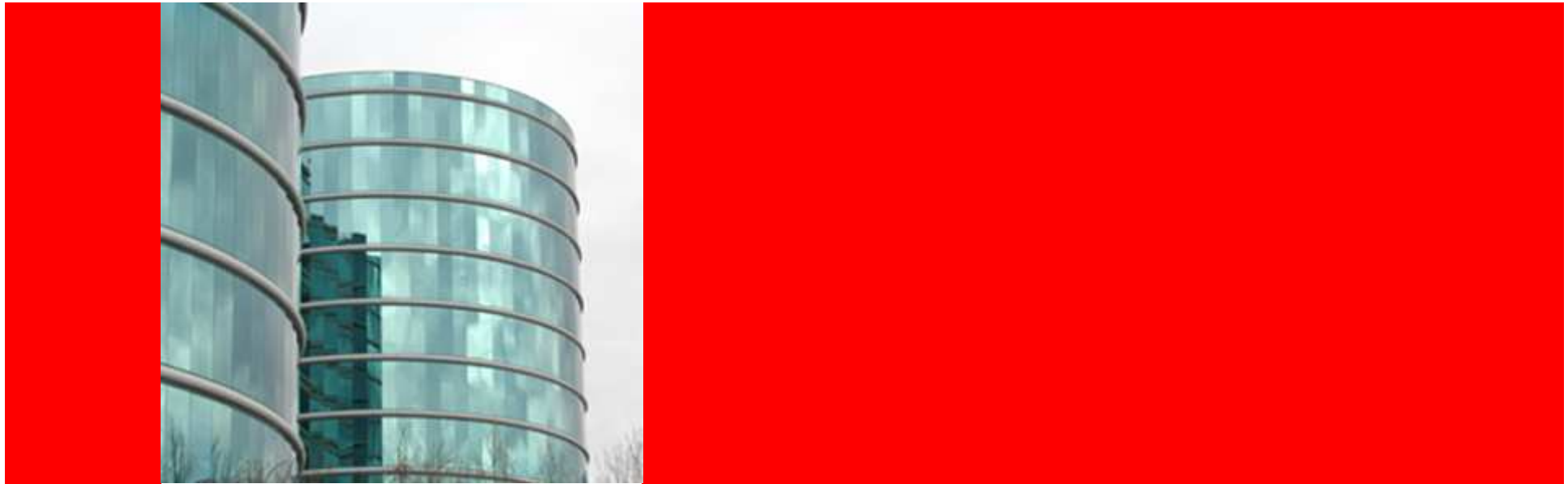


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## **Oracle Rdb Connectivity Tools Demonstrations**

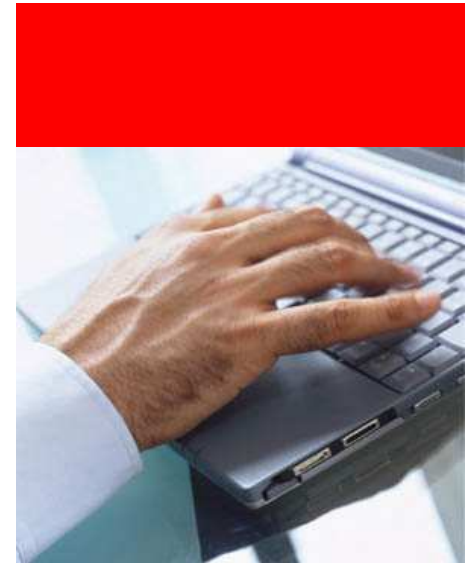
**Jim Murray**


Oracle New England Development Centre



## Agenda

- Oracle Rdb Developer Tools for Visual Studio .NET
  - Oracle Rdb Data Provider for .NET
  - Oracle Rdb DDEX Provider for Visual Studio .NET
- Oracle Rdb Addin for SQLDeveloper
- Oracle Rdb Connectivity Management





The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

# Oracle Rdb Developer Tools for Visual Studio .NET





## Oracle Rdb Developer Tools for Visual Studio .NET

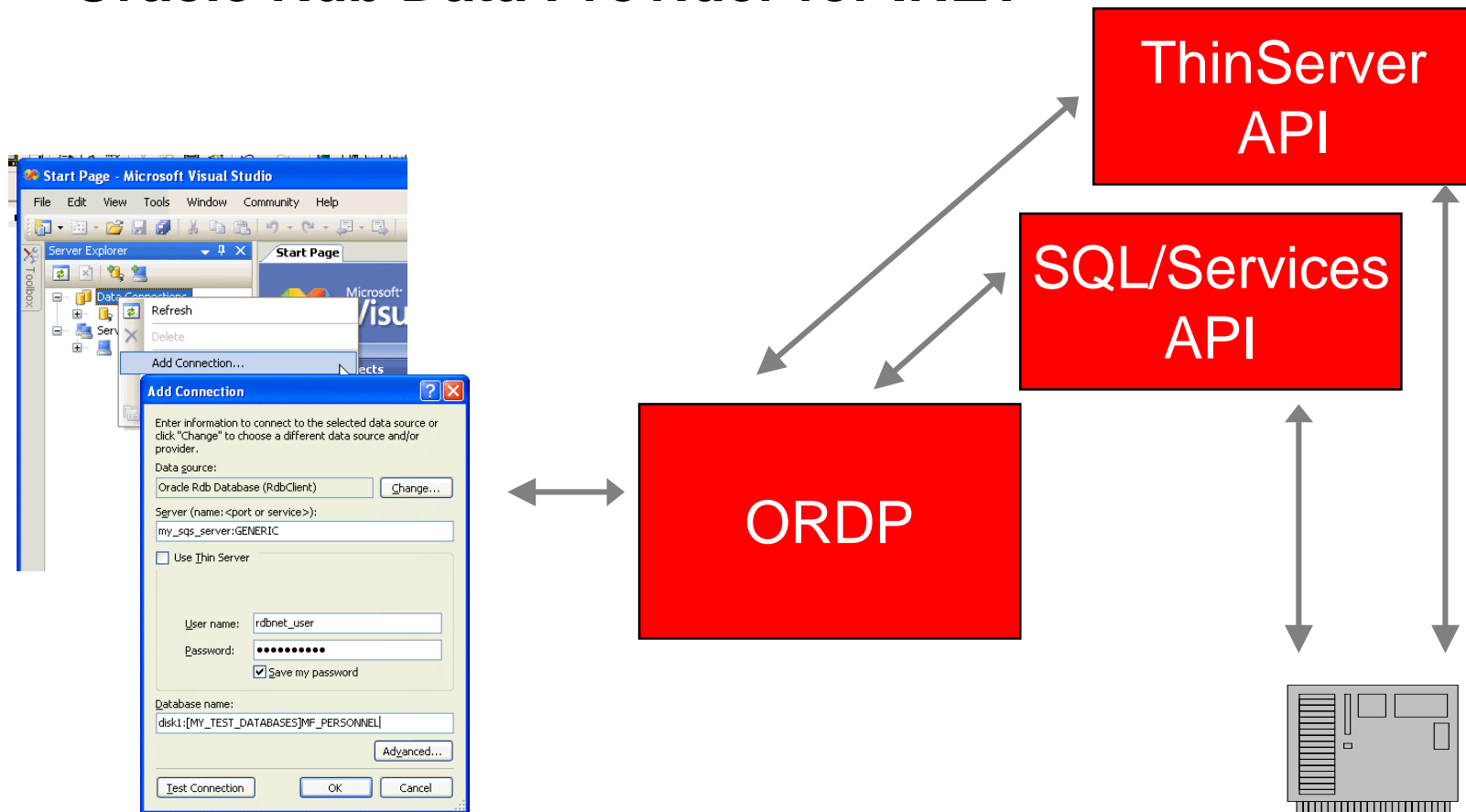
- Set of application tools that integrate with the Visual Studio environment.
  - Oracle Rdb Data Provider for .NET
  - Oracle Rdb DDEX Provider for Visual Studio .NET
- Provide graphical user interface access to Oracle Rdb functionality.



# Oracle Rdb Data Provider for .NET



# Oracle Rdb Data Provider for .NET







# **Oracle Rdb DDEX Provider for Visual Studio .NET**

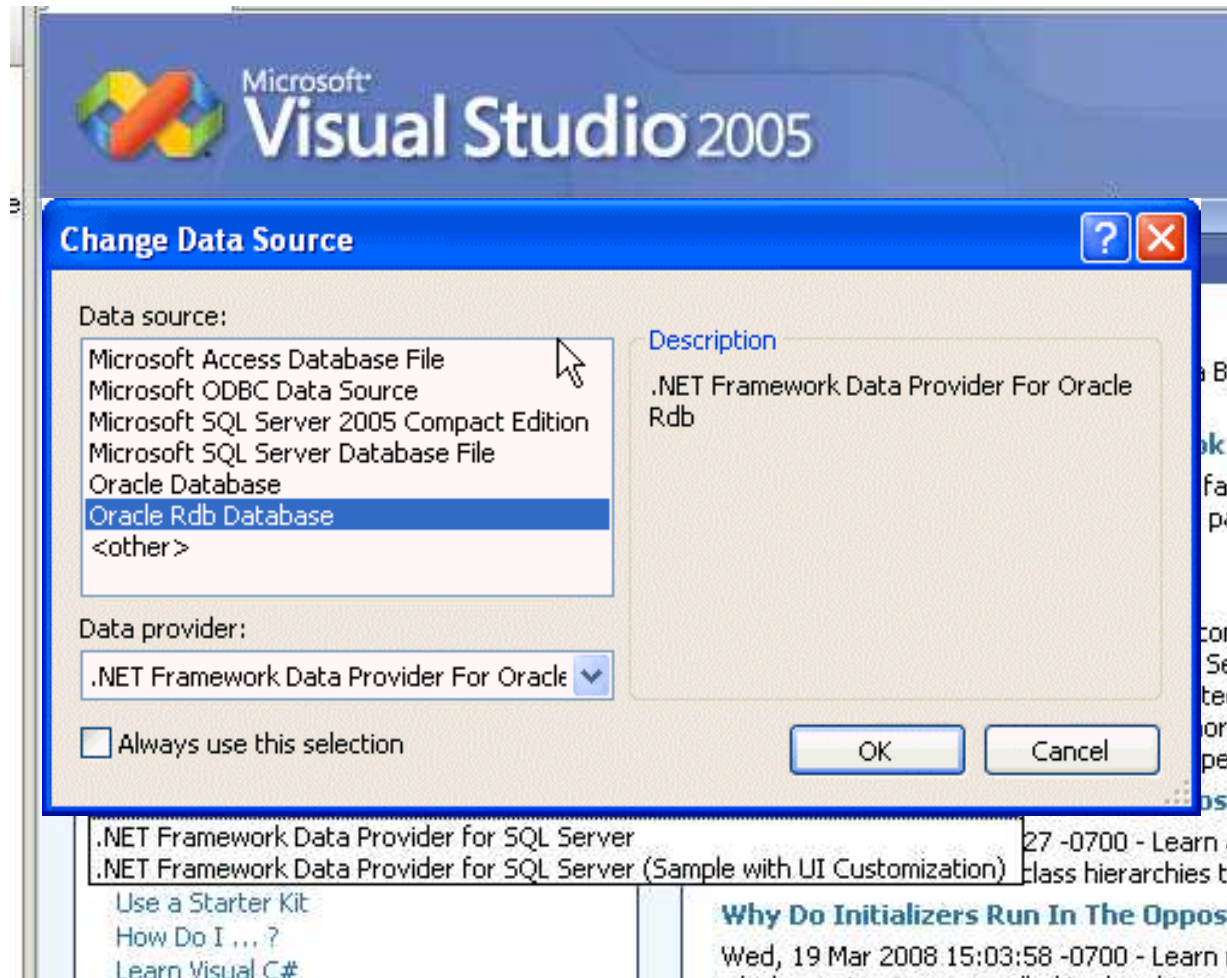




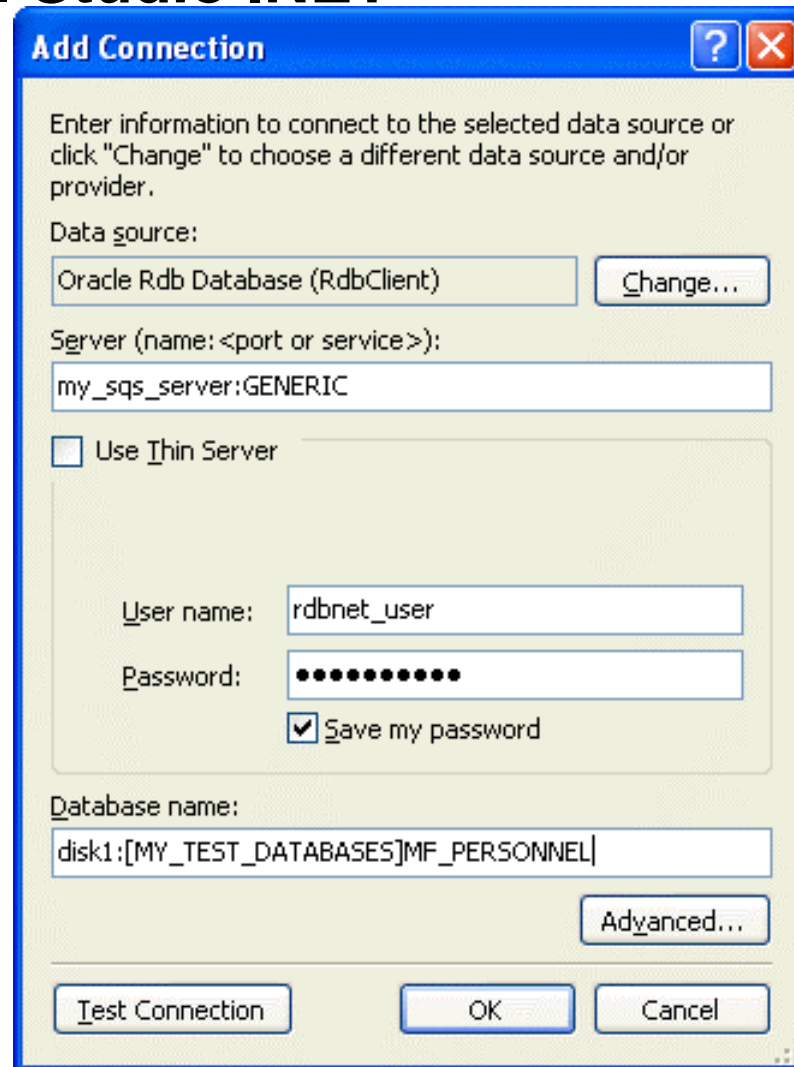
## **DDEX Provider for Visual Studio .NET**

- Integration of RdbDataAdapter with Visual Studio
- Standard DDEX Provider
- Schema browsing
- Database Access Code generation
- Use standard Visual Studio Data Source tools

# Oracle Rdb Developer Tools for Visual Studio .NET



# Oracle Rdb Developer Tools for Visual Studio .NET



The screenshot shows the 'Add Connection' dialog box. It has a blue title bar with a question mark and a close button. The main area is light yellow with a blue border. The text inside says: 'Enter information to connect to the selected data source or click "Change" to choose a different data source and/or provider.' Below this, there are several fields and buttons. The 'Data source:' field contains 'Oracle Rdb Database (RdbClient)' and has a 'Change...' button next to it. The 'Server (name: <port or service>):' field contains 'my\_sqs\_server:GENERIC'. There is a checkbox labeled 'Use Thin Server' which is unchecked. Below this, there are fields for 'User name:' (containing 'rdbnet\_user') and 'Password:' (containing a series of dots). There is a checkbox labeled 'Save my password' which is checked. At the bottom, there is a 'Database name:' field containing 'disk1:[MY\_TEST\_DATABASES]MF\_PERSONNEL'. There is an 'Advanced...' button to the right of this field. At the very bottom, there are three buttons: 'Test Connection', 'OK', and 'Cancel'.

**Add Connection**

Enter information to connect to the selected data source or click "Change" to choose a different data source and/or provider.

Data source:  
Oracle Rdb Database (RdbClient) Change...

Server (name: <port or service>):  
my\_sqs\_server:GENERIC

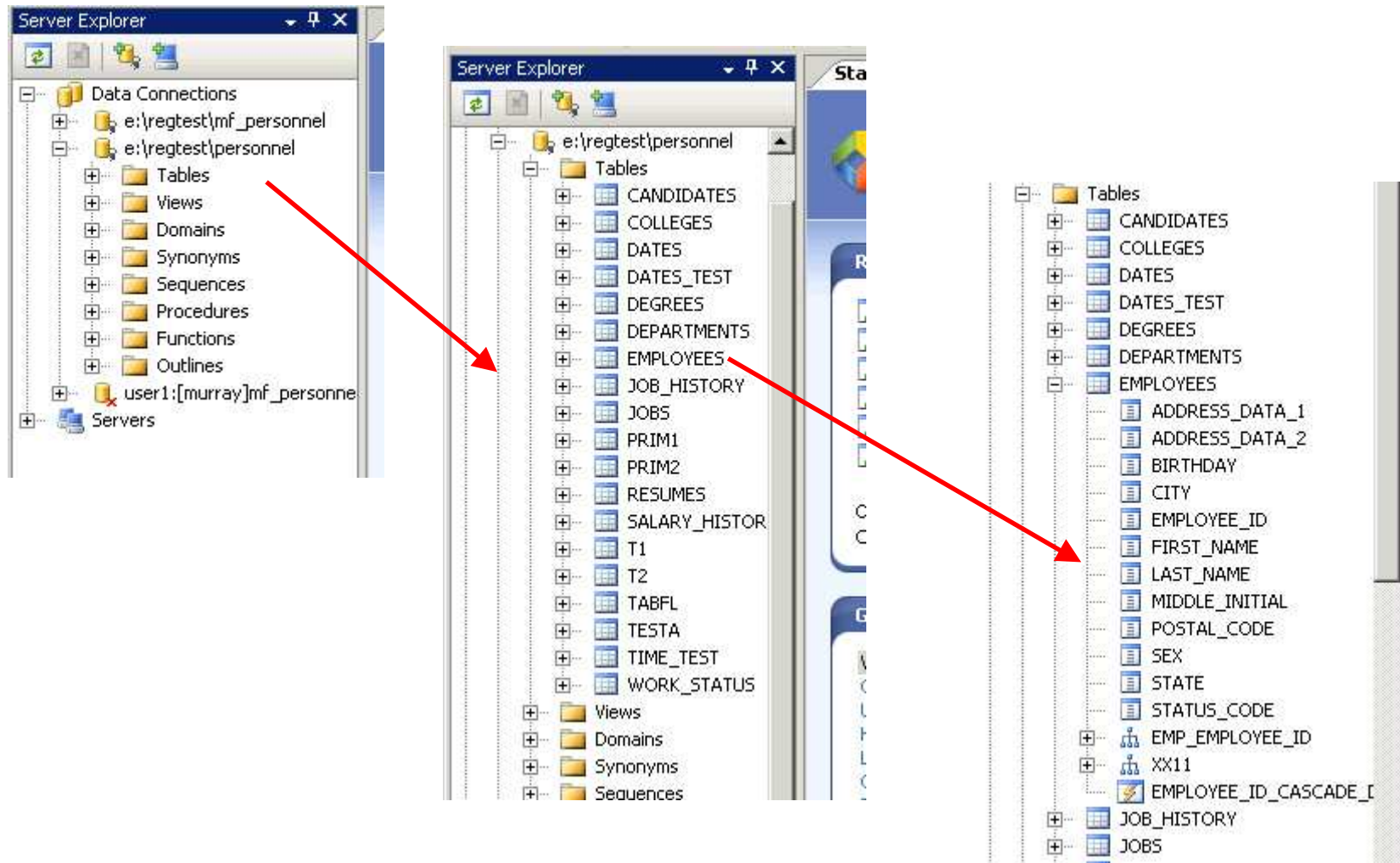
☐ Use Thin Server

User name: rdbnet\_user  
Password: .....  
☒ Save my password

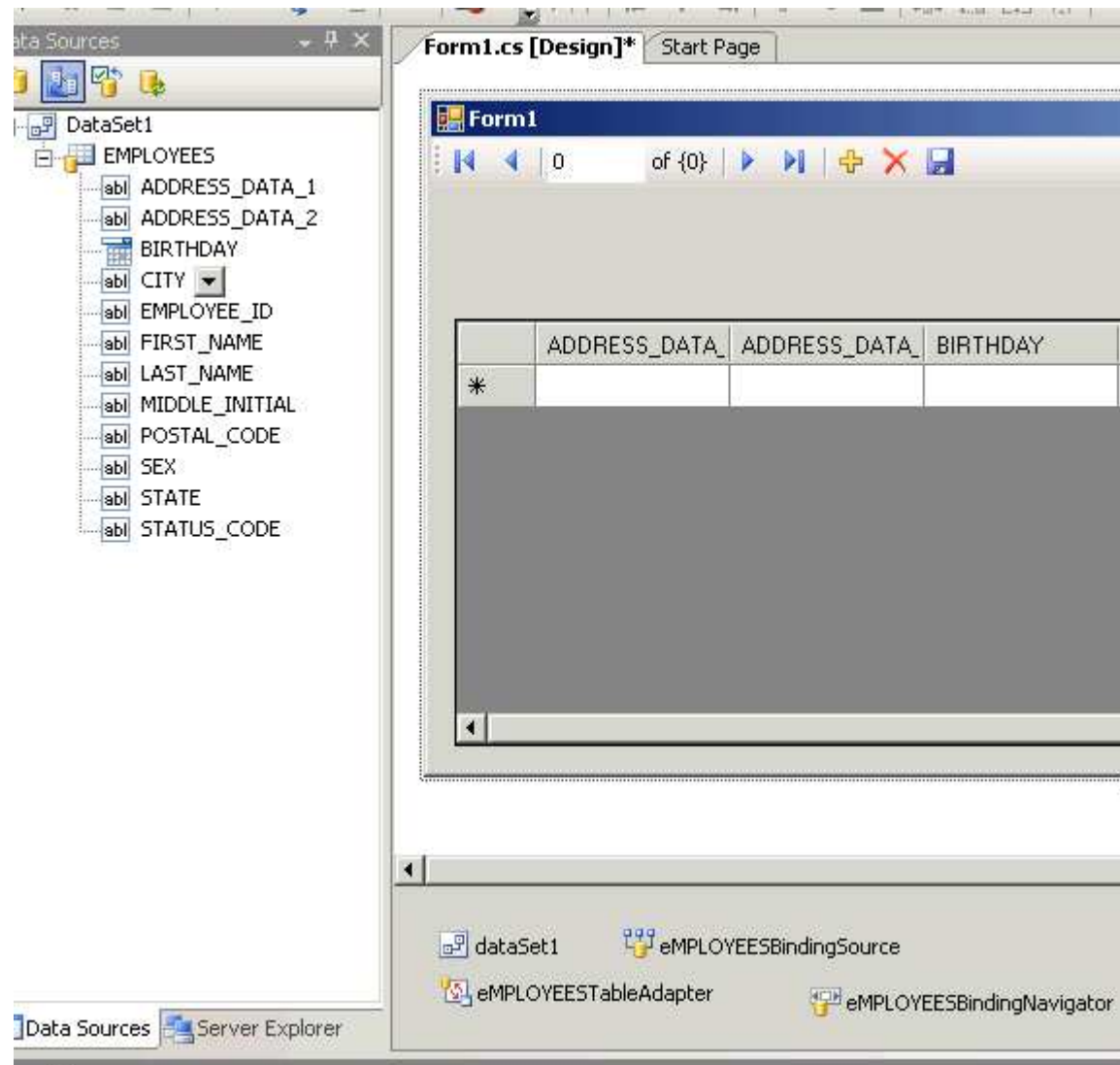
Database name:  
disk1:[MY\_TEST\_DATABASES]MF\_PERSONNEL Advanced...

Test Connection OK Cancel

# Oracle Rdb Developer Tools for Visual Studio .NET



# Oracle Rdb Developer Tools for Visual Studio .NET

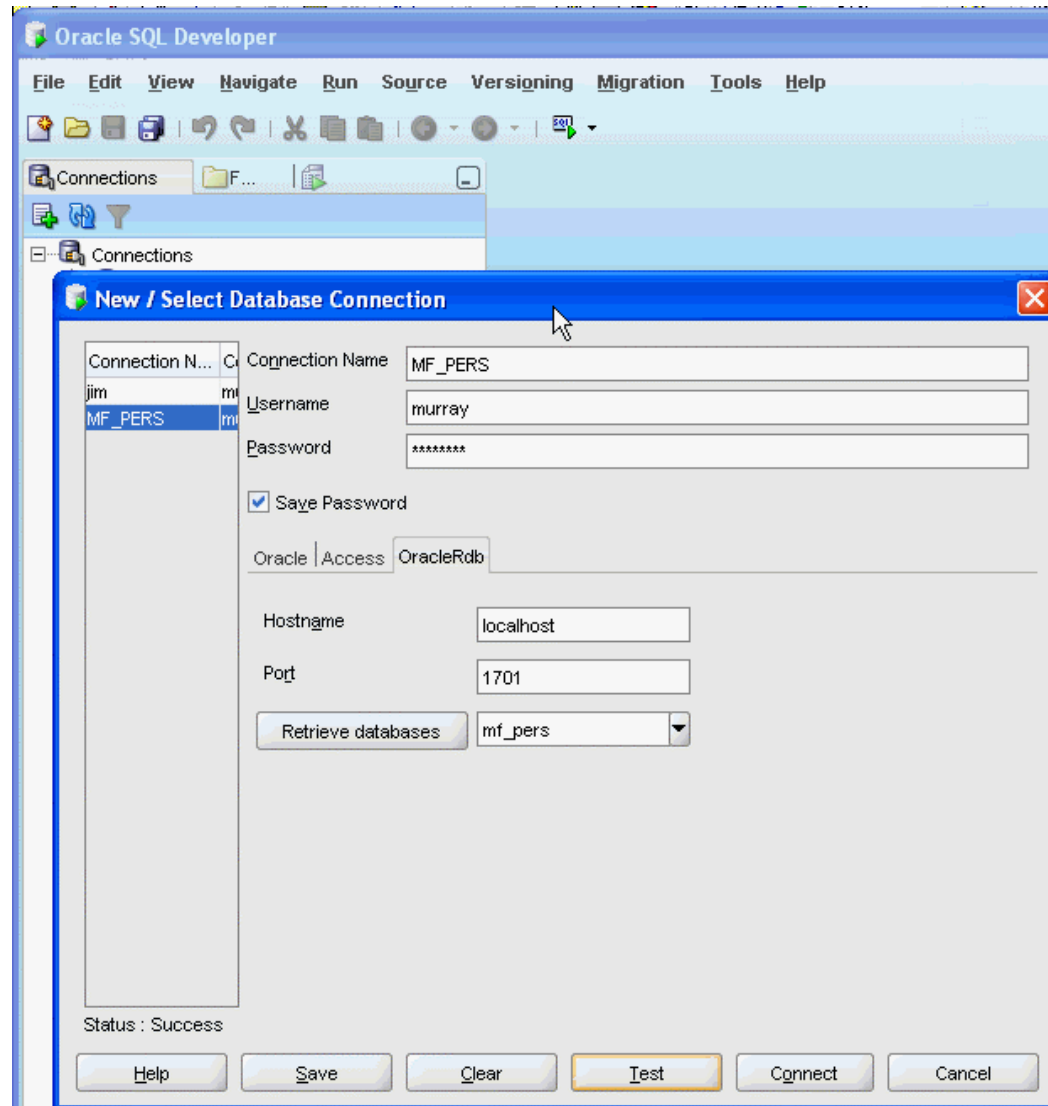


# Oracle Rdb Addin for SQLDeveloper



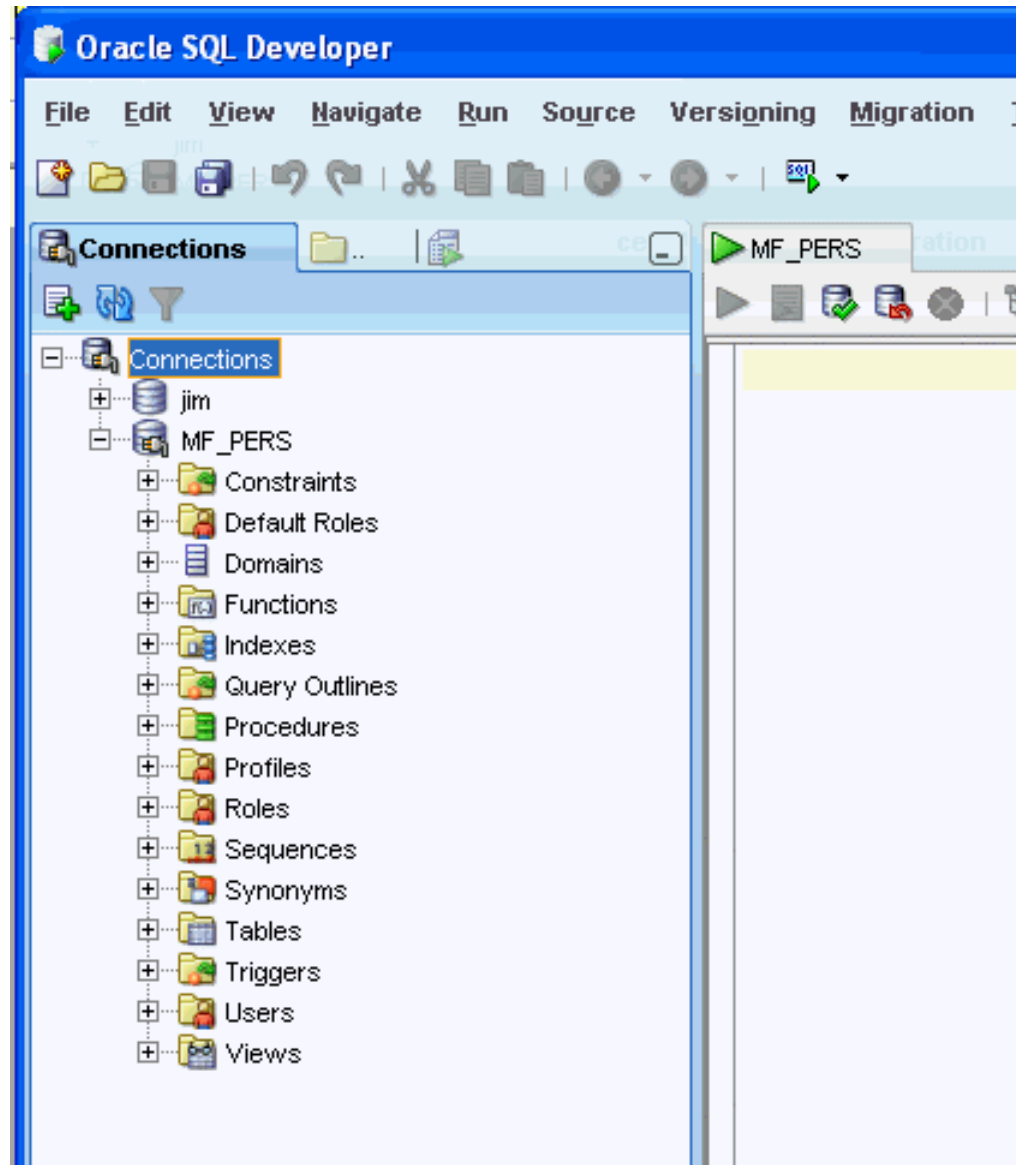


# Oracle Rdb Addin for SQLDeveloper

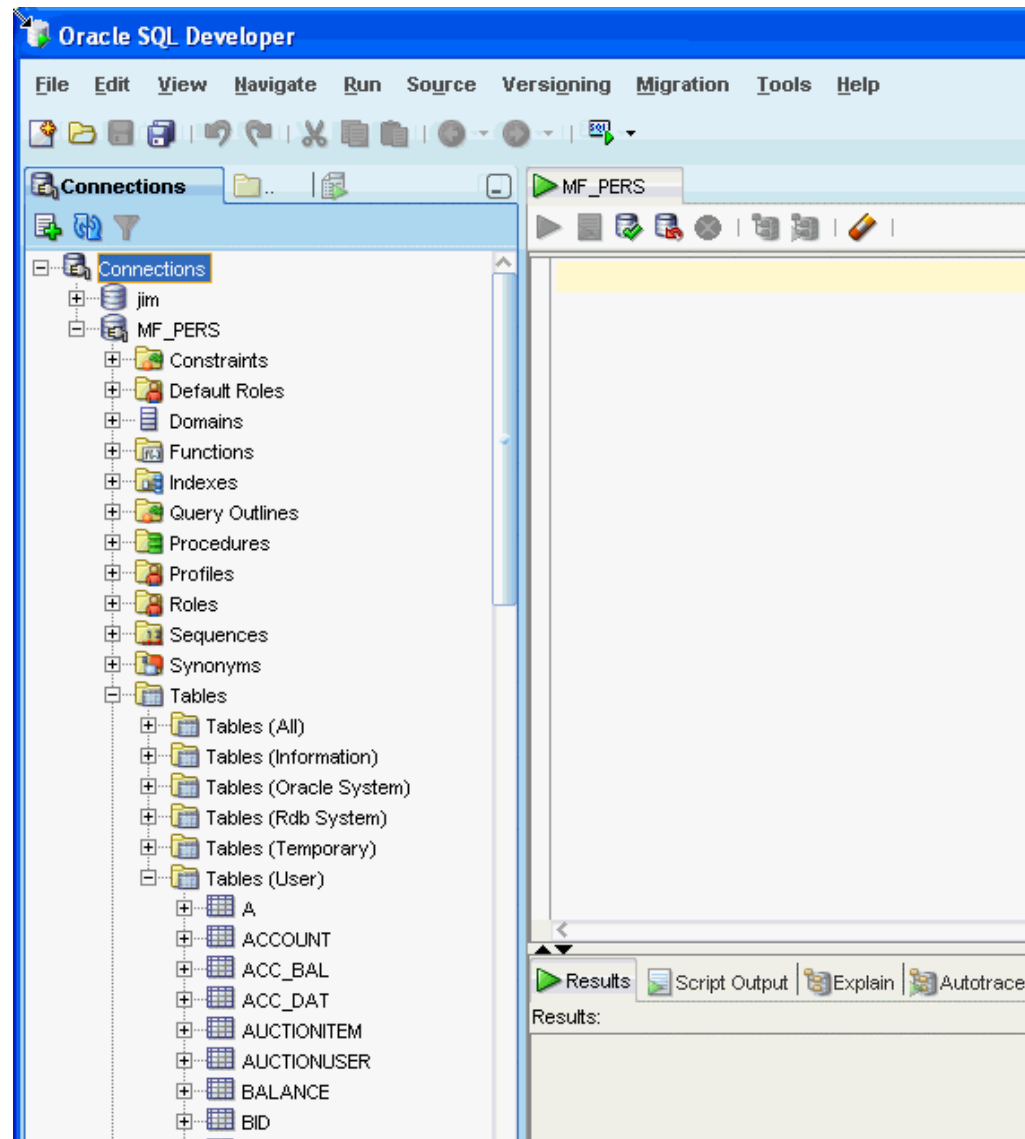




# Oracle Rdb Addin for SQLDeveloper



# Oracle Rdb Addin for SQLDeveloper



# Oracle Rdb Addin for SQLDeveloper

The screenshot displays the Oracle SQL Developer interface. On the left, the 'Connections' pane shows a tree of database objects, with 'EMPLOYEES' selected under the 'MF\_PERS' connection. The main window shows the 'Columns' tab for the 'EMPLOYEES' table, displaying a list of 12 columns with their respective data types, sizes, and nullability.

ORDINAL POSITION	Column Name	Data Type	SIZE	SCALE	IS NULLABLE
1	EMPLOYEE_ID	CHAR	5	(null)	YES
2	LAST_NAME	CHAR	14	(null)	YES
3	FIRST_NAME	CHAR	10	(null)	YES
4	MIDDLE_INITIAL	CHAR	1	(null)	YES
5	ADDRESS_DAT...	CHAR	25	(null)	YES
6	ADDRESS_DAT...	CHAR	25	(null)	YES
7	CITY	CHAR	20	(null)	YES
8	STATE	CHAR	2	(null)	YES
9	POSTAL_CODE	CHAR	5	(null)	YES
10	SEX	CHAR	1	(null)	YES
11	BIRTHDAY	TIMESTAMP	23	(null)	YES
12	STATUS_CODE	CHAR	1	(null)	YES

# Oracle Rdb Addin for SQLDeveloper

The screenshot displays the SQL Developer interface with the 'EMPLOYEES' table selected. The 'Columns' tab is active, showing the table's structure. A right-click context menu is open over the 'EMPLOYEES' table in the left pane, with the 'Table' option selected, leading to a sub-menu where 'Count Rows' is highlighted. A large red arrow points from the 'Count Rows' option to a 'Confirmation' dialog box on the right.

**Table Structure (Columns Tab):**

ORDINAL POSITION	Column Name	CH
1	EMPLOYEE_ID	CH
2	LAST_NAME	CH
3	FIRST_NAME	CH
4	MIDDLE_INITIAL	CH
5	ADDRESS_DAT...	
6	ADDRESS_DAT...	
7	CITY	
8	STATE	
9	SEX	
10	BIRTHDAY	TIM
11	STATUS_CODE	CH

**Confirmation Dialog:**

Table "EMPLOYEES" contains 100 Rows.

OK

# Oracle Rdb Addin for SQLDeveloper

The screenshot illustrates the process of exporting data from the 'EMPLOYEES' table in SQL Developer using the Oracle Rdb Addin. The 'Export Data' dialog box is open, showing the 'Format' tab with 'html' selected. The 'Table' field contains 'EMPLOYEES' and the 'File' field shows the path 'C:\Documents and Settings\nmurray\EMPLOYEES.htm'. A red arrow points from the 'html' option in the 'Export Data' menu to the 'Format' tab in the dialog.

ORDINAL POSITION	Column Name	Data Type	SIZE
1	EMPLOYEE_ID	CHAR	
2	LAST_NAME	CHAR	1
3	FIRST		
4	MIDDLE		
5	ADDRE		
6	ADDRE		
7	CITY		
8	STATE		
9	POSTA		
10	SEX		
11	BIRTHD		
12	STATU		

**Export Data**

Format Columns Where

Format **html**

Output ☒ File ☐ Clipboard

Table

File

Encoding set in preferences will be used unless you select another one using the file dialog.

# Oracle Rdb Addin for SQLDeveloper

C:\Documents and Settings\murray\EMPLOYEES.htm - Windows Internet Explorer

C:\Documents and Settings\murray\EMPLOYEES.htm

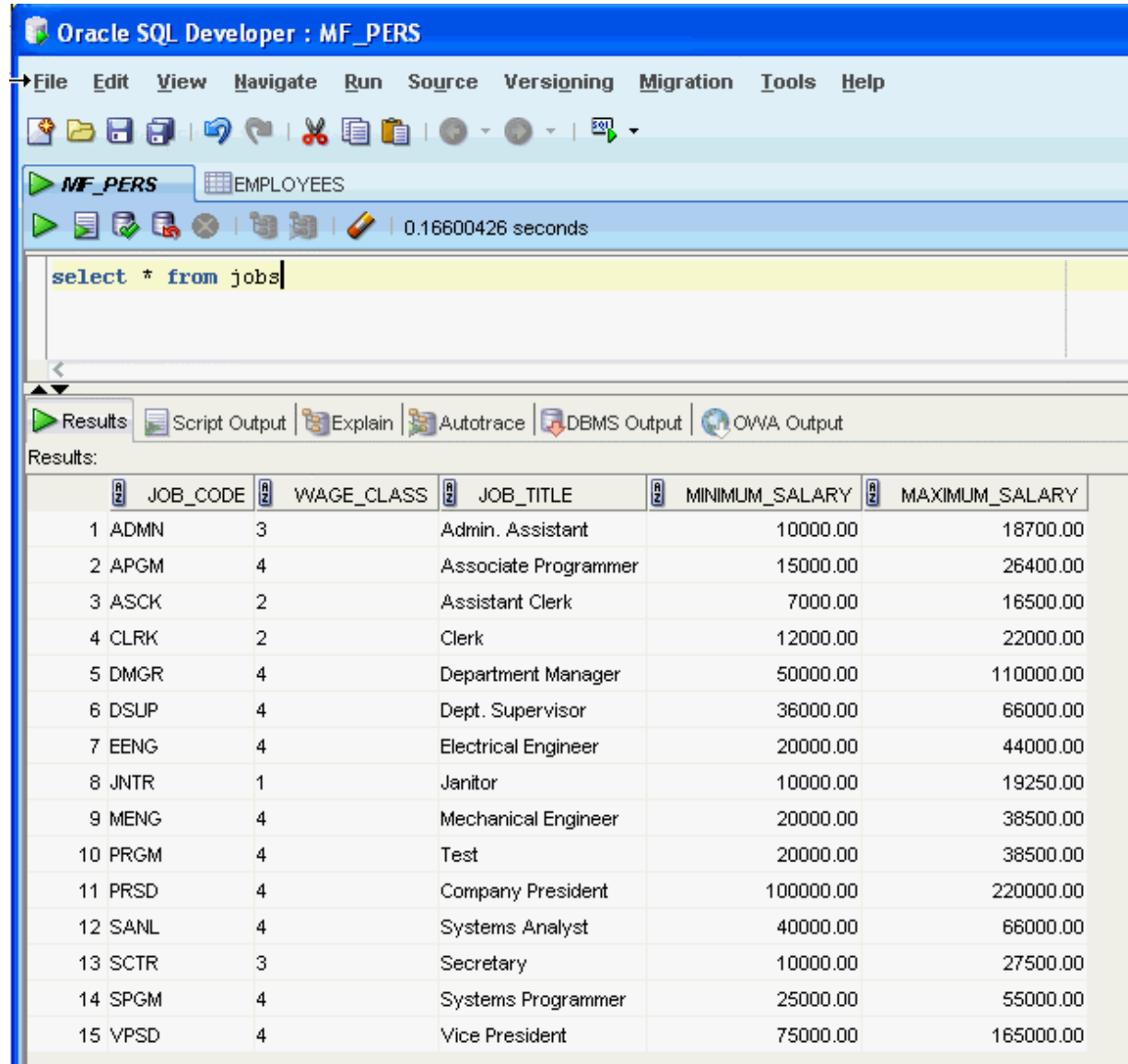
File Edit View Favorites Tools Help

C:\Documents and Settings\murray\EMPLOYEES.htm

Search

EMPLOYEE_ID	LAST_NAME	FIRST_NAME	MIDDLE_INITIAL	ADDRESS_DATA_1	ADDRESS_DATA_2	CITY	STATE	POSTAL_CODE	SEX	BIRTHDAY
00164	Toliver	Alvin	A	146 Parnell Place		Chocorua	NH	03817	M	1947-03-28 00:00:00.0
00165	Smith	Terry	D	120 Tenby Dr.		Chocorua	NH	03817	M	1954-05-15 00:00:00.0
00166	Dietrich	Rick		19 Union Square		Boscawen	NH	03301	M	1954-03-20 00:00:00.0
00167	Kilpatrick	Janet		143 Pine St.		Marlow	NH	03456	F	1937-03-05 00:00:00.0
00168	Nash	Norman		87 West Rd.		Meadows	NH	03587	M	1932-10-23 00:00:00.0
00169	Gray	Susan	O	51 Maple St.		Etna	NH	03750	F	1938-08-13 00:00:00.0
00170	Wood	Brian		140 Searles Rd.		Jefferson	NH	03583	M	1957-06-03 00:00:00.0

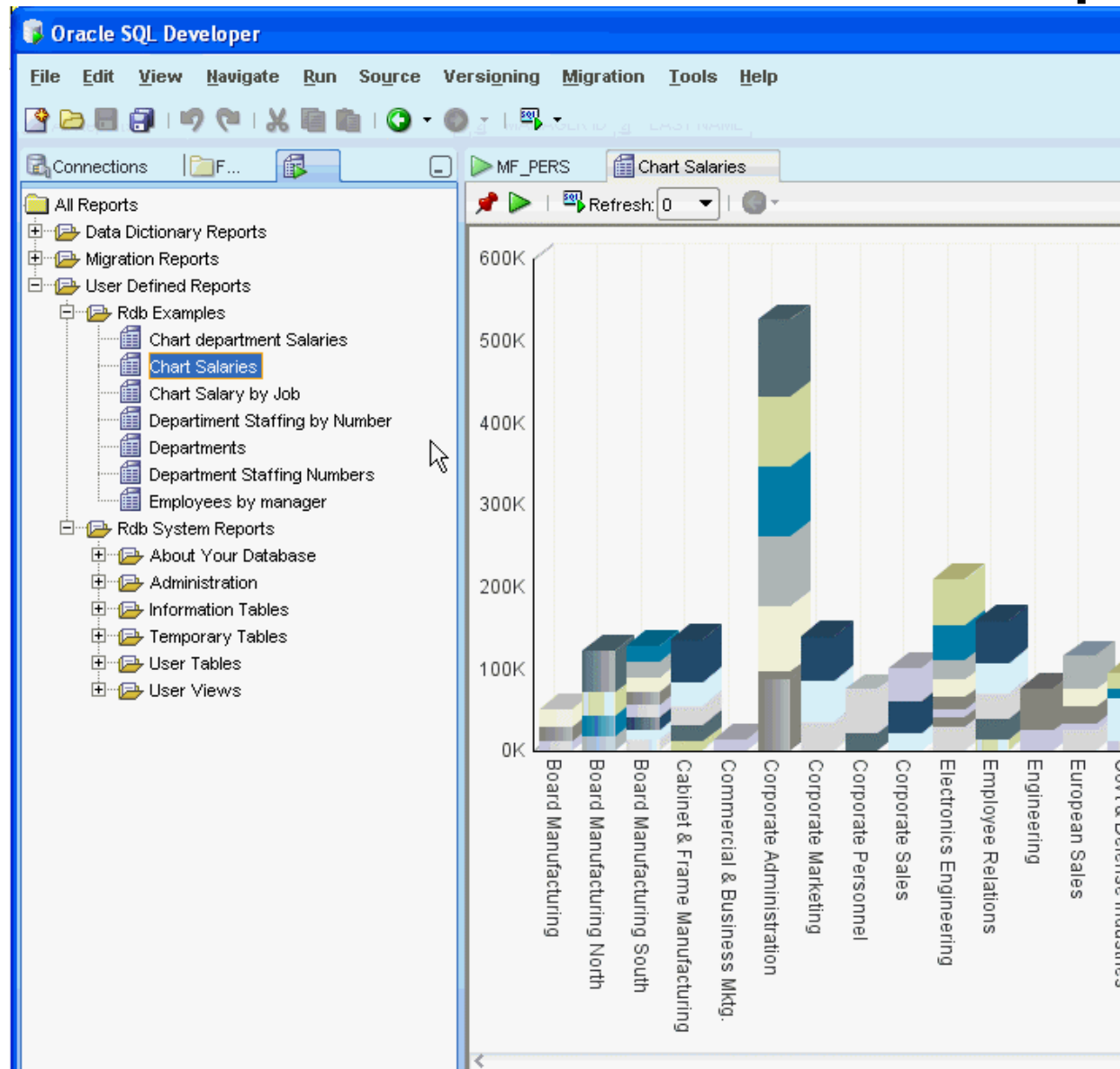
# Oracle Rdb Addin for SQLDeveloper



The screenshot displays the Oracle SQL Developer interface. The title bar reads "Oracle SQL Developer : MF\_PERS". The menu bar includes File, Edit, View, Navigate, Run, Source, Versioning, Migration, Tools, and Help. The toolbar contains icons for file operations, execution, and debugging. The main editor shows the query "select \* from jobs". Below the editor, the "Results" tab is active, displaying a table with 15 rows and 6 columns. The columns are JOB\_CODE, WAGE\_CLASS, JOB\_TITLE, MINIMUM\_SALARY, and MAXIMUM\_SALARY. The table lists various job roles and their corresponding salary ranges.

	JOB_CODE	WAGE_CLASS	JOB_TITLE	MINIMUM_SALARY	MAXIMUM_SALARY
1	ADMN	3	Admin. Assistant	10000.00	18700.00
2	APGM	4	Associate Programmer	15000.00	26400.00
3	ASCK	2	Assistant Clerk	7000.00	16500.00
4	CLRK	2	Clerk	12000.00	22000.00
5	DMGR	4	Department Manager	50000.00	110000.00
6	DSUP	4	Dept. Supervisor	36000.00	66000.00
7	EENG	4	Electrical Engineer	20000.00	44000.00
8	JNTR	1	Janitor	10000.00	19250.00
9	MENG	4	Mechanical Engineer	20000.00	38500.00
10	PRGM	4	Test	20000.00	38500.00
11	PRSD	4	Company President	100000.00	220000.00
12	SANL	4	Systems Analyst	40000.00	66000.00
13	SCTR	3	Secretary	10000.00	27500.00
14	SPGM	4	Systems Programmer	25000.00	55000.00
15	VPSD	4	Vice President	75000.00	165000.00

# Oracle Rdb Addin for SQLDeveloper





# Oracle Rdb Addin for SQLDeveloper

The screenshot displays the Oracle SQL Developer interface. On the left, the 'Rdb Examples' tree is expanded, showing various reports. The 'Index Depth' report is selected, and its data is displayed in the main pane. The report shows a list of indexes and their corresponding RDB\$INDEX DEPTH values.

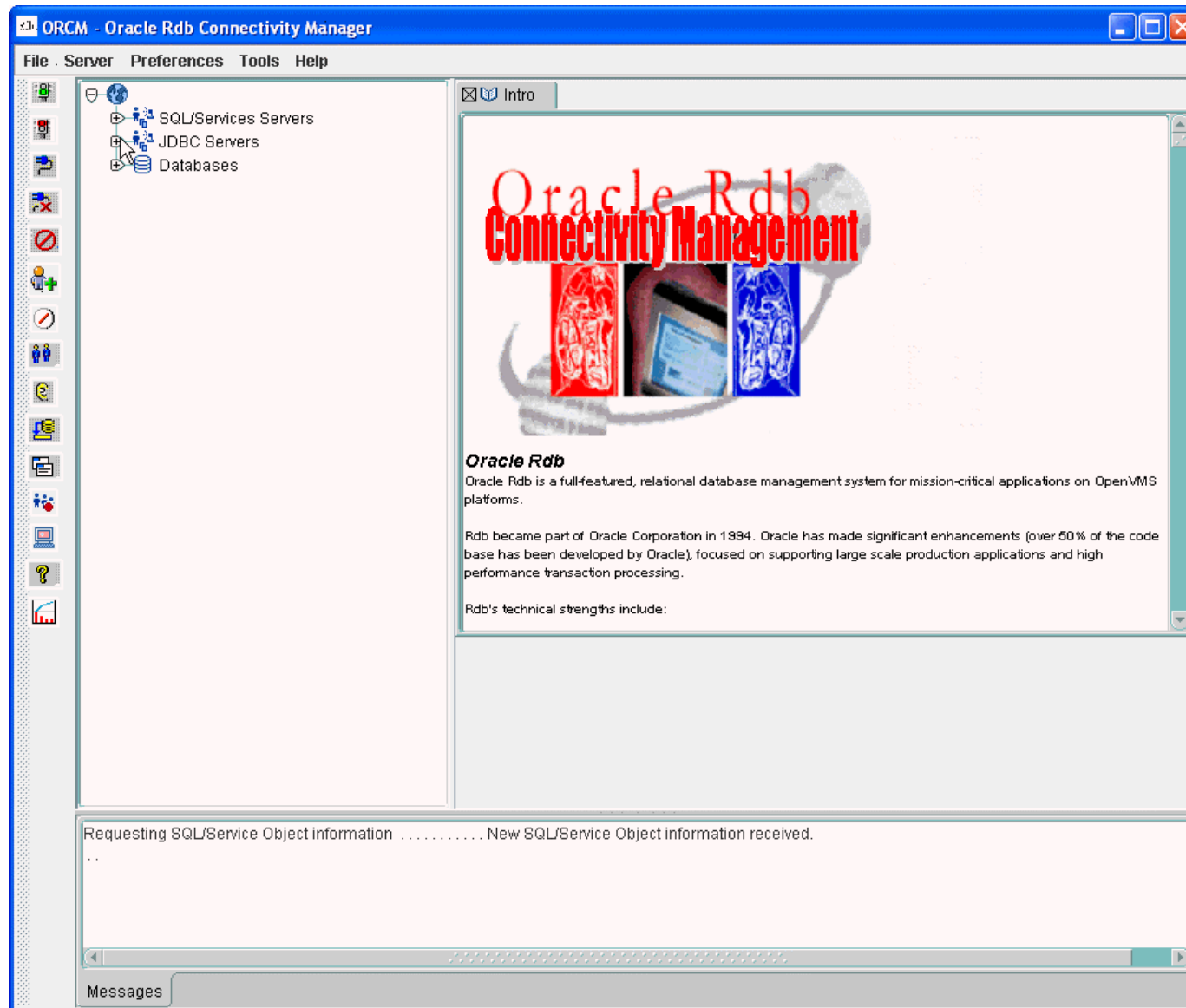
Name	Index Type	RDB\$INDEX DEPTH
DEG_EMP_ID	SORTED	2.0000000
EMP_EMPLOYEE_ID	SORTED	2.0000000
JH_EMPLOYEE_ID	SORTED	2.0000000
SH_EMPLOYEE_ID	SORTED	2.0000000
COLL_COLLEGE_CODE	SORTED	1.0000000
DEG_COLLEGE_CODE	SORTED	1.0000000
DEPARTMENTS_INDEX	SORTED	1.0000000
ACCOUNT_KEY	SORTED	0E-7
ACC_BAL_KEY	SORTED	0E-7
ACC_DAT_KEY	SORTED	0E-7
BALANCE_KEY	SORTED	0E-7
C1	SORTED RANKED	0E-7
COLI	SORTED RANKED	0E-7
EMPLOYEES_HASH	HASHED	0E-7
IA	SORTED	0E-7
IIRAND	SORTED RANKED	0E-7
IND1A	SORTED	0E-7
IND1XX	SORTED	0E-7
IND2	SORTED	0E-7
JC	SORTED	0E-7
JOB_HISTORY_HASH	HASHED	0E-7
MAKI	SORTED RANKED	0E-7
POSTING_KEY	SORTED	0E-7
T1_NDX	SORTED	0E-7
T2_NDX	SORTED	0E-7
TRANSACTION_KEY	SORTED	0E-7



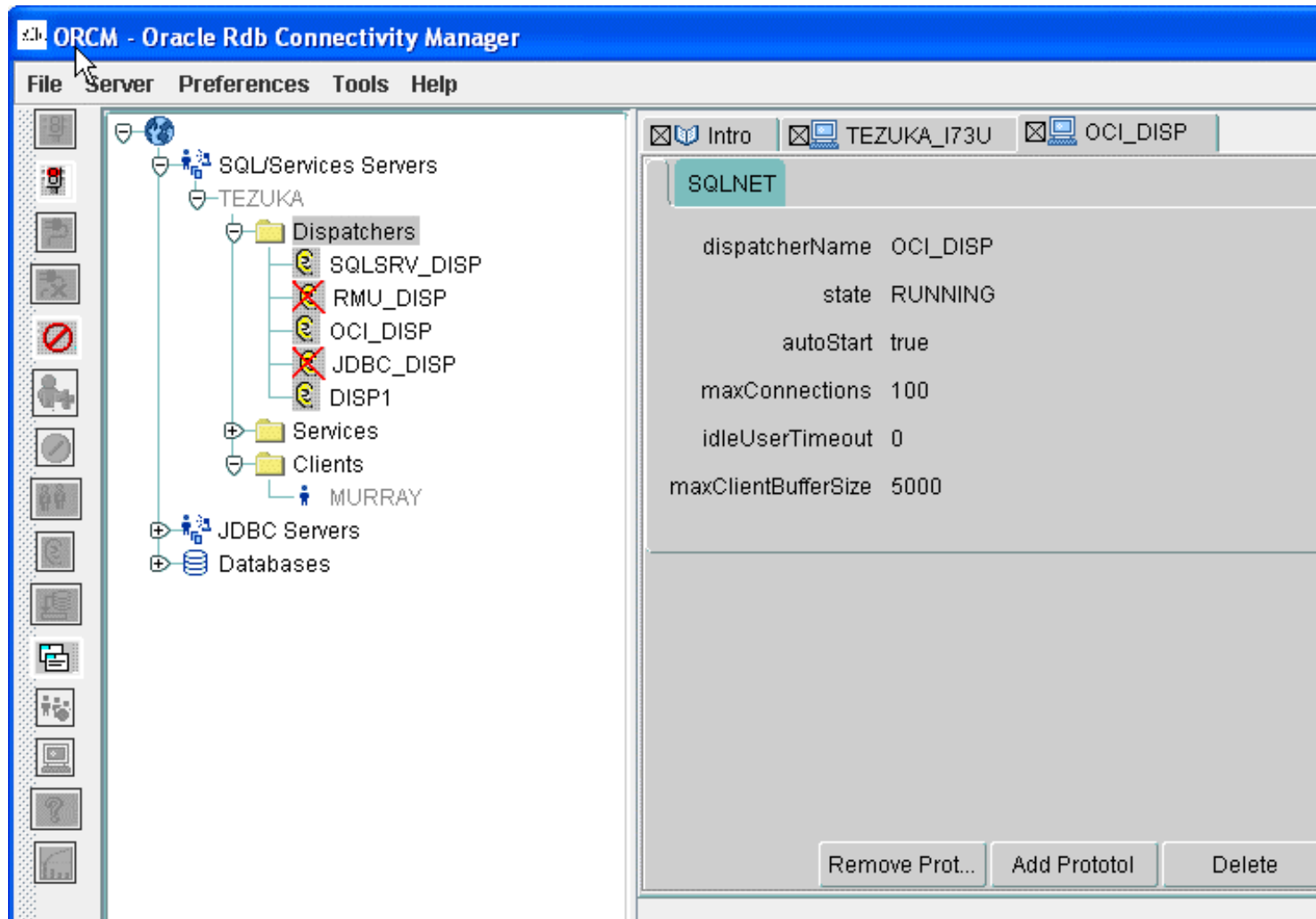
# Oracle Rdb Connectivity Management



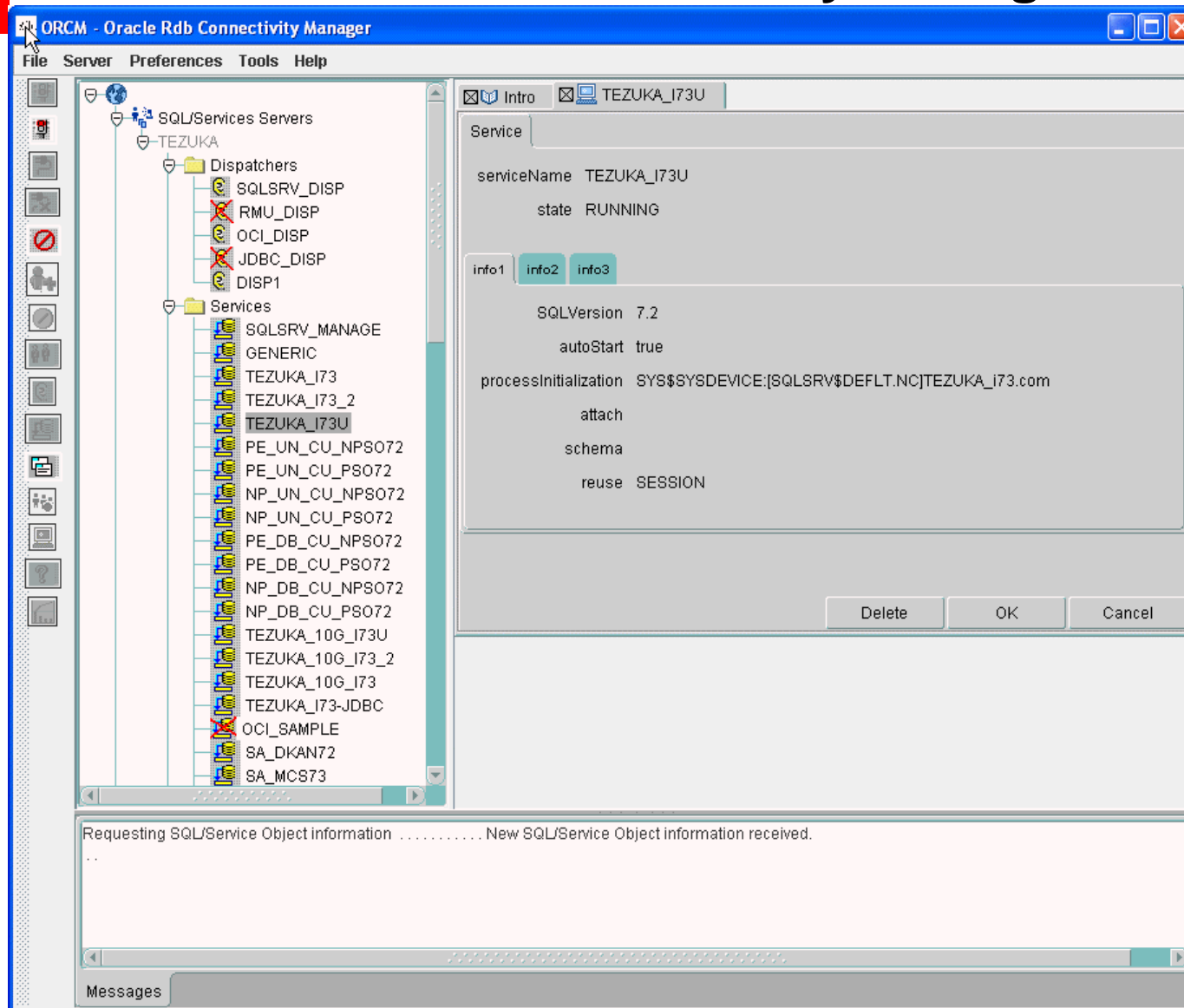
# Oracle Rdb Connectivity Management



# Oracle Rdb Connectivity Management




# Oracle Rdb Connectivity Management





## For More Information

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OR

- [www.oracle.com/rdb](http://www.oracle.com/rdb)
- [metalink.oracle.com](http://metalink.oracle.com)
- <http://www.hp.com/products/openvms>
- [Jim.murray@oracle.com](mailto:Jim.murray@oracle.com)

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