



UNIUNEA EUROPEANĂ



GUVERNUL ROMÂNIEI



Instrumente Structurale  
2007-2013



# Platformă de e-learning și curriculum e-content pentru învățământul superior tehnic

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**Programul Operațional Sectorial Creșterea Competitivității Economice - POS CCE**



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## Sisteme CAD/CASE

### 19. Oracle Designer 10g

# Introducere

- Oracle Designer 10g este un sistem CASE integrat pentru analiza cerințelor de business într-o organizație și proiectarea de aplicații client/server de tip LAN sau WEB.
- Sistemul oferă suport pentru modelarea procesului de business, analiza de sistem, proiectare software și generare de aplicații integrate.
- Depozitul central de date are acces multi-user și este integrat cu instrumentele de dezvoltare Oracle Developer Suite.
- Pachetul Oracle Designer 10g poate fi instalat pe un server cu acces multi-user sau pe un computer PC, rulând sub mai multe sisteme de operare: Windows, Unix, Aix, Sun, Linux, s.a.

# Categoriile de instrumente Oracle Designer 10g

- Instrumentele Oracle Designer 10g sunt grupate în patru categorii:
- **Modeling System Requirements:**
  - Modelarea proceselor de business;
  - Realizarea diagramei fluxului de date;
  - Realizarea diagramelor de relații și funcții.
- **Transforming Preliminary Designs:**
  - Proiectare preliminară pentru baza de date și aplicații;
- **Designing and Generating:**
  - Editarea și stocarea informațiilor în depozitul central de date;
  - Analiza cerințelor organizației;
  - Suport pentru proiectare software;
  - Realizarea aplicațiilor client/server.
- **Repository Tools:**
  - Stocarea diagramelor și dependențelor funcționale;
  - Generarea de rapoarte predefinite;
  - Administrare dicționar de date.

# Oracle Designer 10g – meniul principal



# Repository Connections

**Repository Connections**

Oracle Data Integrator Connection

Login Name: Local Oracle DB

User: SUPERVISOR

Password: \*\*\*\*\*

Database Connection (Master Repository)

User: system

Password: \*\*\*\*\*

Driver List: Oracle JDBC Driver

Driver Name: oracle.jdbc.driver.OracleDriver

Url: jdbc:oracle:thin:@localhost:1541:ORCL

Default Connection

OK Cancel Test Help

# Manager Design Console

Oracle Identity Manager Design Console : connected to jdbc:oracle:thin:@localhost:5522:iam64

File Edit Tool Bar Help

The screenshot shows the Oracle Identity Manager Design Console interface. On the left is a tree view of the application structure, with 'Form Designer' selected under 'Development Tools'. The main area is divided into several sections: 'Table Information' (showing 'UD\_FLAT\_FIL' with description 'Flat File form' and 'Process' form type), 'Version Information' (showing 'third' as the latest and active version), and 'Operations' (with buttons for 'Create New Version' and 'Make Version Active'). Below these is a tabbed interface with 'Additional Columns' selected, displaying a table of columns for the table.

**Table Information**

Table Name: UD\_FLAT\_FIL  
Description: Flat File form  
Form Type: Process

**Version Information**

Latest Version: third  
Active Version: third

**Operations**

Current Vers...: third

**Additional Columns**

	Name	Variant Ty...	Len...	Field Label	Field Type
1	UD_FLAT_FIL_FIRSTNAME	String	30	First Name	TextField
2	UD_FLAT_FIL_UID	String	30	Universal ID	TextField
3	UD_FLAT_FIL_CHANGENO	String	10	Change Number	TextField
4	UD_FLAT_FIL_MAILID	String	30	Email ID	TextField
5	UD_FLAT_FIL_SERVER	long		Server	ITResource
6	UD_FLAT_FIL_LASTNAME	String	30	Last Name	TextField
7	UD_FLAT_FIL_ACCOUNTID	String	10	Account ID	TextField
8	UD_FLAT_FIL_RETURN	String	60	Return ID	TextField

# Global Shared Workarea

The image displays two Oracle10g Designer windows. The top window, titled "Oracle10g Designer", shows a menu bar (File, View, Tools, Help) and a toolbar. Below the toolbar are three main tool panels: "Model System Requirements" (containing Process Modeler, Dataflow Diagrammer, Function Hierarchy Diagrammer, and Entity Relationship Diagrammer), "Transform Preliminary Designs" (containing Database Design Transformer and Application Design Transformer), and "Design and Generate" (containing Design Editor). A "Repository Tools" panel at the bottom contains Dependency Manager, Matrix Diagrammer, Repository Administration Utility, Repository Object Navigator, and Repository Reports.

The bottom window, titled "Repository Object Navigator - pas@localhost/XE - GLOBAL SHARED WORKAREA: Navigator", has a menu bar (File, Edit, View, Navigator, Version, Utilities, Tools, Options, Window, Help) and a toolbar. It displays a table of repository information. A "Select Type" dialog box is open in the foreground, showing a list with "Application Systems" and "Folders" selected. The dialog has "OK", "Cancel", and "Help" buttons.

Property	Value
Repository Name	REPOSITORYADMIN
Branch	
Refreshed	0
Versioned	Y
Repository Type	Non-Versioned Repository
Workarea Name	GLOBAL SHARED WORKAREA



# Repository Object Navigator

The screenshot displays the Repository Object Navigator application window titled "Repository Object Navigator - TRAVEL(1): ORCL\SCOTT". The interface includes a menu bar (File, Edit, View, Navigator, Utilities, Application, Tools, Options, Window, Help) and a toolbar with various icons. The main workspace is divided into two panes:

- Left Pane (TRAVEL(1): ORCL\SCOTT:1):** A tree view showing the database structure. The "Databases (Oracle)" folder is expanded to show "ORCL", which contains sub-folders for "Storage", "Distributed Options", "Users", "Roles", "Profiles", and "Usages". The "Users" folder is further expanded, and the "SCOTT" user is selected and highlighted with a red box.
- Right Pane (TRAVEL(1): Database User Properties):** A table displaying the properties for the selected SCOTT user.

Property	Value
Application Owner	TRAVEL(1)
Database	ORCL
Name	SCOTT
Initial Password	SCOTT
Complete ?	Yes
Database Profile	
Tablespaces	
Default Tablespace	
Temporary Tablespace	
Documentation	
Comment	
Description	
Notes	

At the bottom of the window, there is a status bar with the text "For Help, press F1" on the left and an "UPDATE" button on the right.

# Design Toolbar Navigator

The screenshot displays the Design Toolbar Navigator application. The main window is titled "Modules - Navigator" and shows a hierarchical tree view of modules. The tree is organized into several categories: "Flexible Module Components", "Flexible Lists of Values", "Modules", "Arguments", "Lists of Values", "Module Components", "Sub-components", "Table Usages", "Item Groups", "Unbound Items", "SQL Query Sets", "Displayed Items and Groups", "Action Items", "Application Logic", "Events", "Named Routines", "API Logic", "Windows", and "Called Modules".

The "EMP" module component is selected, and its properties are displayed in the right-hand pane. The properties are organized into several sections:

- General:** Naming Container (hr.EMP), Module Unit (EMP), Table Usage (EMP), Column (ID), Version (1.0), Name (ID), Usage Sequence (10), Template/Library Object.
- Operations:** Insert ? (Yes), Update ? (No).
- Query:** Query ? (Yes), Range Search (Default Behavior), Case/End Option ? (No).
- Display:** Display ? (Yes), Format (id), Display Type (Text), Show Meaning (checked), Width (5), Height (1), Alignment (Left), Format Mask, Formatting.
- Other:** Wrap Style (Wrap), Item Group, Control ? (No), Relative Tab Stops.

The status bar at the bottom of the window shows the path: "hr.EMP>hr.EMP>COFKEEMP>COFKEEMP>EMP".

# Oracle Forms Designer

Forms Designer - [FZIHOLD: FZIHOLD\_1\_CANVAS ( FORM\_HEADER )]

File Edit Tools View Format Arrange Window Help

Canvas: FZIHOLD\_1\_CANVAS Block: FORM\_HEADER

Invh Code	Payee	Trans Date	Total	Cancel Ind	Hold Ind
FABINVH_0	PAYEE1	FABINVH_TF	TOTAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FABINVH_0	PAYEE1	FABINVH_TF	TOTAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FABINVH_0	PAYEE1	FABINVH_TF	TOTAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FABINVH_0	PAYEE1	FABINVH_TF	TOTAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FABINVH_0	PAYEE1	FABINVH_TF	TOTAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FABINVH_0	PAYEE1	FABINVH_TF	TOTAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FABINVH_0	PAYEE1	FABINVH_TF	TOTAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FABINVH_0	PAYEE1	FABINVH_TF	TOTAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FABINVH_0	PAYEE1	FABINVH_TF	TOTAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FABINVH_0	PAYEE1	FABINVH_TF	TOTAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Rollback Save Exit

1x 84.00 16.00

Mod: FZIHOLD File: C:\BANNER\fzihold.fmb <Con> <Ins>

# Matrix Diagrammer

Matrix Diagrammer TRAVEL (1)

File View Tools Options Window Help

MXD1

Table Definitions	CAR	BUS	PER	PAY	CITIE	AIRL	AIRL	CAR	AIRL	TRIF	CUS
MAINT			✓								✓
CJST											✓
HISTORY			✓								✓
VISIT			✓								✓
CJSTHIST			✓								✓
WELCOME											
DD			✓								✓

MXD: Table Definitions

Application System	TRAVEL
Name	CUSTOMERS
Table Type	Table Definition
Alias	CU
Col Prefix	
Display Title	Customers
Journal	None
Object Type	
Stat Rows	
End Rows	
Index-organized?	No
Cluster	
Comment	
Lock Status	Not Locked
Descriptor	
Notes	
User/Help Text	
Insert Code	
Update Code	
Delete Code	
Lock Code	

For Help, press F1

# Exemplu de diagramă entitate-asociere

