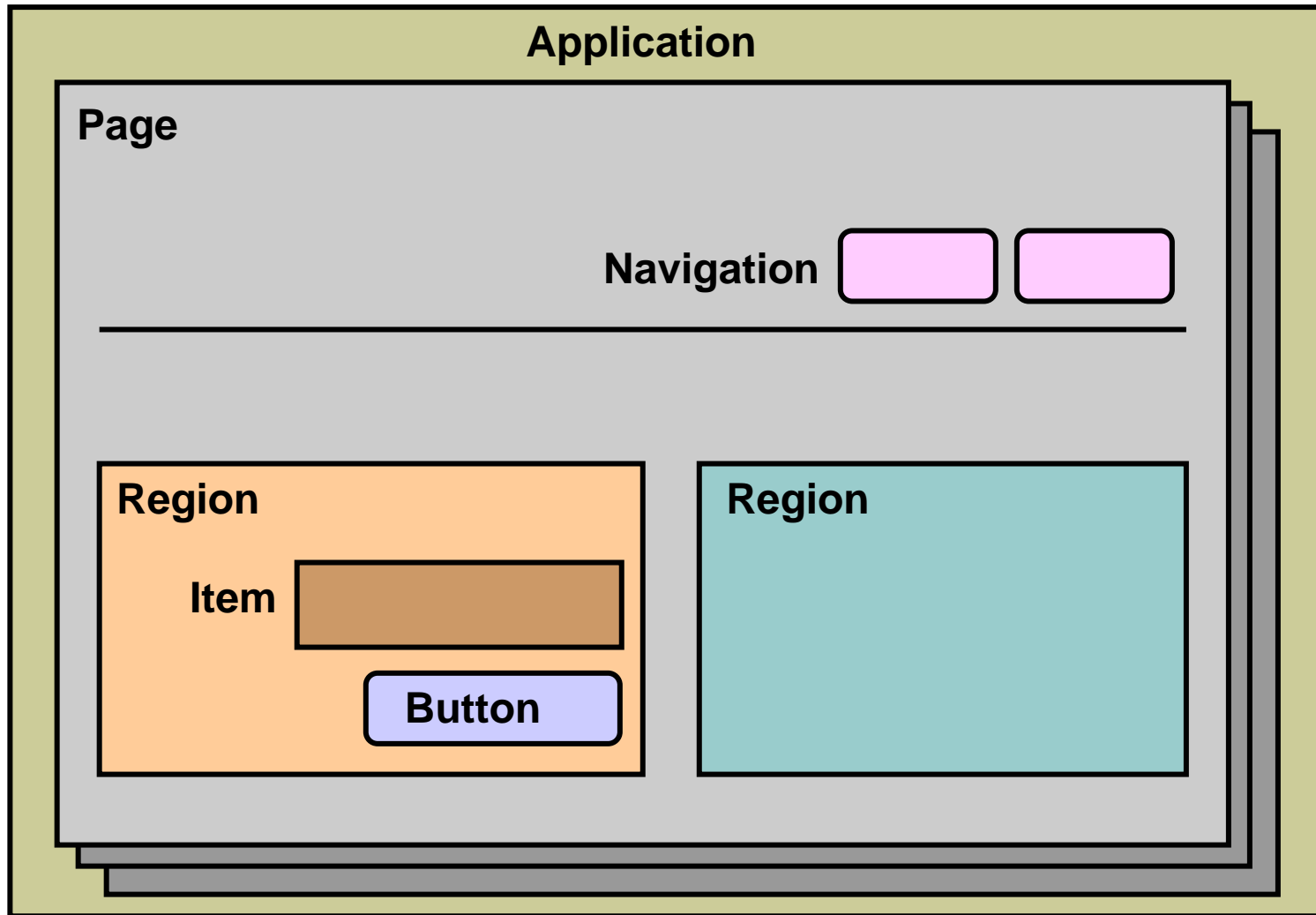


Calendars

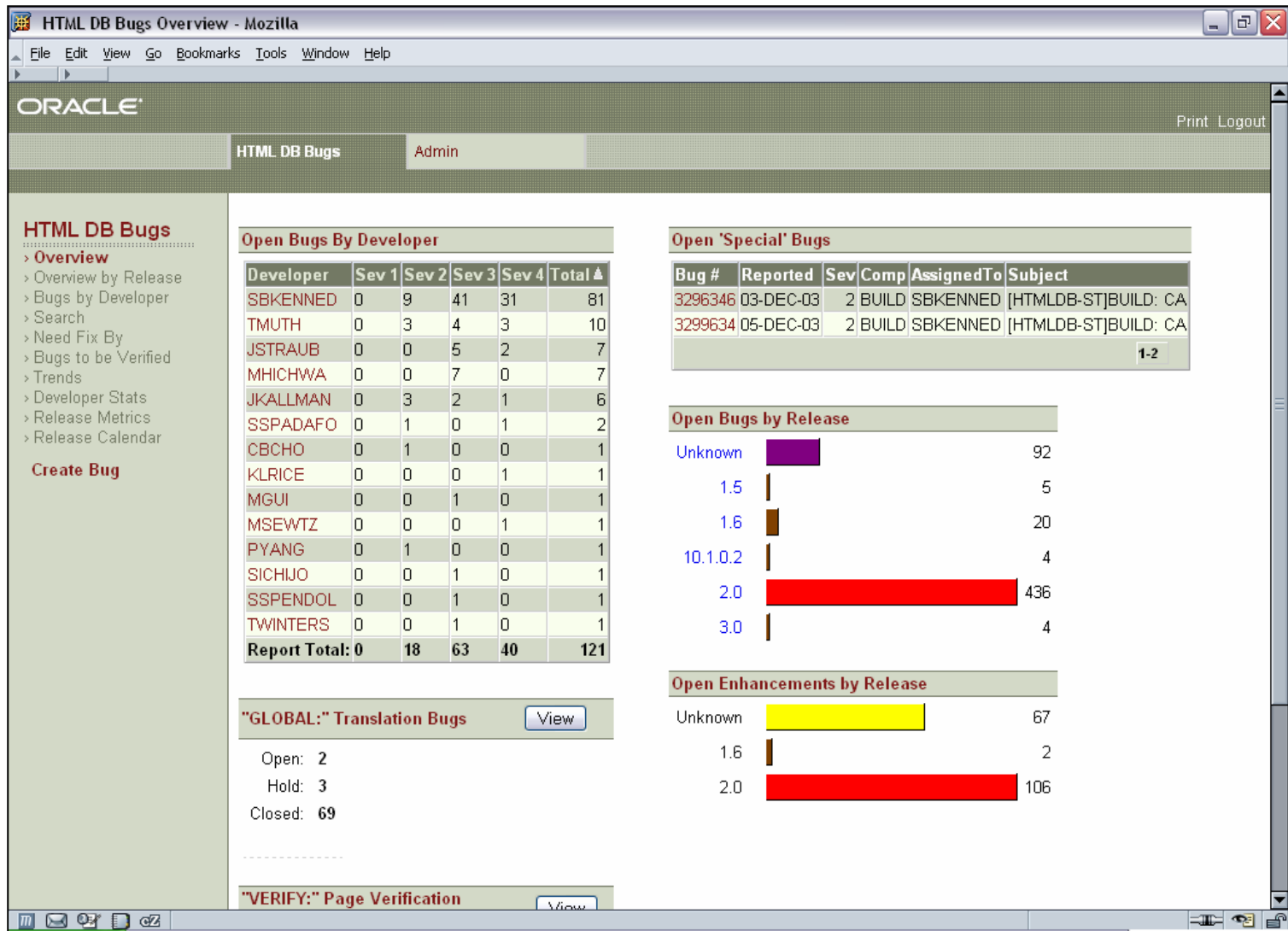


Trees

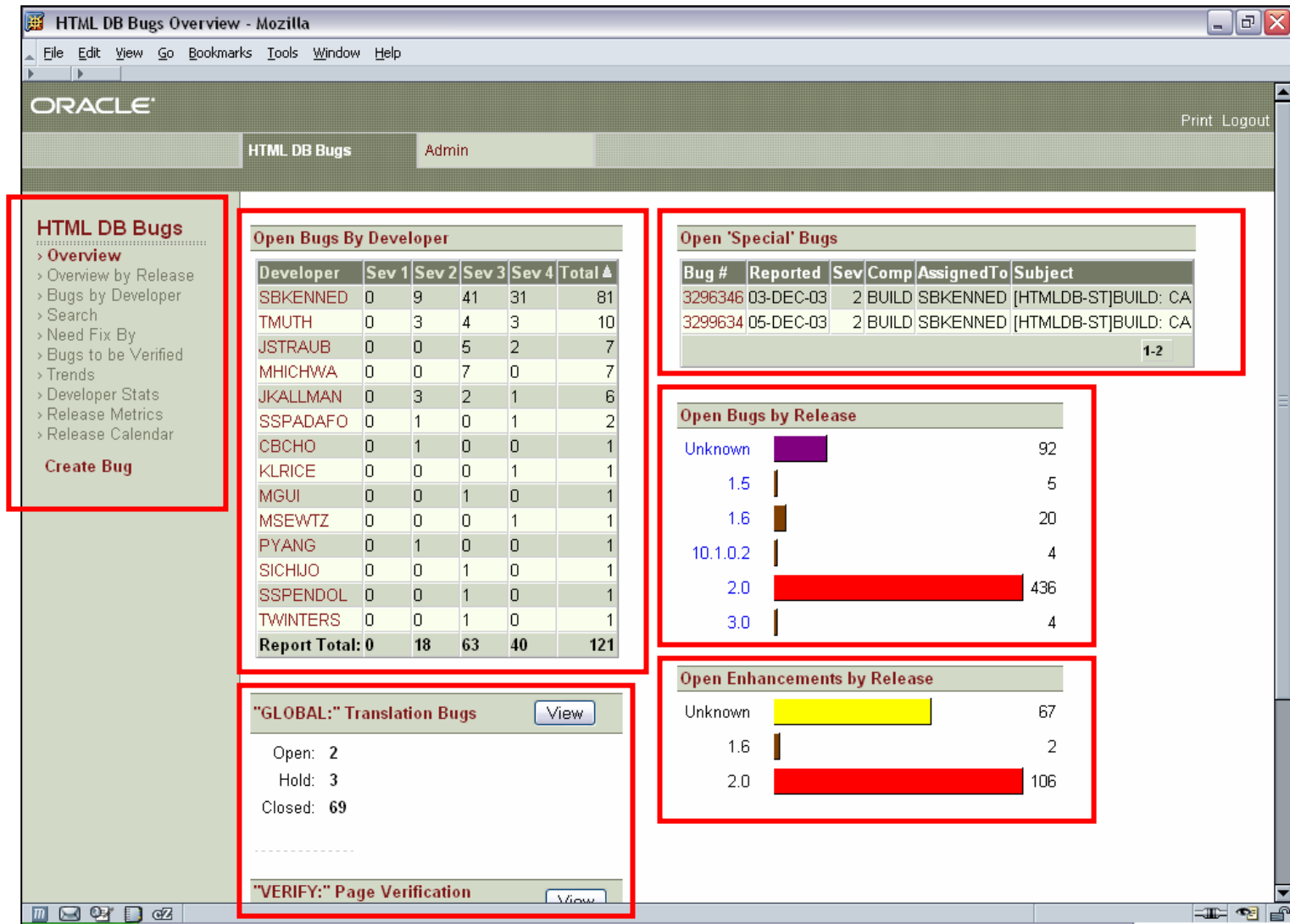
Application Builder Terminology



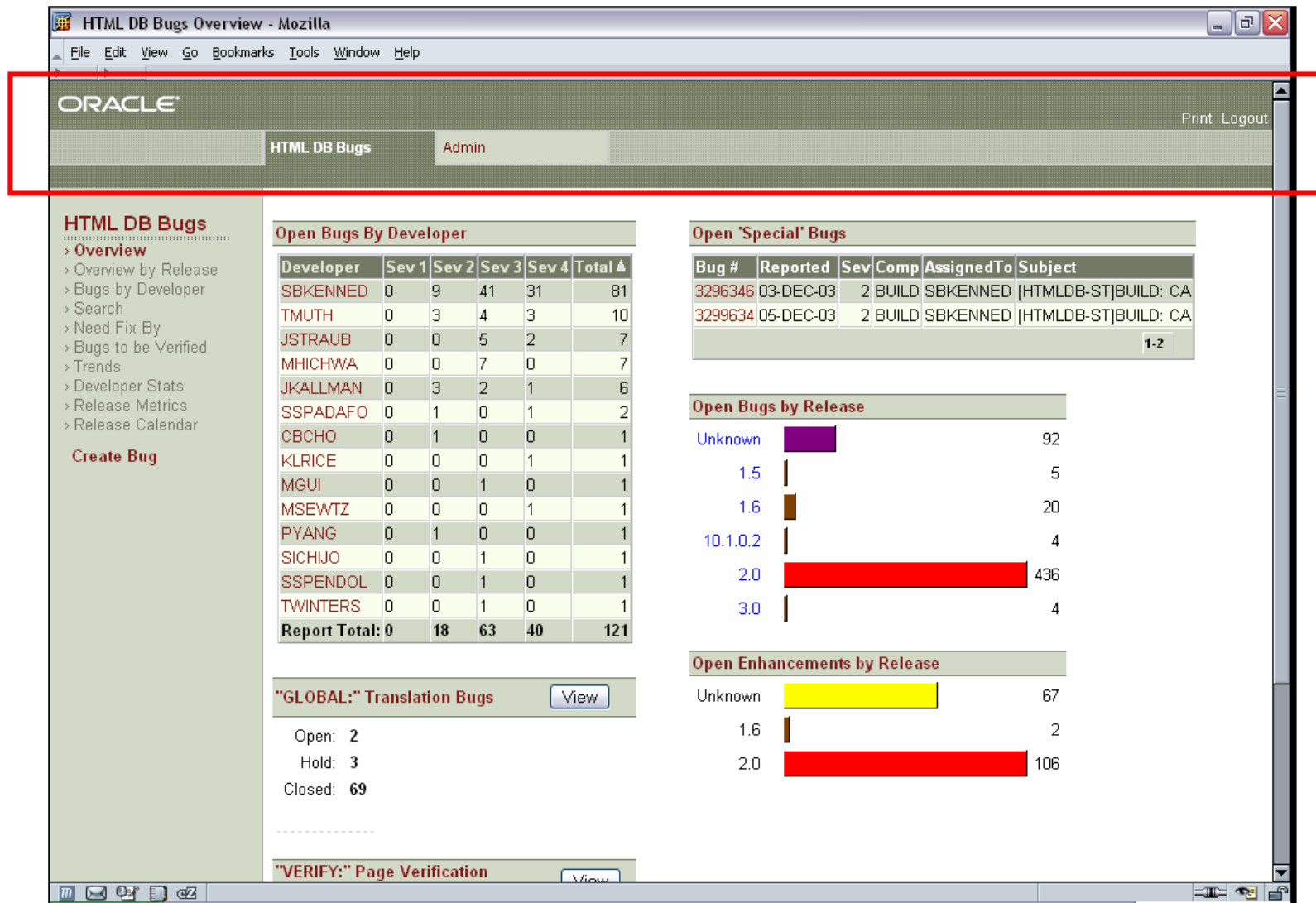
Business Intelligence Application (Sample 2)



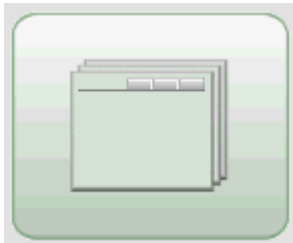
Business Intelligence Application (regions)



Business Intelligence Application (shared components)



Creating an Application



**From the
beginning**



**Based on an
existing application**



**Based on an
existing table**



**Demonstration
application**



**Based on
spreadsheet**



**From an application
export file**

Creating an Application from the Beginning

Steps



The "Create Application" dialog box is shown. It has a green header bar with the title "Create Application". The main area is light grey and contains the following fields and options:

- Name:** A text field containing "My Application".
- Alias:** A text field containing "104".
- Application:** A text field containing "104".
- Authentication:** Two radio buttons. The first is selected and labeled "HTML DB Authentication". The second is labeled "No Authentication".
- Default Parsing Schema:** A dropdown menu showing "HR".
- Pages:** A dropdown menu showing "2".

Name and authentication

Creating an Application from the Beginning

Steps



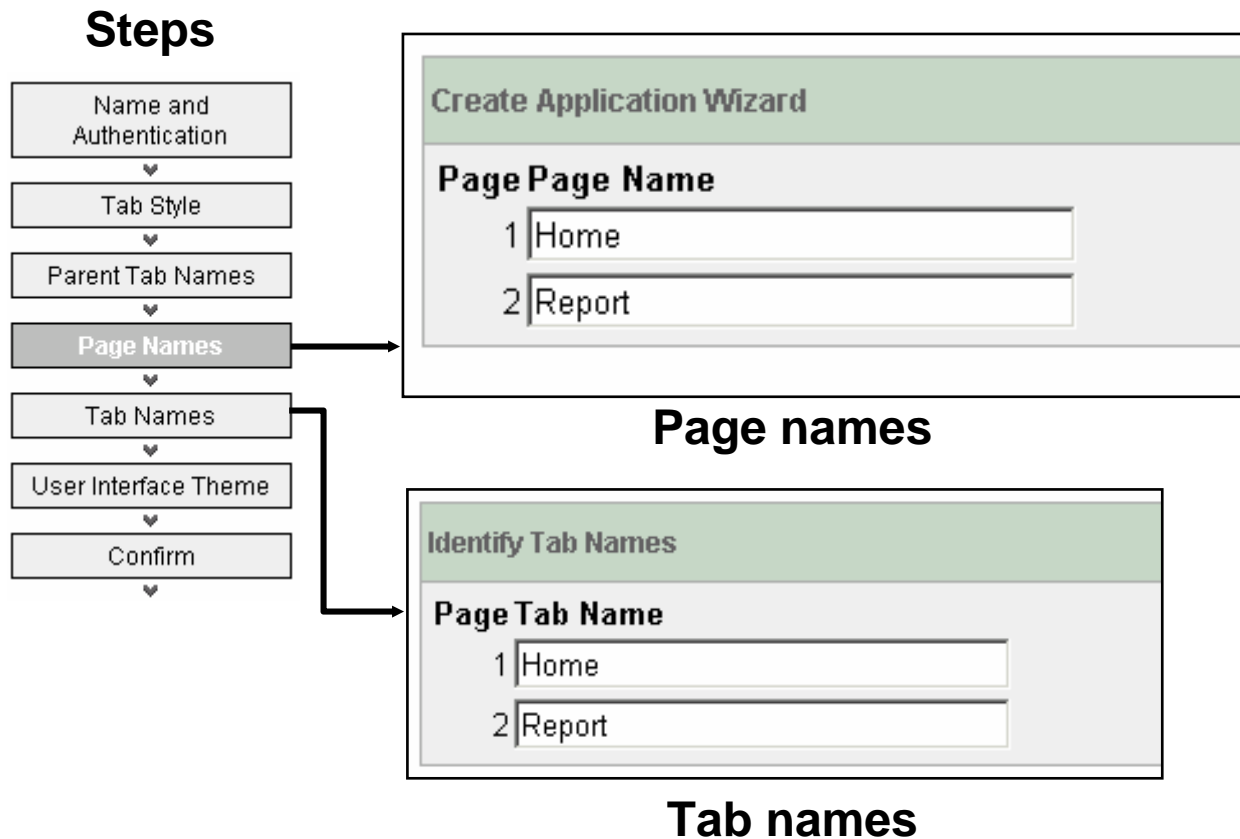
The 'Create Application Wizard' dialog box is shown. It has a title bar with 'Create Application Wizard' and a 'Cancel' button. The main area contains the following information:

- Application: **104**
- Name: **My Application**
- Tabs:
 - ☐ No Tabs
 - ☒ One Level of Tabs
 - ☐ Two Levels of Tabs

Below the radio buttons are three preview icons showing different tab styles: a single tab, a single tab with a red header, and two tabs with red headers.

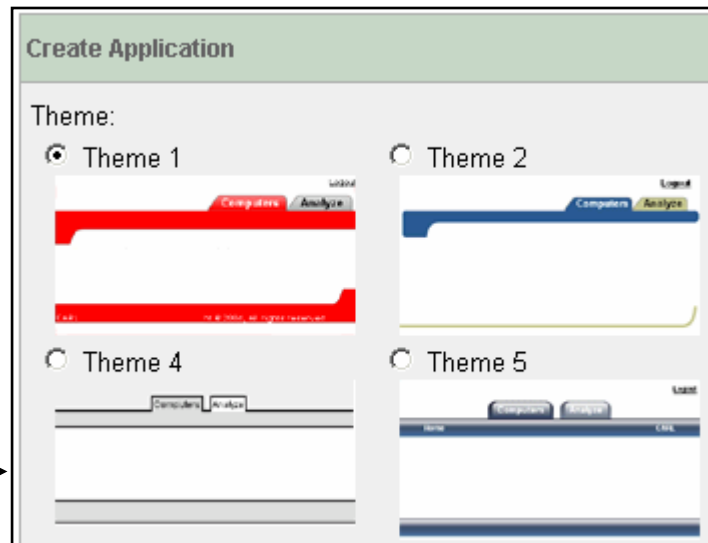
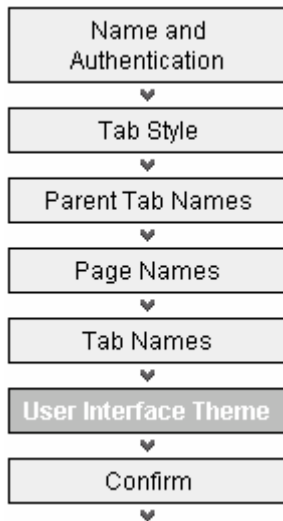
Tab style

Creating an Application from the Beginning



Creating an Application from the Beginning

Steps



Select theme

Creating an Application from the Beginning

Steps



Create Application Confirmation Cancel

You have requested to create an application with the following selections.

Application	104
Name	My Application
Alias	104
Parsing Schema	HR
Default Language	en-us
Authentication	(HTML DB Authentication)
Pages	2
Tabs	One Level of Tabs
UI Theme	1

Confirm selections

Creating an Application Based on a Spreadsheet

	A	B	C	D	E
1	serial#	cpu type	cpu speed	purchase date	brand
2	0C8765T	Pentium I	200	09-Oct-1998	Dell
3	1U09CM2423	Pentium II	667	01-Jun-1999	Dell
4	0KBU4	Pentium III	1000	12-May-2001	Gate
5	51214246AB	Pentium III	450	14-Jun-2001	Tosh
6	HQMHC12	Pentium IV	1700	15-Jun-2002	Dell
7	W112FGHZ456	Pentium III	800	12-Jan-2001	Com
8	2DLP1	Celeron	366	01-Apr-1999	Dell
9	6ZQ11	Pentium I	200	24-Oct-1996	Dell
10	59785246GH	Pentium III	650	20-Mar-2000	Tosh
11	12375936YT	Pentium I	166	01-Mar-1997	Tosh
12	LTS5133	Pentium I	100	01-Jan-1996	Digit
13	A492CSLZE265	Pentium III	750	23-Jun-1999	Com

Steps

Load Method



Data



Table Properties



User Interface Defaults



Summary Page



Application Options












User Interface Theme



Confirm



Hardware				
Search <input type="text"/>		<input type="button" value="GO"/>		
	Serial #	Cpu Type	Cpu Speed	Purchase Date
	0C8765T	Pentium I	200	09-OCT-98
	0KBU4	Pentium III	1000	12-MAY-01
	12375936YT	Pentium I	166	01-MAR-97
	1U09CM2423	Pentium II	667	01-JUN-99
	2DLP1	Celeron	366	01-APR-99
	3J17JZL1345	Pentium III	850	17-AUG-01
	51214246AB	Pentium III	450	14-JUN-01
	54FFFVDWS	PowerPC G3	800	24-OCT-96
	54UFLDCE077	Pentium III	450	14-JUN-99

Creating a New Region

Page DefinitionEvent ViewObject ReferencesExportHistory

Page1Go<>DeleteCopyEdit AttributesCreate >

Name: Report PageLast Updated: TONE, 3 hours ago

Page Rendering

Regions

Display Point: Page Template Body (3)

- Q: Hardware (20)

Display Point: Region Position 01

- M: BreadCrumbs (1)

Buttons

Region: Hardware

- 10: RESET
- 20: CREATE (Redirect)
- Item: P1_GO

Items

Region: Hardware

- 10: P1_CHART_FILTER Hidden
- 10: P1_VALUE Hidden
- 20: P1_REPORT_SEARCH Text Field (always submits page when Enter pressed)
- 30: P1_GO button

Computations

Page Processing

Computations

Validations

Processes

After Submit

- 1: clear cache
- 1: reset pagination

Branches

After Processing

- 10: Go To Page 1 (Unconditional)

Shared Components

Tabs

Tab Set: TS1

- Hardware

Lists of Values

Menus

- HARDWARE Menu

Lists

Theme

- 1. Red

Templates

- Page: One Level Tabs..2
- Region: Reports Region
- Region: Breadcrumb Region
- Label: Optional with help
- Button: Button

ORACLE

Creating Interactive Items

Page Definition Event View Object References Export History

Page Go < > Delete Copy Edit Attributes Create >

Name: **Report Page** Last Updated: **TONE, 3 hours ago**

Page Rendering	Page Processing	Shared Components
<div>Regions Display Point: Page Template Body (3)<ul style="list-style-type: none">Q: Hardware (20)Display Point: Region Position 01<ul style="list-style-type: none">M: BreadCrumbs (1)</div>	<div>Computations Validations Processes After Submit<ul style="list-style-type: none">1: clear cache1: reset paginationBranches After Processing<ul style="list-style-type: none">10: Go To Page 1 (Unconditional)</div>	<div>Tabs Tab Set: TS1<ul style="list-style-type: none">HardwareLists of Values Menus<ul style="list-style-type: none">HARDWARE MenuLists Theme<ul style="list-style-type: none">1. RedTemplates<ul style="list-style-type: none">Page: One Level Tabs..2Region: Reports RegionRegion: Breadcrumb RegionLabel: Optional with helpButton: Button</div>
<div>Buttons Region: Hardware<ul style="list-style-type: none">10: RESET20: CREATE (Redirect)Item: P1_GOItems Region: Hardware<ul style="list-style-type: none">10: P1_CHART_FILTER Hidden10: P1_VALUE Hidden20: P1_REPORT_SEARCH Text Field (always submits page when Enter pressed)30: P1_GO button</div>		
Computations		

Input Items (form)

Diagram illustrating input items for an employee form. The form contains the following fields:














- Employee number: Text field
- Employee name: Text field
- Job: Select list (dropdown menu)
- Manager: Pop-up Key LOV (lookup)
- Hiredate: Date Picker
- Salary: Text field
- Department number: Select list (dropdown menu)

Diagram illustrating input items for a product form. The form contains the following fields:



- * Product Name: Text field
- Product Description: Text area
- * Category: Select list (dropdown menu)
- Product Available?: Radio group (radio buttons for No and Yes)
- List Price: Text field

Creating a Report Linked to a Form

Report

Edit	First Name	Last Name	Email	Phone Number	Hire Date	Job Id	Salary
	Steven	King	SKING	515.123.4567	17-JUN-87	AD_PRES	24000
	Neeraj	...	...	...	...	...	17000
	Lex	...	...	...	...	...	17000
	Alex	...	...	...	...	...	9000
	Bruce	...	...	...	...	...	6000
	Dave	...	...	...	...	...	4800
	Val	...	...	...	...	...	4800
	Dia	...	...	...	...	...	4200
	Nat	...	...	...	...	...	12000
	Dan	...	...	...	...	...	9000
	John	...	...	...	...	...	8200
	Ism	...	...	...	...	...	7700
	Jose	...	...	...	...	...	7800

Edit Details

First Name

Steven

* Last Name

King

* Email


SKING

Phone Number

515.123.4567

* Hire Date

06/17/1987



* Job Id

AD_PRES

Salary

24000

Form

Master Detail Form

Steps

Master Table
▼
Detail Table
▼
Primary Key Source
▼
Master Options
▼
Layout
▼
Page Attributes
▼
Tab
▼
Confirm
▼

Order #2

Cancel **Delete Order** **Save Changes**

Customer Info William Hartsfield
6000 North Terminal Parkway
Atlanta, GA 30320

Order Date Monday, 13 December, 2004

Order Total \$599.00

Sales Rep DEMO ▼

0 of 0

Items for Order #2

Delete Checked Items **Save Changes**

<input type="checkbox"/>	Product Name	Quantity	Unit Price	Extended Price
<input type="checkbox"/>	MP3 Player [\$199] ▼	1	\$199.00	\$199.00
<input type="checkbox"/>	Classic Projector [\$50] ▼	2	\$50.00	\$100.00
<input type="checkbox"/>	Stereo Headphones [\$150] ▼	1	\$150.00	\$150.00
<input type="checkbox"/>	Stereo Headphones [\$150] ▼	1	\$150.00	\$150.00
				\$599.00

1 - 4

Add Item to Order

Building & Testing the application (WYSIWYG)

HTML DB Bugs Overview - Mozilla

File Edit View Go Bookmarks Tools Window Help

ORACLE

HTML DB Bugs Admin Print Logout

HTML DB Bugs

- Overview
- Overview by Release
- Bugs by Developer
- Search
- Need Fix By
- Bugs to be Verified
- Trends
- Developer Stats
- Release Metrics
- Release Calendar

Create Bug

Open Bugs By Developer

Developer	Sev 1	Sev 2	Sev 3	Sev 4	Total
SBKENNED	0	9	41	31	81
TMUTH	0	3	4	3	10
JSTRAUB	0	0	5	2	7
MHICHWA	0	0	7	0	7
JKALLMAN	0	3	2	1	6
SSPADAFO	0	1	0	1	2
CBCHO	0	1	0	0	1
KLRICE	0	0	0	1	1
MGUI	0	0	1	0	1
MSEWTZ	0	0	0	1	1
PYANG	0	1	0	0	1
SICHUO	0	0	1	0	1
SSPENDOL	0	0	1	0	1
TWINTERS	0	0	1	0	1
Report Total:	0	18	63	40	121

"GLOBAL:" Translation Bugs View

Open: 2
Hold: 3
Closed: 69

Open 'Special' Bugs

Bug #	Reported	Sev	Comp	Assigned To	Subject
3296346	03-DEC-03	2	BUILD	SBKENNED	[HTMLDB-ST]BUILD: CA
3299634	05-DEC-03	2	BUILD	SBKENNED	[HTMLDB-ST]BUILD: CA

1-2

Open Bugs by Release

Release	Count
Unknown	92
1.5	5
1.6	20
10.1.0.2	4
2.0	436
3.0	4

Open Enhancements by Release

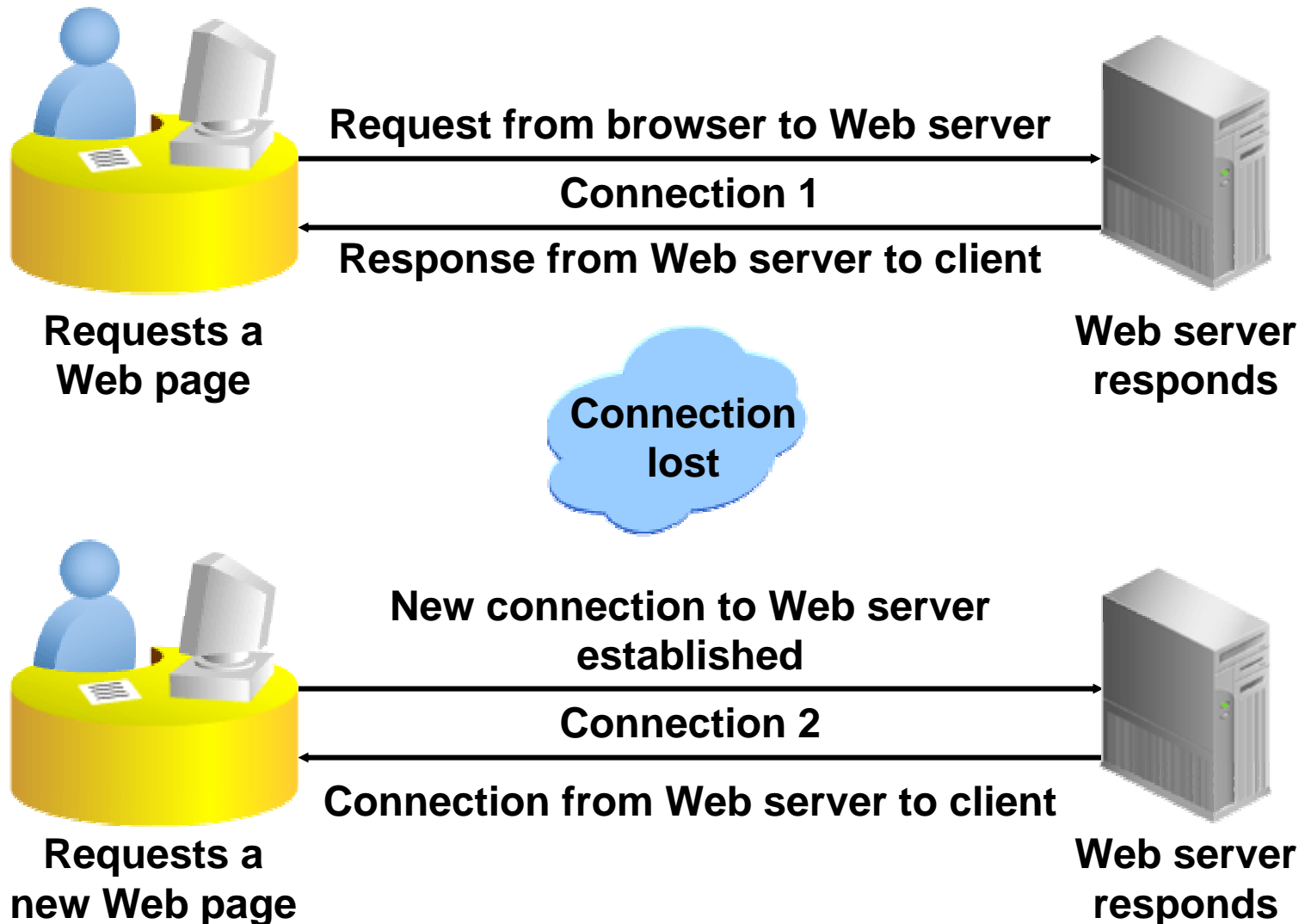
Release	Count
Unknown	67
1.6	2
2.0	106

"VERIFY:" Page Verification View

Developer Bar

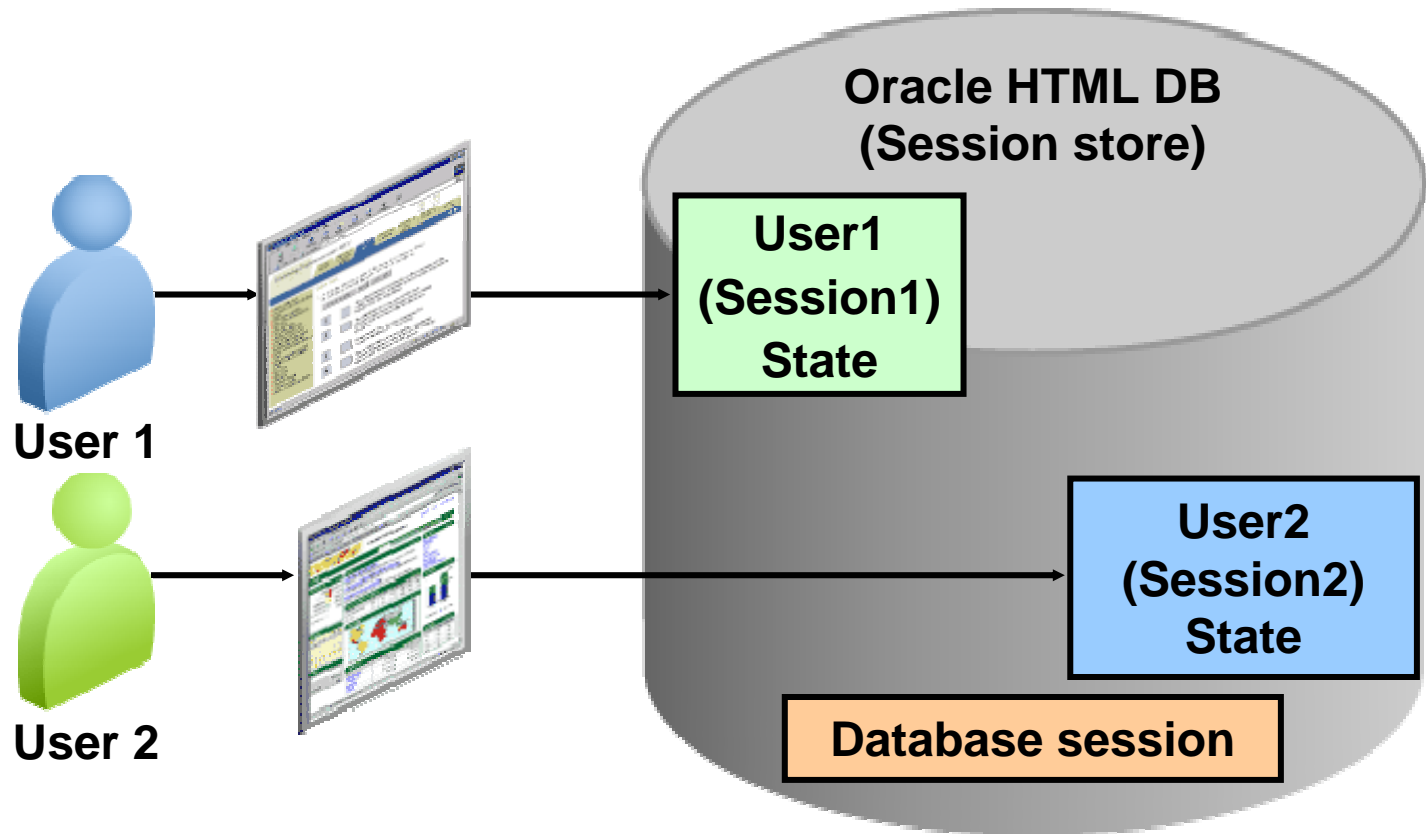
Edit Application Edit Page 2 New Session Debug Show Edit Links

How does it know?



How Does Oracle HTML DB Implement Session State?

Oracle HTML DB maintains session state implicitly.



Understanding Oracle HTML DB URL Syntax

Syntax:

<http://<servername>:<port>/pls/DAD/f?p=App:Page: Session>

Example:

<http://localhost:7778/pls/htmldb/f?p=100:5:1366709808508514000>

Viewing Session State

[Edit Application](#) | [Edit Page 1](#) | [New](#) | **[Session](#)** | [Debug](#) | [Show Edit Links](#)

Application Page Session

Application Environment
Session **1366709808508514**
User **TEACH**
Security Group ID **4108617597450068**
Browser Language **en-us**

Application	Page	Item Name	Display	State	Status
158	3	P3_ID	Hidden		I
158	3	P3_DEPARTMENTNUMBER	Text	1	I
158	3	P3_DEPARTMENTNAME	Text	sales	I
158	3	P3_LOCATION	Text	ny	I

Page Items

Application	Page	Item Name	Display	State	Status
158	3	P3_ID	Hidden		
158	3	P3_DEPARTMENTNUMBER	Text		
158	3	P3_DEPARTMENTNAME	Text		
158	3	P3_LOCATION	Text		

Session state

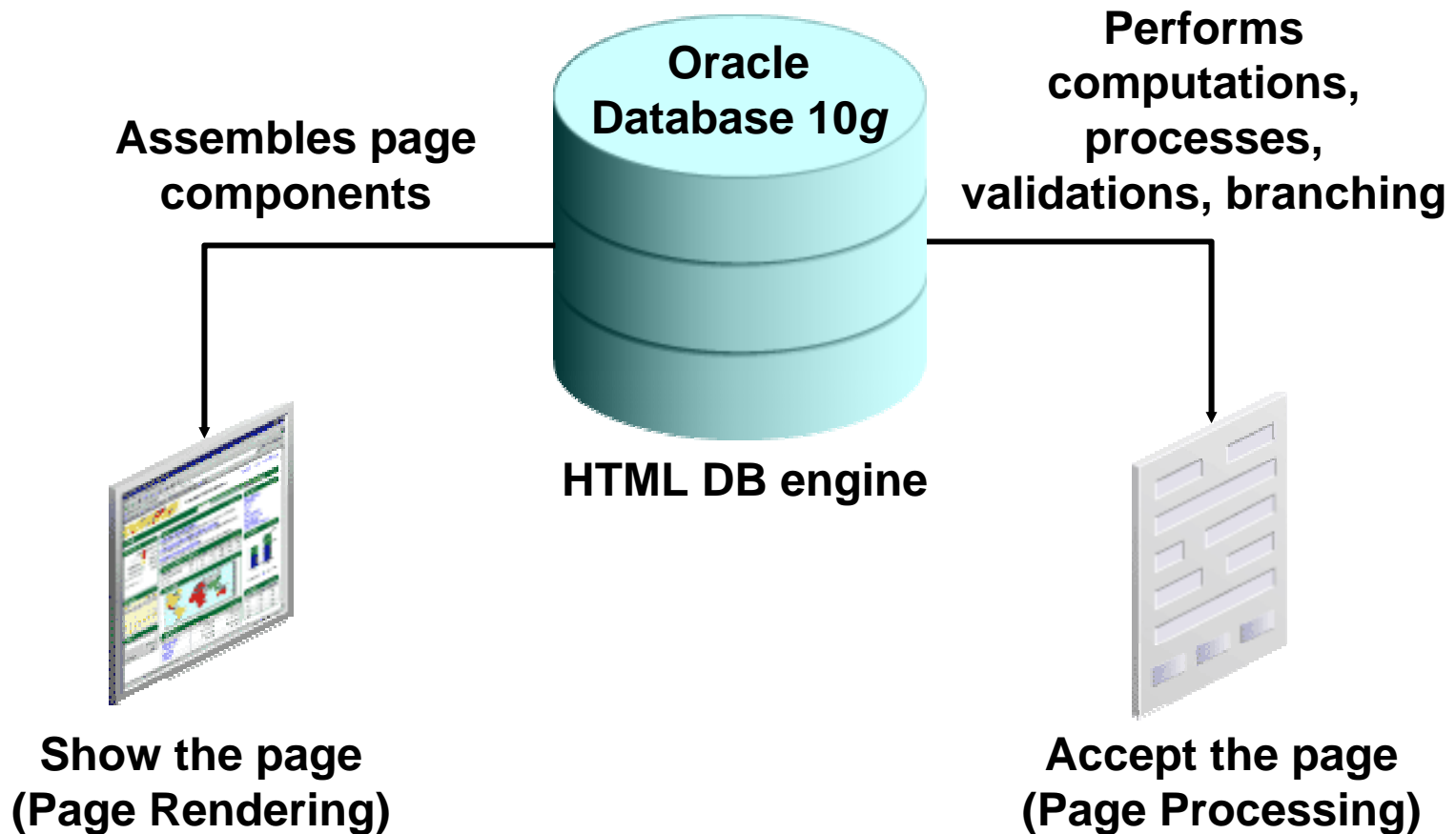
Initial state

Referencing Item Values and Getting Session State

You can reference session state by using:

Environment	Syntax	Example
SQL	Use bind variable syntax.	:MY_ITEM
PL/SQL	Use bind variable syntax or v function.	:MY_ITEM v('MY_ITEM') nv('MY_ITEM')
Static text	Use &item name followed by period (.).	&MY_ITEM.

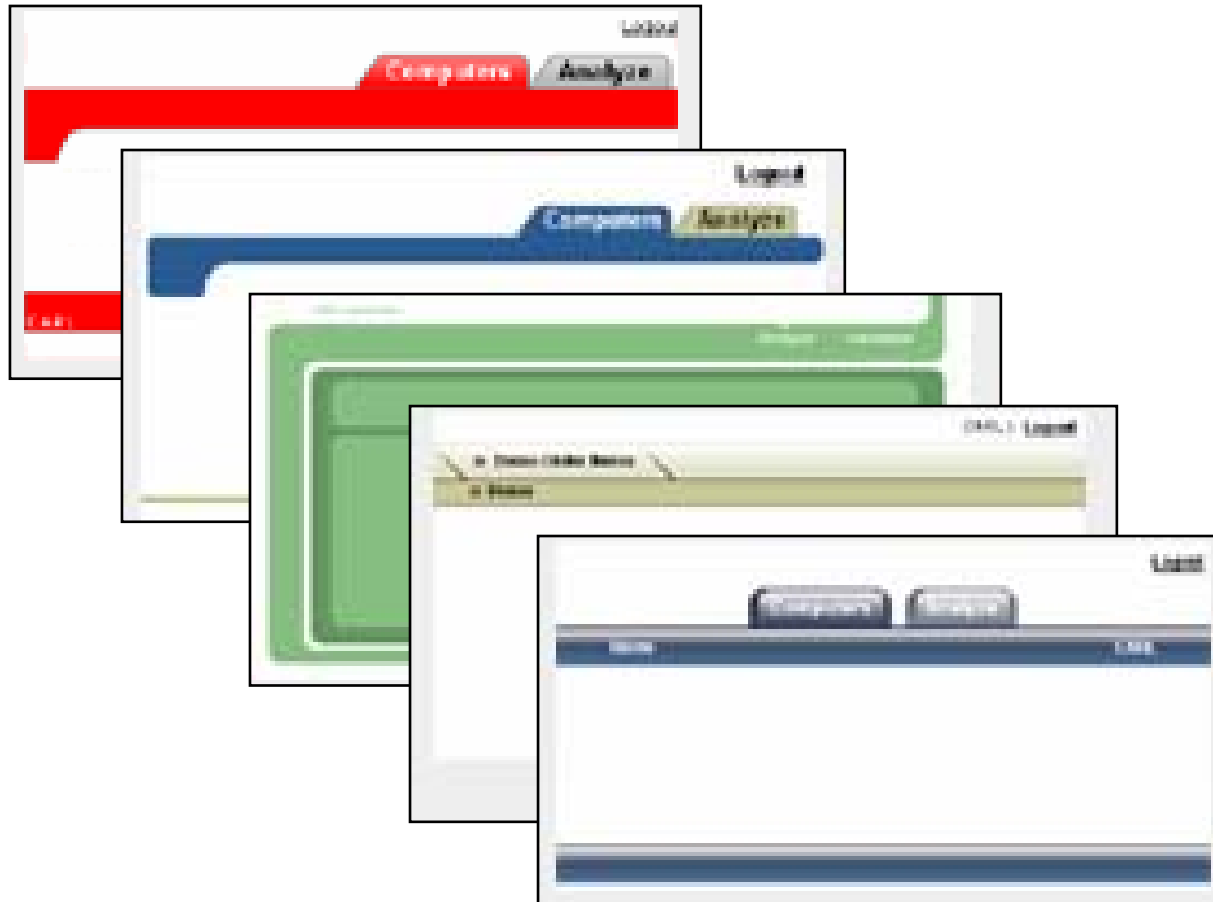
Page Processing and Page Rendering



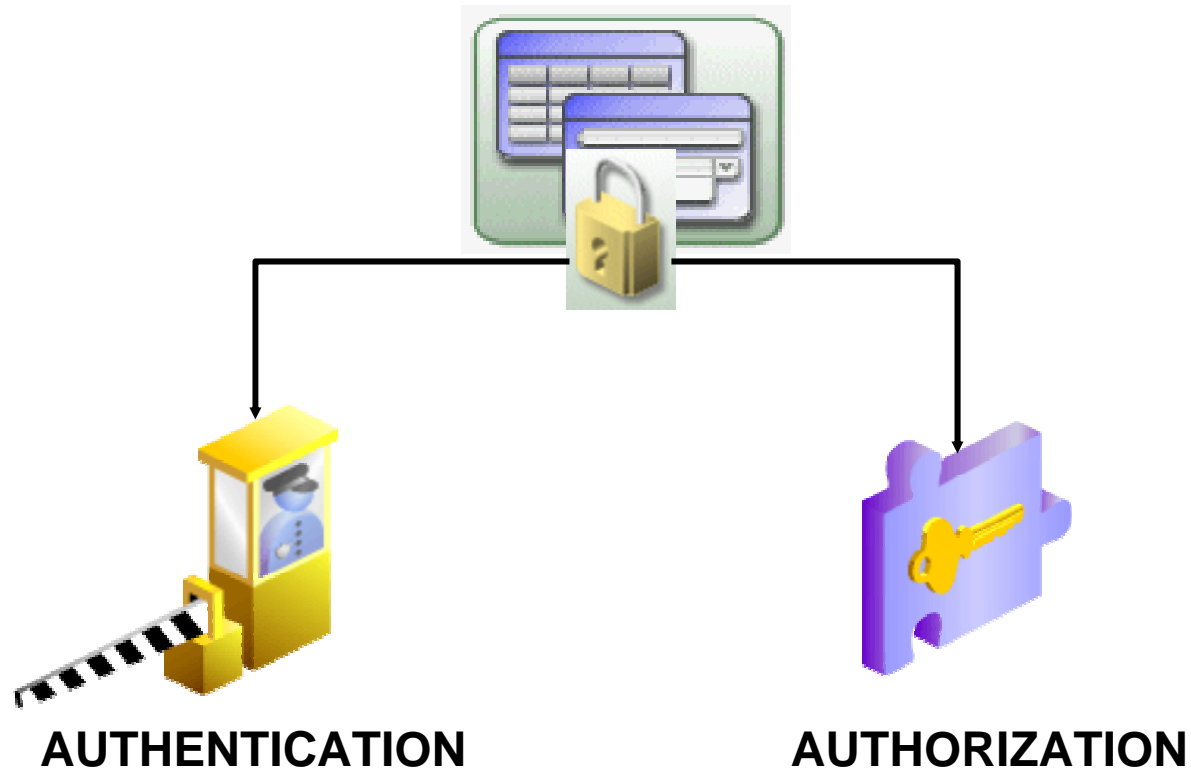
Overview of Templates

- **Templates define how the pages or the page components of an application are displayed.**
- **You can use the following templates:**
 - **Page**
 - **Region**
 - **Report**
 - **List**
 - **Label**
 - **Menu**
 - **Button**

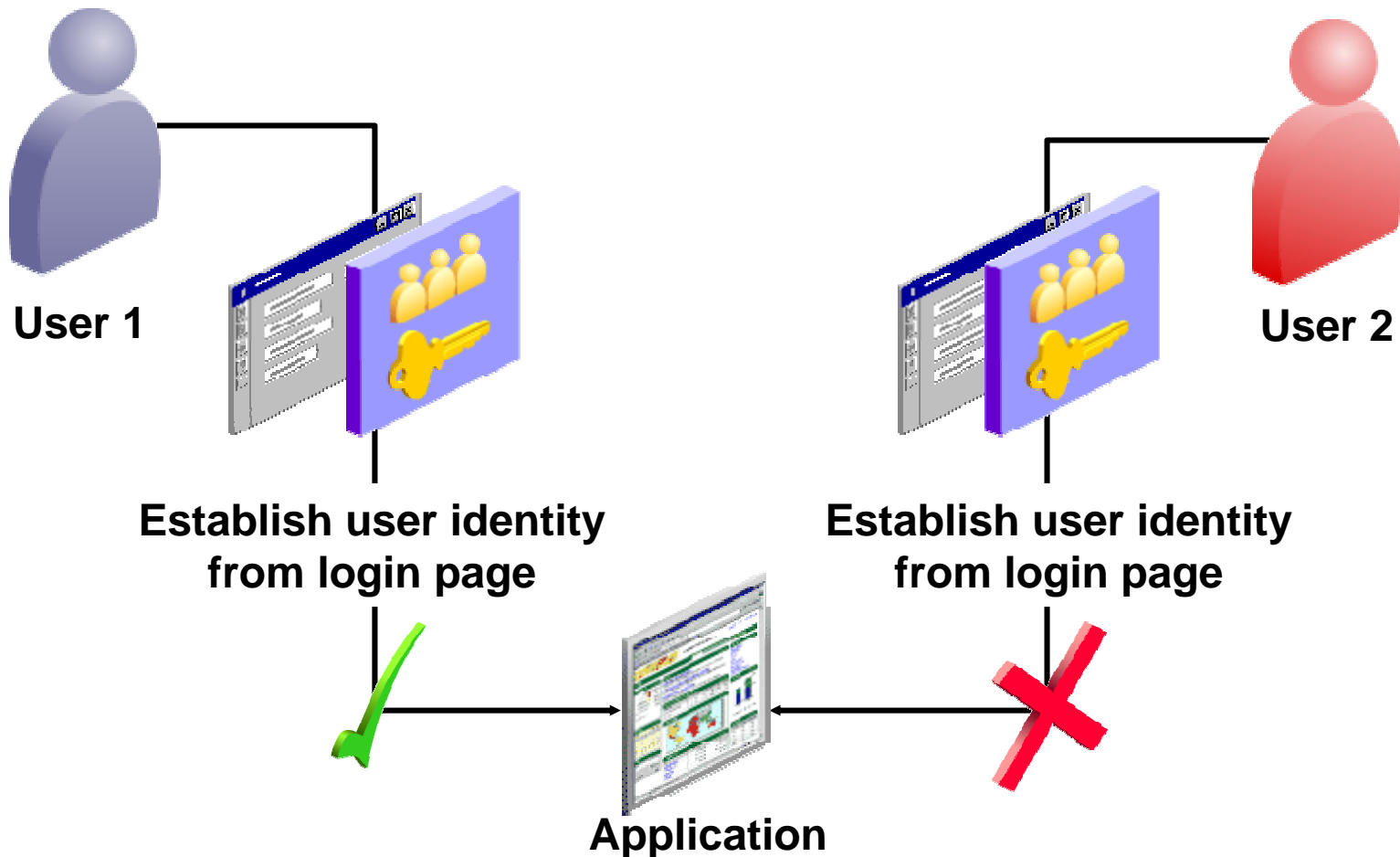
Themes



Securing Your Application



Establishing User Identity Through AUTHENTICATION



Authentication Schemes (choices)

Select a Preconfigured Authentication Scheme

Cancel< PreviousNext >

Gallery:

☒

Show Built-In Login Page and Use Open Door Credentials

☐

Show Login Page and Use HTML DB Account Credentials

☐

Show Login Page and Use LDAP Directory Credentials

☐

No Authentication (using DAD)

☐

Oracle Application Server Single Sign-On (HTML DB Engine as Partner App)

☐

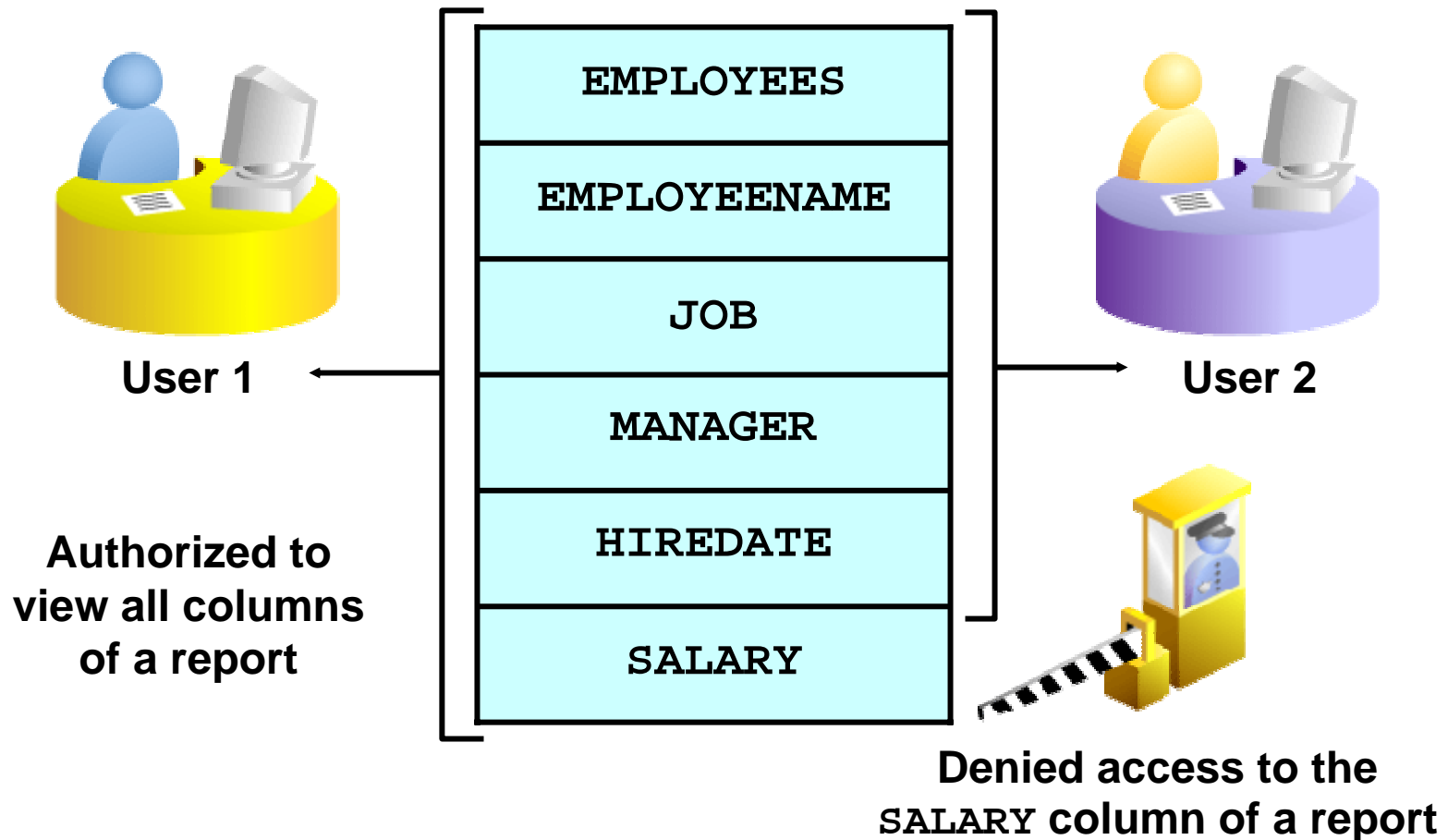
Oracle Application Server Single Sign-On (My Application as Partner App)

☐

SSO Cookie (my.oracle.com -- Oracle Use Only)

 **Information**

Implementing Security Through AUTHORIZATION




Workspace Administration


ORACLE **10^g** HTML DB
DATABASE


User: ORATESTADMIN

Logout Help

Workspace ORATEST


Application Builder


SQL Workshop


Data Workshop

HTML DB
With HTML DB you can build database-centric HTML Web applications.

Workspace Administration


- [Change Password](#)
- [Manage Users](#)
- [Manage Workspace](#)
- [About HTML DB](#)
- [Review Demonstration Applications](#)

Workspace Schemas

- [HR](#)

Applications [Create Application >](#)

Find Rows

Application ▲	Name	Page Count	Updated	Updated By	Run
101	Sample Application v1.6	21	72 minutes ago	admin	

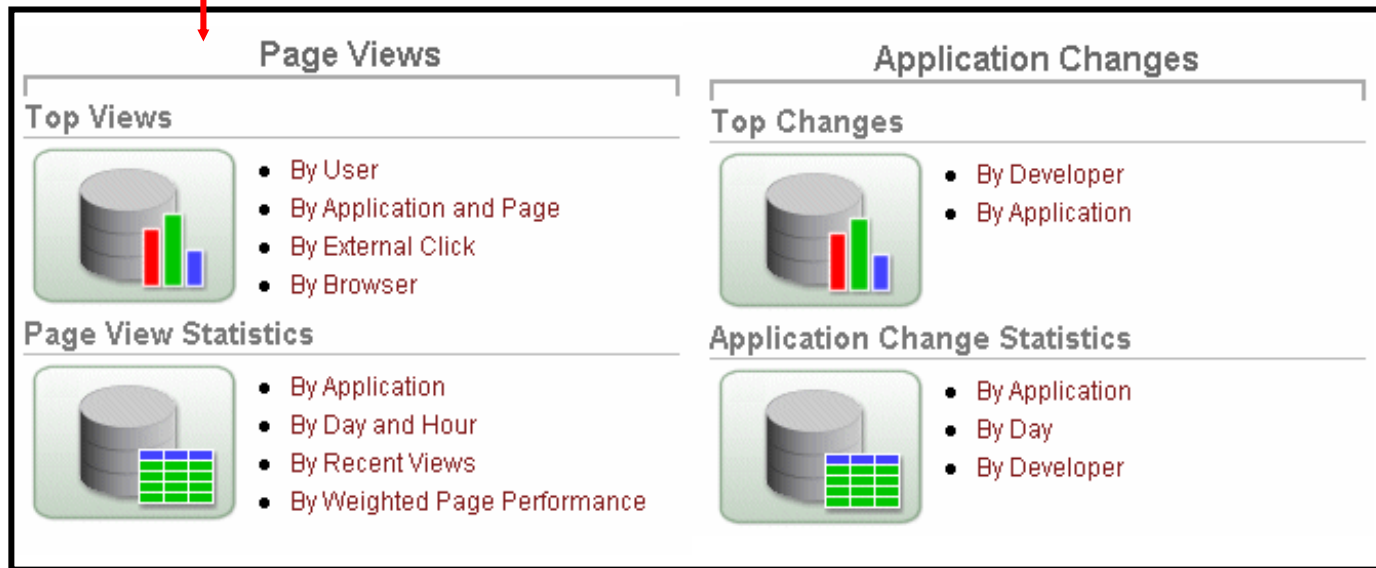
1-1

Administration

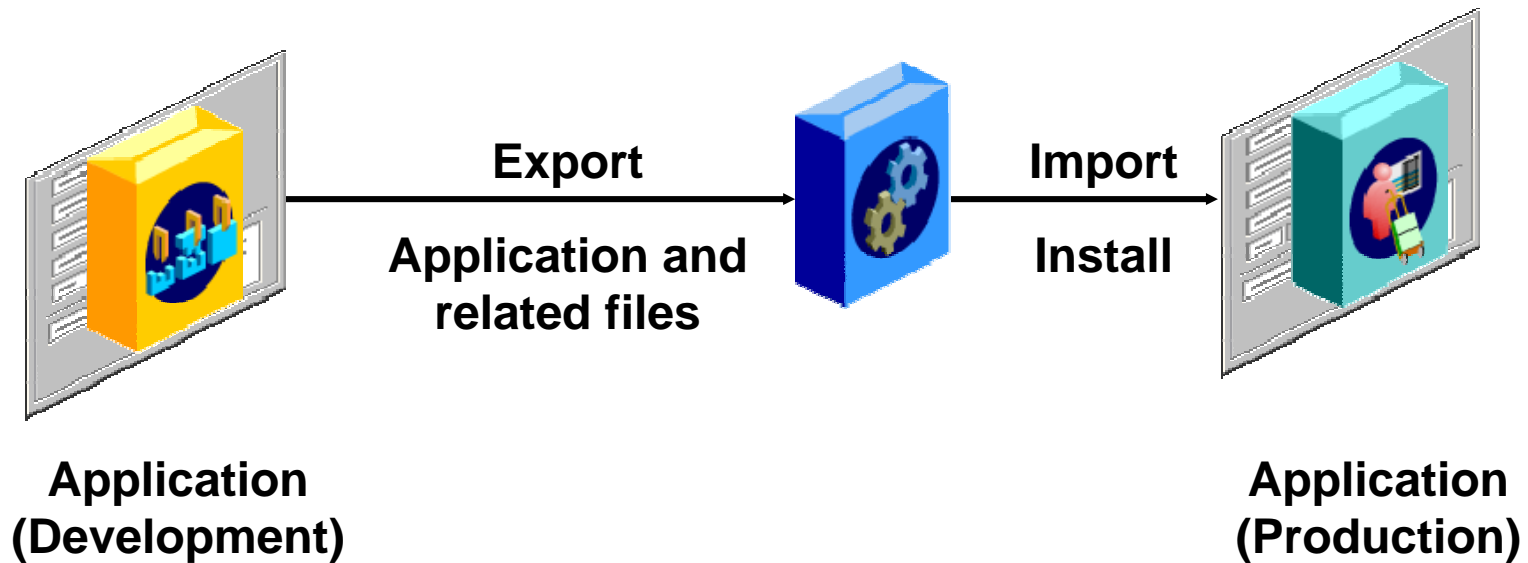
Creating a New User



Monitoring Workspace Utilization



Deploying Your Application by Using Oracle HTML DB Utilities



Exporting Your Application

Workspace Application CSS Images Files Script Files Themes User Interface Defaults

Select Application Reset Export Application

* Application 104 My Application
File Format UNIX

Owner Override

Build Status Override Run and Build Application

As of minutes ago (~ 5 min delay)

File Character Set: **Unicode UTF-8**

Importing Your Application


Import File Cancel Next >

* Import file Browse...

* File Type

* File Character Set

Successfully Imported File Done Cancel Install >

 The export file has been imported successfully.

If you wish to use this file to Install, click **Install >** . Otherwise click **Cancel**.

http://Htmldb.oracle.com

Free website

- **Learn more**
- **Sign up for a free workspace**

