1.Instalare

Documentatia recomandata pentru instalare si configurare se poate gasi la sau <u>http://www.oracle.com/pls/db112/homepage</u> insa pentru a scurta un pic drumul am sa exemplific, in continuare, un mod ceva mai simplu (si mai direct) de instalare astfel incat sa putem ajunge in final la o aplicatie WinMENTOR ENTERPRISE functionala, folosind drept exemplu versiunea de Oracle 11gR2 si, ca sistem de operare, Windows XP Service Pack 3.

Mai intai de toate ne asiguram ca pe calculator nu mai exista o alta aplicatie de la Oracle. Daca exista o dezinstalam, stergem directoare, facem curatenie; in caz contrar ne putem complica putin existenta ceea ce nu ne propunem in aces ghid. Lansam setup.exe

🛓 Oracle Database 11g Release 2 Installer - Installing database - Step 1 of 9			
Configure Security	Updates		DATABASE 118
Configure Security L	Provide your email add and initiate configuration	dress to be informed of security issues, install th on manager. <u>View details</u> .	e product
Installation Option Grid Installation Options	E <u>m</u> ail:	Easier for you if you use your My (Oracle Support email address/username.
Install Type	Uwish to receive s	ecurity updates via My Oracle Support.	
Prerequisite Checks	My <u>O</u> racle Support	Password:	
♀ Summary ♀ Install Product			
- Finish			
Help			< Back Next > Finish Cancel

Debifam optiunea despectiva si mergem mai departe. Ne va apre un mesaj de atentionare ca am renuntat la acea optiune dar putem trece cu "Yes" peste el.

≜ Oracle Database 11g Release 2	Installer - Installing database - Step 2 of 9	<u>- 🗆 ×</u>
Select Installation Option		g
<u>Configure Security Updates</u>	Select any of the following install options.	
Grid Installation Option	 Oreate and configure a database 	
Install Type	O <u>U</u> pgrade an existing database	
Prerequisite Checks		
Install Product		
Help	< <u>B</u> ack <u>N</u> ext > Einish (Cancel

ecran1.2

In acest moment trebuie sa optam optiunea de instalare. Eu aleg doar instalarea softului pentru a exemplifica mai tarziu modul de creare a bezei de date. Se poate opta pentru prima optiune asa incat sa ne si creeze baza de date odata cu instalarea produsului.

≜ Oracle Database 11g Release 2	Installer - Installing database - Step 3 of 9	
Grid Installation Options		11 ^g
Configure Security Updates	Select the type of database installation you want to perform.	
Installation Option	Single instance database installation	
Grid Installation Options	<u>R</u> eal Application Clusters database installation	
Typical Installation		
Prerequisite Checks		
9 Summary		
Install Product		
O Finish		
Help	< Back Next > Finish	Cancel

Ecran 1.3

Optam pentru "Single instance database instalation" si mergem mai departe

Select Product Languages				1 g
Configure Security Updates Installation Option Cirid Installation Options Cirid Installation Options Product Languages Database Edition Installation Location Prerequisite Checks Summary Install Product Finish Eg	lect the languages in which your product will run. ailable Languages: abic engali azilian Portuguese Ilgarian unadian French talan coatian tech inish tch yptian glish (United Kingdom) tonian unish ench erman eek abrew ingarian	Selected Lang	juages:	
Help		< <u>B</u> ack	Next > Einish	Cancel

ecran 1.4

誊 Oracle Database 11g Release 21	Installer - Installing database - Step 5 of 10	
Select Database Edition		11 ^g
Configure Security Updates Installation Option Grid Installation Options Product Languages Database Edition Installation Location Prerequisite Checks Summary Install Product Finish	 Which database edition do you want to install? Enterprise Edition (3.27GB) Oracle Database 11g Enterprise Edition is a self-managing database that has the scalability, pehigh availability, and security features required to run the most demanding, mission-critical appl Standard Edition (3.23GB) Oracle Database 11g Standard Edition is a full-featured data management solution ideally suited needs of medium-sized businesses. It includes Oracle Real Application Clusters for enterprise-availability and comes complete with its own clusterware and storage management capabilities Standard Edition Qne (3.23GB) Oracle Database 11g Standard Edition One is a full-featured data management solution ideally suited needs of small and medium-sized businesses. Personal Edition (3.27GB) Supports single-user development and deployment that requires full compatibility with Oracle Edition 11g and Oracle Standard Edition 11g. 	rformance, ications. 4 to the class 5. suited to the nterprise
Help	< <u>B</u> ack <u>N</u> ext > Einist	h Cancel

ecran 1.5

alegem versiunea de oracle pentru care suntem licentiati si mergem mai departe.

≜ Oracle Database 11g Release 2 In	nstaller - Installing database - Step 6 of 10	
Specify Installation Location		11 ^g
Configure Security Updates Installation Option Grid Installation Options Product Languages Database Edition Installation Location Prerequisite Checks Summary Install Product Finish	Specify an Oracle base path to place all Oracle software and configuration-related files. This location Oracle base directory. Oracle Base: C:\app\Administrator Specify a location for storing Oracle software files. This location is the Oracle home directory. Software Location: C:\app\Administrator\product\11.2.0\dbhome_1	Browse
	< Back Next > Finish	Cancel

Ecran 1.6

Alegem calea de instalare si mergem mai departe...

≜ Oracle Database 11g Release 2 I	nstaller - Installing database - Step 9 of 10	
Install Product		ORACLE 118
Configure Security Updates Installation Option Grid Installation Options Product Languages	Progress 15% Extracting files to 'C: \app\Administrator\product\11.2.0\dbhome_1'.	
Prerequisite Checks Summary Install Product	Status → Oracle Database installation ✓ • Prepare → • Copy files • Setup files	In Progress Succeeded In Progress Pending
Finish		
	_	Details Retry Skip
	ORACLE 118 DATABASE 118 Grid Computing	Consolidate on Fast, Reliable, and Scalable Low-Cost Grids
Help	< <u>B</u> ac	k Next > Einish Cancel

ecran 1.7

🚔 Oracle Database 11g Release 21	installer - Installing database - Step 10 of 10	-D×
Finish		11 ^g
Configure Security Updates Installation Option Grid Installation Options Product Languages Database Edition Installation Location Prerequisite Checks	The installation of Oracle Database was successful. Note: Your database configuration files have been installed in C:\app\Administrator while other components s	elected for ir
Summary Install Product Finish		
Help	< <u>B</u> ack <u>N</u> ext > <u>Finish</u>	Close

ecran 1.8

Am terminat cu instalarea softului. Mai departe va trebui sa cream o baza de date folosind Data Base Configuration Assistant.

1. Crearea baze de date



ecran 2.1

Database Configuration Assist	ant, Step 1 of 12 : Operations	_ 🗆 🗙
	Select the operation that you want to perform: • Create a Database • Configure Database Options • Delete a Database • Manage Templates • Manage Templates • ASM configuration operations must be performed using Automatic Storage Manage Configuration Assistant (ASMCA) from Oracle Grid Infrastructure home.	ement
Cancel Help	<u> </u>	

ecran 2.2

Database Configuration Assistant, Step 2 of 12 : Database Templates

Templates that include datafiles contain pre-created databases. They allow you to create a new database in minutes, as opposed to an hour or more. Use templates without datafiles only when necessary, such as when you need to change attributes like block size, which cannot be altered after database creation.

	Select	Template	Includes Datafiles
	Q	General Purpose or Transaction Processing	Yes
	0	Custom Database	No
Yugenzigatamian Yugenzigatamian Wassichitamian	0	Data Warehouse	Yes
Андикатаралан как Андикатаралан как Андикатаралан как Андикатара Андикатари			
			Show Details
Cancel Help		BackNext	»)

ecran 2.3

Database Configuration Ass	istant, Step 3 of 12 : Databa	se Identification		_ 🗆 ×
	An Oracle database is un domain". Global Database Name: A database is referenced other instance on this con	iquely identified by a Globa winmdb2 by at least one Oracle inst nputer by an Oracle Syster	al Database Name, typica ance which is uniquely io n Identifier (SID).	ally of the form "name. dentified from any
	SID:	winmdb2		
Cancel Help)		🔇 Back 🛛 Next	<u>»</u>

ecran 2.4

Database Configuration Assista	nt, Step 4 of 12 : Management Options	
	Enterprise Manager Automatic Maintenance Tas	ks
	Configure Enterprise Manager	
	C Register with Grid Control for centralized management	
	Management Service No Agents Found	~
	Configure Database Control for local management	
	Enable Alert Notifications	
	Outgoing Mail (SMTP) Server:	
	Recipient Email Address:	
	Enable Daily Disk Backup to Recovery Area	
M	Backup Start Time: 02 🚽 00 🚽 🖱 AM	C PM
	OS Usemame:	
	OS Password:	
Cancel Help	<u> </u>	ack Next >

Database Configuration Assista	nt, Step 4 of 12 : Management Options	_	
ĺ	Enterprise Manager Autor	natic Maintenance Tasks	
	Configure Enterprise Manager		
	C Register with Grid Control for cen	tralized management	
	Management Service	No Agents Found	
	Configure Database Control for Ic	cal management	
	Enable Alert Notifications		
	Outgoing Mail (SMTP) Server:		
	Recipient Email Address:		
	Enable Daily Disk Backup to Re	covery Area	
	Backup Start Time:	02 👷 00 🗮 🔍 AM 🔿 PM	
	OS Username:		
	OS Password:		
Cancel Help		🔇 Back 🛛 Next >>	

ecran 2.6

Database Configuration Assistant	, Step 5 of 12 : Database C	redentials	
Fo	r security reasons, you mu: tabase.	st specify passwords for the follov	ving user accounts in the new
6	Use Different Administrat	ive Passwords	
	User Name	Password	Confirm Password
	SYS	***	***
	SYSTEM	*****	*****
	Use the Same Administra Password: Confirm Password:	tive Password for All Accounts	
Cancel Help		(Ba	ick Next >>

ecran 2.7

in functie de parolele pe care le introducem e posibil ca oracle sa ne atentioneze ca nu statisfac conditiile de securitate a parolelor; trecem peste acel mesaj de atentionare

Database Configuration Assis	tant, Step 6 of 12 : Database F	ile Locations	_ 🗆 ×
	Specify storage type and local Storage Type: Storage Locations: OUse Database File Location Use Common Location for Database Files Location: OUse Oracle-Managed File Database Area: Multiplex Redo Logs and If you want to specify d except Oracle-Manage location. If you use Orac database files, which	ions for database files. File System ons from Template or All Database Files C:\oradata s C:\oradata is ifferent locations for any database files, of Files and use the Storage page later t acle-Managed Files, Oracle automaticall can not be changed on the Storage page	Browse Browse Browse Browse
			File Location Variables
Cancel Help		S Back	<u>N</u> ext ≫) <u>Einish</u>

ecran 2.8

nfiguration Assi	stant, Step 7 of 12 : Recovery Config	juration	<u>_ ×</u>
	Choose the recovery options for th	e database:	
	Specify Flash Recovery Area		
	This is used as the default for a required for automatic disk bas the default for a the database files and recover, and performance.	all disk based backup and recovery operations, ar sed backup using Enterprise Manager. Oracle rec y files be located on physically different disks for d	nd is also ommends that ata protection
N.	Flash Recovery Area:	{ORACLE_BASE}\flash_recovery_ Brows	;e)
ſ.	Flash Recovery Area Size:	3852 M Bytes	3
	Enable Archiving	Edit Archive Mode Parameters)	
)	File Location	Din Variables)

ecran 2.9

Database Configuration Assista	nt, Step 8 of 12 : Database Content	_ 🗆 ×
	Sample Schemas Custom Scripts Sample Schemas illustrate the use of a layered approach to complexity, and are used by some demonstration programs. Installing this will give you the following schemas in you database: Human Resources, Order Entry, Online Catalog, Product Media, Information Exchange, Sales History. It will also create a tablespace called EXAMPLE. The tablespace be about 130 MB. Specify whether or not to add the Sample Schemas to your database. Sample Schemas	r e will
Cancel Help	🕓 Back 🔤 Ei	nish)

Memory Si	zing Chara	acter Sets Connection Mode	
Typical			
Memory Size (SGA and F	PGA): 516 MB	250 MP	1 201 MD
Vise Automatic Memo	40 % ry Management	Show Memory Distribution)	1291 MD
O Custom			
Memory Management	Automatic Shared	l Memory Management 🔍	
SGA Size:	387	M Bytes 👻	
PGA Size:	129	M Bytes 👻	
Total Memory for Oracle:	516 M Bytes		



Versiunea 11 de la oracle vine cu o optiune de securitate a parolelor, optiune care am vazut ca incurc mult operatorii WME. Asa ca in acest ecran o putem dezactiva. Click pe All Initialization Parameters

Γ	All Initialization Parameters				×
Í	Name	Value	Override Def	Category	
ĺ	db_create_online_log_dest_1			File Configuration	
	db_create_online_log_dest_2			File Configuration	
	db_domain		 ✓ 	Database Identification	
	db_name	winmdb2		Database Identification	
	db_recovery_file_dest	{ORACLE_BAS		File Configuration	
	db_recovery_file_dest_size	4039114752		File Configuration	
1	db_unique_name			Miscellaneous	
	instance_number	0		Cluster Database	
	log_archive_dest_1			Archive	
	log_archive_dest_2			Archive	
	log_archive_dest_state_1	enable		Archive	
	log_archive_dest_state_2	enable		Archive	2
	nls_language	AMERICAN		NLS	
	nls_territory	AMERICA		NLS	
	open_cursors	300	×	Cursors and Library	
	pga_aggregate_target	135266304		Sort, Hash Joins, Bit	
	processes	150	 	Processes and Sess	1
1	remote_listener			Network Registration	
	remote_login_passwordfile	EXCLUSIVE	 	Security and Auditing	
	sessions	115		Processes and Sess	
	sga_target	405798912		SGA Memory	
- [shared_servers	0		Shared Server	
	star_transformation_enabled	FALSE		Optimizer	
	undo_tablespace	UNDOTBS1	×	System Managed Un	
	3				
	(Show Advanced Parameters) Close Show Description Help				

ecran 2.12

Click pe Show Advanced Parameters si cautam parametruc sec_case_sensitive_logon si modificam valoare implicita din TRUE in FALSE

All Initialization Parameters				×
Name	Value	Override Def	Basic	Categor
redo_transport_user				Miscella
remote_dependencies_mode	TIMESTAMP			PL/SQL
remote_listener			×	Network
remote_login_passwordfile	EXCLUSIVE	×	×	Security
remote_os_roles	FALSE			Security
replication_dependency_tracking	TRUE			Distribut
resource_limit	FALSE			Resourc
resource_manager_plan				Resourc
result_cache_max_result	5			Miscella
result_cache_max_size	2129920			Miscella
result_cache_mode	MANUAL			Miscella
result_cache_remote_expiration	0			Miscella
resumable_timeout	0			Miscella
rollback_segments				System
sec_case_sensitive_logon	FALSE	\sim		Miscella
sec_max_failed_login_attempts	10			Miscella
sec_protocol_error_further_action	CONTINUE			Miscella
sec_protocol_error_trace_action	TRACE			Miscella
sec_return_server_release_banner	FALSE			Miscella
service_names				Network
session_cached_cursors	50			Cursors
session_max_open_files	10			Objects
sessions	115		 	Process
sga_max_size	851443712			SGA Mei
Hide Advanced Parameters Close Show Description Help				

ecran 2.13

Efectul acestei modificari este acela ca parolele si numele de utilizatori din baza de date nu vor mai fi "case sensitive". Daca nu ati facut aces lucru in momentul crearii baze de date, aceasta optiune mai poate fi dezactivata si apoi. Voi exemplifica mai incolo.

Database Configuration Assistant, Step 10 of 11 : Database Storage

⊝-<mark>⊡</mark>Storage Database Storage -ഡ്രീ Controlfile 🕒 Datafiles From the Database Storage page, you can specify storage parameters for database creation. 🕀 🛄 Redo Log Groups This page displays a tree listing and summary view (multi-column lists) to enable you to change and view the following objects: Control files Tablespaces Datafiles Rollback Segments Redo Log Groups From any object type folder, click Create to create a new object. To delete an object, select the specific object from within the object type folder and click Delete. Important: If you select a database template including data files, then you will not be able to add or remove data files, tablespaces, or rollback segments. Selecting this type of template enables you to change the following: Destination of the datafiles · Control files or log groups. For more information, refer to the Oracle Database Storage Administrator's Guide. Create Delete File Location Variables... Cancel Help 8 Back Next Einish

_ 🗆 🗵

Ecran 2.14

Database Configuration Assista	nt, Step 11 of 11 : (Creation Options		
	Select the database Create Datab Save as a Da Name: Description:	e creation options: base atabase Template vinmdb2		
	Generate Da Destination Directory:	atabase Creation Scripts	nmdb2\scripts	Browse
Cancel Help			<u> B</u> ack Ne	xt ≥) <u>Einish</u>



ecran 2.16

Pentru dezactivarea optiunii de securitate pe care am exemplificat-o mai sus putem face astfel:



ecran 2.17

in continuare vom mai dezactiva inca doua optiuni de securitate a parolei care am vazut ca pe majoritatea incurca:

```
    C:\WINDOWS\system32\cmd.exe - sqlplus / as sysdba
    Microsoft Windows XP [Uersion 5.1.2600]
    (C) Copyright 1985-2001 Microsoft Corp.
    C:\Documents and Settings\Administrator>sqlplus / as sysdba
    SQL*Plus: Release 11.2.0.1.0 Production on Thu Nov 4 15:48:52 2010
    Copyright (c) 1982, 2010, Oracle. All rights reserved.
    Connected to:
    Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - Production
    With the Partitioning, OLAP, Data Mining and Real Application Testing options
    SQL> ALTER PROFILE DEFAULT LIMIT PASSWORD_LIFE_TIME UNLIMITED;
    Profile altered.
    SQL>
        LIFE PROFILE DEFAULT LIMIT FAILED_LOGIN_ATTEMPTS UNLIMITED;
    Profile altered.
    SQL>
```

prima dintre ele are ca efect neexpirarea parolelor, implicit ele expira dupa 90 de zile (daca nu ma insel), iar a doua optiune inhiba blocarea contului utilizator daca acesta a gresit parola de prea multe ori.

Dupa crearea bazei de date urmeaza configurarea (si crearea dupa caz) a listener-ului si a clientilor. Nu voi prezenta aceste lucruri pentru ca sunt identice cu cele de pana acum (aceiasi pasi ca in configurarea pe oracle 10g).

3.Dezinstalare

Inainte de dezinstalarea propriuzisa a softului, trebuie sa stergem baza de date. Pentru aces lucru vom folosi acelasi utilitar pe care l-am folosit la crearea bazei de date.

📋 Database Configuration Assist	ant, Step 1 of 2 : Operations	
	Select the operation that you want to perform: Create a Database Configure Database Options <u>Delete a Database</u> Manage Templates ASM configuration operations must be performed using Automatic Storage Manage Configuration Assistant (ASMCA) from Oracle Grid Infrastructure home.	ement
Cancel Help		

Ecran 3.1

Database Configuration Assis	stant, Step 2 of 2 : Database	
	Select the database that you want to delete and specify a user with SYSDBA sy database files will be deleted.	rstem privilege. All
	Database: WINMDB2	
	Username:	
	Password:	
Cancel Help)	> <u>Einish</u>

ecran 3.2



ecran 3.3

Dezinstalarea softului e putin mai diferita decat pe 10 g. Trebuia sa rulam scriptul din calea

 $c:\app\Administrator\product\11.2.0\dbhome_1\deinstall\deinstall\bat$

Aceasta cale este specifica instalarii exemplicate mai sus. Fiecare va adapta in functie de calea de instalare.



Ecran 3.3





Aici apasam ENTER pentru ca baza de date tocmai am sters-o mai sus , deci nu mai avem nicio baza de date. Ne va mai intreba la un moment dat daca suntem sigur ca vrem sa dezinstalam...raspundem cu "y" ..si apoi gata