

INSTRUCTIUNI instalare Oracle Server/Client + Server/client WME:

1. Instalare Oracle Server:

Se dezarhiveaza continutul arhivei cu kitul Oracle 19: *WINDOWS.X64_193000_db_home.zip* intr-un subdirector din dir. creat anterior *OraApp*: d:*OraApp***Ora_home**\ unde se va instala si va rula Oracle.

Se ruleaza executabilul **setup.exe** din d:*OraApp***Ora_home**\ cu drepturi de administrator (click dreapta run as administrator):

🕌 Oracle Database 19c Installer -	Step 1 of 16 📃 🗖 🗙
Select Configuration Optio	n 19° ORACLE. Database
© Configuration Option	Select any of the following install options.
Database Installation Options	Create and configure a single instance database.
Install Type	This option creates a starter database.
Oracle Home User	Set Up Software Only
Installation Location	
Configuration Type	
Database Identifiers	Note 1: For RAC install, do 'Set Up Software Only' and then execute DBCA (Database Configuration Assistant) from the oracle home
Configuration Options	Note 2: To upgrade an Oracle Database, do 'Set Up Software Only' and then execute DBUA (Database Upgrade
Database Storage	Assistant) from the oracle home.
Management Options	
Recovery Options	
Schema Passwords	
Prerequisite Checks	
Summary	
Install Product	
5 Finish	
Help	< <u>Back</u> Install Cancel



<u>H</u>elp



🕌 Oracle Database 19c Installer - St	ep 4 of 9 📃 🗖 🗙
Specify Oracle Home User	19° DRACLE Database
Configuration Option Database Installation Options Database Edition	For enhanced security, you may choose to run Windows Services from this Oracle home with a non-administrator account. Oracle recommends that you choose a Virtual Account or specify a standard Windows User Account for this purpose.
Oracle Home liser	⊖ Use <u>V</u> irtual Account
	O Use E <u>x</u> isting Windows User
Prerequisite Checks	User Name:
♀ Summary	Password:
Install Product	○ <u>C</u> reate New Windows User
	U <u>s</u> er Name:
	P <u>a</u> ssword:
	Confirm Password:
	The newly created user is denied Windows logon privileges.
	Ŷ ⊙ Use Windows Buit-in Account
Help	< Back Next > Install Cancel

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< Back Next > Install Cancel



🛓 Oracle Database 19c Installer - St	₂p 5 of 9		-	□ X
Specify Installation Location			19° Data	RACLE [.] abase
Configuration Option Database Installation Options Database Edition	Specify a path This location is Oracle base:	to place all Oracle software and configuration-related files in the Oracle base directory for the installation owner.	nstalled by this installat	ion owner.
Oracle Home User	<u>_</u>			
Installation Location	This software	directory is the Oracle Database home directory.		
Prerequisite Checks Summary Install Product Finish	Software loca	tion: D:\OraApp\Ora_home		
Help		< <u>B</u> ack	<u>N</u> ext >Install	Cancel

🕌 Oracle Database 19c Installer - St	tep 6 of 9 — 🗖 🗙
Perform Prerequisite Check	s 19 ° DRACLE
Configuration Option Database Installation Options Database Edition Oracle Home User	Verifying that the target environment meets minimum installation and configuration requirements for products you have selected. This can take time. Please wait. 40% Checking Swap Size
Prerequisite Checks	
Summary Install Product Finish	
Help	< <u>B</u> ack Next> Install Cancel



🕌 Oracle Database 19c Installer - St	ep 7 of 9 – 🗖 🗙
Summary	19° ORACLE Database
Configuration Option Database Installation Options Database Installation Options Database Edition Oracle Home User Installation Location Prerequisite Checks Summary Install Product Finish	Oracle Database 19c Installer Global settings Oracle Home User: NT AUTHORITY\SYSTEM [Edit] Database edition: Standard Edition 2 (Set Up Software Only) [Edit] Oracle base: D:\OraApp [Edit] Software location: D:\OraApp\Ora_home Oral/TS Port Number: 49152
	Save Response File
Help	< <u>Back</u> <u>Mext</u> > <u>Install</u> Cancel

🕌 Oracle Database 19c Installer - Step	9 8 of 9	x 🗆 🔁
Install Product	19	C ORACLE Database
Configuration Option Database Installation Options Database Edition Oracle Home User	Progress 18% Copying files for 'Oracle Notification Service 19.0.0.0 '	
Instalation Location Prerequisite Checks Summary Install Product Finish	Status Configure Local Node Prepare Setup Setup Oracle Base	In Progress In Progress Pending Pending
	Details Revert All Details Revert All Details	Revert Retry Skip
Help	< <u>Back</u> <u>Next</u> >	Install Cancel

Se restarteaza serverul.



- 2. Creare baza de date
- din meniul de start, sub Oracle OraDB19home1 folosim Database Configuration Assistent:



실 Database Configuration Assistan	t - Application - Step 1 of 14	_ x
Select Database Operation		19° ORACLE Database
Database Operation	Select the operation that you want to perform.	
<u>Creation Mode</u>		
Deployment Type	O Configure an existing database	
Database Identification		
Storage Option		
Fast Recovery Option	O Manage templates	
Database Options	O Manage <u>P</u> luggable databases	
Configuration Options	O Oracle RAC database Instance management	
Management Options		
User Credentials		
Creation Option		
Summary		
Progress Page		
5 Finish		
Help	< <u>B</u> aci	<u>N</u> ext > <u>Finish</u> Cancel



\$	Database Configuration Assista	nt - Create a database - Step 2 of 14		□ x
Sel	ect Database Creation I	Node		RACLE [®] abase
φ	Database Operation	O Typical configuration		
0	Creation Mode	<u>G</u> lobal database name:	dbkris]
Ý	Deployment Type	Storage type:	File System]
	Database Identification Storage Option	Database files location:	{ORACLE_BASE}\oradata\{DB_UNIQUE_NAME}	B <u>r</u> owse
	Fast Recovery Option	Fast Recovery Area (FRA):	{ORACLE_BASE}\fast_recovery_area\{DB_UNIQUE_NAME}	Browse
-000	Database Options Configuration Options Management Options	Database <u>c</u> haracter set: Adminjstrative password:	AL32UTF8 - Unicode UTF-8 Universal character set	······································
0-0-0-0-0	User Credentials Creation Option Summary Progress Page Finish	Confirm gassword: Create as Container databas Pjuggable database name: O Advanced configuration	se]
	Help		< <u>Back</u> <u>N</u> ext>	Cancel

Alegem Advanced configuration.

4	Database Configuration Assista	nt - Create a database	e - Step 3 of 14	_	×
Sel	ect Database Deployme	nt Type		19° 	RACLE.
) 	Database Operation <u>Creation Mode</u>	Select the type of Database type:	database you want to create. Oracle Single Instance database	•	
◎ ← > →>→>→>→>→>→>→>→>→>→>→>	Deployment Type Database Identification Storage Option Fast Recovery Option Database Options Configuration Options User Credentials Creation Option Summary Progress Page Finish	Configuration type: Select a template f Templates that incl quickly. Use templa block size that can Data Warehou: General Purpo: Custom Databa	Admin Managed or your database. ude datafiles contain pre-created databases. They allow tes without datafiles only when necessary, such as wi not be altered after database creation. Template name se se or Transaction Processing ise D:\OraApp\Ora_home\assistants\dbca\templates	v you to create a new hen you need to chang Include datafiles Yes No	database je attributes like Details View details View details View details Change
	Help		< <u>B</u> ack	<u>N</u> ext > <u>F</u> init	sh Cancel

Alegem templete-ul: General Purpose or Transaction Processing.



4	Database Configuration Assistan	t - Create a database - Ste	ep 4 of 14		x
Sp	ecify Database Identificat	ion Details		19° ORACL Database	. e .
Ŷ	Database Operation Creation Mode	Provide a unique databa name, typically of the for	se identifier information. An Oracle database is u rm "name.domain".	niquely identified by a Global database	•
- -	Deployment Type	<u>G</u> lobal database name:	dbkris		
0	Database Identification	<u>S</u> ID:	dbkris		
	Storage Option Fast Recovery Option Database Options	Service name:	detabase		
	Configuration Options Management Options User Credentials Creation Option Summary Progress Page Finish	 Create as Container of A Container database database virtualizati ✓ Use Local Undo to Create an empty O Create an empty O Create a Contain Number of PDBs: PDB name: 	database se can be used for consolidating multiple databas on. A Container database (CDB) can have zero o tablespace for PDBs Container database er database with one or more PDBs	es into a single database, and it enable r more pluggable databases (PDB).	es
	Help		< <u>B</u> ack	Next > Einish Cano	cel

Se alege un nume pentru baza de date, *dbkris* in acest exemplu si se scoate bifa de la "Create as Container database".

🙆 Database Configuration Assistan	ıt - Create 'dbkris' database - Step	5 of 14	_ □ ×
Select Database Storage Op	ption		19° Database
 Database Operation Creation Mode Deployment Type Database Identification Storage Option Fast Recovery Option Database Options Configuration Options Management Options User Credentials Creation Option Summary Progress Page Finish 	 Use template file for database Storage type and location for Transaction Processing). Use following for the database All the database files will be p each datafile in the subseque Database files storage type: Database files location: Oracle Managed files option v simplified database managem Use Oracle-Managed Files 	storage attributes database files will be picked up from the e storage attributes ut at the specified location below. You can nt screen. File System D:OraData will enable Oracle to automatically generated ent. s (OMF)	specified template (General Purpose or an customize the name and location of Browse te the names of the datafiles for Multiplex redo logs and control files File location variables
Help		< <u>B</u> ack	<u>Next > Einish</u> Cancel

Se alege "Use following for the database storage attributes", se va crea si alege dir. unde se va regasi baza de date: d:*OraData*.

Select Fast Recovery Opti	on	19° ORACLE Database
 Database Operation Creation Mode Deployment Type Database Identification Storage Option Fast Recovery Option Metwork Configuration Configuration Options Management Options User Credentials Creation Option Summary Progress Page Finish 	Choose the recovery options for the database. Specify East Recovery Area Recovery files storage type: File System Fast Recovery Area: (ORACLE_BASE)\fast_recovery Fast Recovery Area size: 8256 MB	area\[DB_UNIQUE_NAME} Browse

Recomandarea noastra este sa activati optiunea "Enable archiving" dar *cu mentiunea* ca asta presupune mentenanta regulata pentru a controla spatiul pe disc ocupat de arhivele stocate in decursul timpului.

4	Database Configuration Assista	nt - Create 'dbkris' database - Step 7 of 14	x - x					
Sp	Specify Network Configuration Details 19° Database							
0-0-0-0-	Database Operation Creation Mode Deployment Type	Listener selection Listeners from current Oracle home are listed below. Specify the listener name an in current Oracle home.	d port to create a new listener					
	Database Identification Storage Option Fast Recovery Option	Name Port Oracle home	Status					
	Network Configuration							
	Configuration Options							
4	Management Options							
Ý	User Credentials							
-000	Creation Option Summary Progress Page Finish	✓ <u>C</u> reate a new listener Listener n <u>a</u> me: LISTENER Listener port: 1521 Oracle home: D:\OraApp\Ora_home						
	Help	< <u>B</u> ack	t> Einish Cancel					

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🕌 Database Configuration Assista	nt - Create 'dbkris' database - Step 8 of 14	x
Specify Configuration Optio	ons 19	C ORACLE Database
Database Operation Creation Mode Deployment Type Database Identification Storage Option	Memory Sizing Character sets Connection mode Sample schemas ● Use Automatic Shared Memory Management SGA size: 2444 + MB + 390 3259 PGA Size: 815 + MB + 390 3259 Use Manual Shared Memory Management 0 Use Manual Shared Memory Management	8149
Network Configuration Network Configuration Configuration Options User Credentials Creation Option Summary Progress Page	Shared pool size: 0 + MB + Buffer cache size: 0 + MB + Java pool size: 0 + MB + Large pool size: 0 + MB + PGA size: 0 + MB + Total memory for database 0 MB MB MB	
Help	O Use Automatic Memory Management Memory target: 3259 MB 390 3259 Sack Next >	39% 8149

Daca aveti un server dedicat Oracle si doriti sa adaugati mai mult ram serverului de Oracle puteti sa trageti de butonul deasupra cifrei cu 3259 MB (care este limita maxima in cazul meu si este la 40% din total ram system) intre 60 si 80%, de ex: *(total ram/100)*60 sau *80*, in functie de cat ram ramane pentru sistemul de operare (ar trebuie sa ramana intre 2 si 4 GB alocat in functie de versiune de OS).

🕌 Database Conf	📓 Database Configuration Assistant - Create 'dbkris' database - Step 8 of 14 🛛 🗖 🗙							x	
Specify Config	uration Option	ns				19		RACI abase	-e .
Database Oper Creation Mode Deployment Ty Database Ident Storage Option Fast Recovery <u>Network Confi</u> Onfiguration User Credentia User Credentia Creation Option Summary Progress Page Finish	ation pe ification Option auration ptions Is	Memory The databas O Use Unic Setting c Use OS g Characte Characte Databas National char Default jangu Default jerrite	Sizing (e character ode (AL32L character se character se er set is bas from the list se character racter set: lage: ory:	Character sets r set determines JTF8) at to Unicode (AI et (WE8MSWIN1: sed on the langu of character set w Show AL16UTF16 - I Romanian Romania	Connection mode how character data i .32UTF8) enables you 252) age setting of this ope ts F8 - Unicode UTF-8 U recommended chara	Sample schemas s stored in the databas to store multiple langua trating system.	e. age groups.		
Help						< <u>B</u> ack <u>N</u> ext >	• <u>F</u> inish	Ca	ncel

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Database Configuration Assistan	ns 19 ORACLE Database
 Database Operation Creation Mode Deployment Type Database Identification Storage Option Fast Recovery Option Network Configuration Configuration Options Wanagement Options User Credentials Creation Option Summary Progress Page Finish 	Specify the management options for the database. Configure Enterprise Manager (EM) database express EM database express port: 0MS host: 0MS port: EM admin username: EM admin password:
Help	t - Create 'dbkris' database - Step 10 of 14 – – × dentials
Database Operation Creation Mode Deployment Type Database Identification Storage Option	You must specify passwords for the following user accounts in the new database for security reasons. Use different administrative passwords Password Confirm password SYS
Fast Recovery Option Network Configuration Configuration Options Management Options User Credentials Creation Option Summary	Use the same administrative password for all accounts Password: eeeeeeee <u>C</u> onfirm password:
Progress Page Finish	

- se alege o parola pentru baza de date (trebuie sa includa 8 caractere alfanumerice: cel putin un caracter cu majuscula, unul cu minuscula si cel putin o cifra).

< Back Next >

<u>F</u>inish

<u>H</u>elp

Cancel



🛃 Database Configuration Assistant - Create 'dbkris' database - Step 11 of 14					
Select Database Creation	Option 19° DRACLE				
Database Operation Creation Mode Deployment Type Database Identification Storage Option	Select the database creation options. ✓ Create database Specify the SQL scripts you want to run after the database is created. The scripts are run in the order listed below. Post DB creation scripts: Browse				
Fast Recovery Option Network Configuration Configuration Options Management Options <u>User Credentials</u> Creation Option	Save as a database template Template name: dbca_template_2021-04-20_05-41-22PM Template location: D\OraApp\Ora_home\assistants\dbca\templates\ Description:				
Progress Page	Generate database creation scripts Destination directory: [ORACLE_BASE]\admin\[DB_UNIQUE_NAME]\scripts Browse Following advanced configuration options can be used to configure initialization parameters and customize database storage locations. All Initialization Parameters				
Help	< <u>Back</u> <u>Next></u> Enish Cancel				

🕌 Database Configuration Assistant	- Create 'dbkris' database - Step 12 of 14
Summary	19° ORACLE Database
Database Operation Creation Mode Deployment Type Database Identification Storage Option Fast Recovery Option Network Configuration Configuration Options Management Options User Credentials Creation Option Summary Progress Page Finish	Obtabase Configuration Assistant Global Settings Global database name: dbkris Configuration type: Oracle Single Instance database SID: dbkris Create as Container database: NO Database Files Storage Type: File System Memory Configuration Type: Automatic Shared Memory Management Template name: General Purpose Initialization Parameters audit_frie_dest: {ORACLE_BASE}\admin\{DB_UNIQUE_NAME}\adump audit_trail: db compatible: 19.0.0 control_files: ('D':\OraData\{DB_UNIQUE_NAME}\control01.ctf', 'D:\OraData\{DB_UNIQUE_NAME}\control01.ctf', 'D:\OraData\{DB_UNI
Help	< <u>Back</u> <u>N</u> ext> <u>Finish</u> Cancel



Progress Page Progress Page Progress Page Progress Page Prish DEC Log Location Details as reader of the context o	🛓 Database Configuration Assistar	nt - Create 'dbkris' database - Step 13 of 14	x
Database Operation Creation Mode Deployment Type Database Identification Storage Option Fast Recovery Option Network Configuration Configuration Options Management Options User Credentials Creation Option Summary Progress Page Finish DBCA Log Location: DBCA Log Location: DBCA Log Location: DBCA Log Location: DivraApple/gtoollogs/dbca/dbkris/trace.log_2021-04-20_05-41-22PM	Progress Page	19° DRACL	-e.
 Fast Recovery Option Network Configuration Configuration Options Management Options User Credentials Creation Option Summary Progress Page Finish 	Database Operation Creation Mode Deployment Type Database Identification Storage Option	Progress 10% Copying database files : In Progress Status	
Progress Page Finish DBCA Log Location: D:\OraApp\cfgtoollogs\dbca\dbkris\trace.log_2021-04-20_05-41-22PM	 Fast Recovery Option Network Configuration Configuration Options Management Options User Credentials Creation Option Summary 	→ DB Creation In Progress ✓ • Prepare for db operation Succeeded → • Copying database files In Progress • Creating and starting Oracle instance Pending • Completing Database Creation Pending • Executing Post Configuration Actions Pending	
	Progress Page Finish	DBCA Log Location: D:\OraApp\cfgtoollogs\dbca\dbkris\trace.log_2021-04-20_05-41-22PM	

Instalarea de server vine implicit si cu instalarea de client la pachet, deci pe server nu mai este nevoie de instalare de client, exceptie facand cazul in care ati instalat OracleServer64b si doriti sa folositi si un client de 32b pe langa cel de 64b deja instalat.

Dupa ce s-a terminat operatiunea de creare a bazei de date este recomandat inca un restart system.

Nota:

Este recomandat sa deschideti in firewall portul sub care ati instalat baza de date Oracle, default este 1521, de asemenea s-au intalnit cazuri in care a fost nevoie si de executabilul oracle.exe sa fie adaugat in whitelist in firewall (d:\OraApp\Ora Home\bin\oracle.exe in exemplul meu).

2. Instalare WME Server:

Urmeaza sa va configurati serverul de WME pe serverul de Oracle:

- creati un dir. WME de preferat de asemenea pe o partitie diferita de C. ex.: d:\WME
- configurati *dbparams.ini*, in cazul meu:



- instalati driverul de cheie de protectie (<u>http://ftp.winmentor.ro/WMEnterprise/Tools/hasp/</u>)



- configurati nethasp.ini cu adresa IP a serverului Dvs., unde ati instalat driverul si cheia de protectie.



- verificati ca in fisierul *PROTECT.DA T* sa aveti tipul de cheie de protectie pentru care ati optat

💽 PROTECT.DAT - Notep —	×
<u>F</u> ile <u>E</u> dit F <u>o</u> rmat <u>V</u> iew <u>H</u> elp	
NETHasp10 Protection LOG1/600	0
<	>
100% Windows (CRLF) UTF-8	

- copiati toate executabilele necesare WinMService.exe, WMEnterprise.exe si Martor.ZIP, SERVICE.ZIP
- rulati WMInstaller.exe si bifati toate 3 optiuni configurare BD, start:

WinMEI						
Server Info						
Host						
Versiune						
Baza de date						
Optiuni Conf	iqurare BD					
Creare tables	ace-uri de tin RioFile					
Parolele - viat	a nelimitata					
	to - polimitat					
	<u>te - nemintat</u>					
	••• •					
						
	Start					
	Stiva de m	esaje				
	•	2 Debug	Beep NoMsg	AutoSalvare SQL	Q Q 🚱	×
	Administrar	WMEnterprise		A	Raman liniile care	contin:
					D .	
					Acces respins	
						^
						~
				×	<	>

- s-a creat userul cu care veti lucra pentru administrarea bazei de date, username WinMAdmin si password default: 1





Folosim WinMService.exe pentru configurarea firmelor, userilor, grupurilor de useri si drepturile aferente fiecarei firme in parte.

WINNENTOR EXTERNISE W/ME General incasta optione	dministrare Operatii Date Diverse		DataBase: dbkris / Server: DO	RACLE (Oracle Datab
Pres Sing Last Singet 7 Press Introdu condition FLU Verily 7 Press Introdu condition FLU Singet 3 Press Press	Activit Happ Bloc Save Rest	an Capy Job Mes	Salvez	
Verg 5	Hume prescurtat ID Firma An Start 2021 Persoana fizica ? Vizibila comenzi online ? Firma este o baza de date WRRetail	Structura pentru generare 7 Orar badup destart firms 7 Cate arthive de backup pastrez	Frima porsite 7 Frima deposit DWH 7 Parole Firm	10
	Date generale	Diverse	eMail, SMS, RestServer	
	Administrator Nume	Bloc Scare	Nr	
(Versiunea 2,41/1 64bit				

Dupa ce finalizam aceste operatiuni putem sa trecem la statiile-clienti de WME unde in prima faza vom instala clientul de Oracle.



3. Instalare Oracle client si client WME pe statii:

Rulam setup.exe cu drepturi de administrator cu type *Administrator* daca dorim sa avem tooluri de management pentru clientii Oracle, daca nu, se poate instala cu type *Instant client*:

🕌 Oracle Database Client 19c Instal	ler - Step 1 of 7 — 🗆	×
Select Installation Type	19 ^c ORACLO Database	Ε.
Select Installation Type Oracle Home User Selection Specify Installation Location Perform Prerequisite Checks Summary Install Product Finish	What type of Installation do you want? Administrator (1.5GB) Installs the management console, management tools, networking services, utilities and basic client software. Buntime (1.1GB) Installs tools for developing applications, networking services and basic client software. Ingtant Client (350.0MB) Installs Instant Client Software Custom Enables you to choose individual components to install. 	
Help	< <u>B</u> ack Next> Install Cance	el





Alegem locul unde vom instala clientul de oracle:

▲ Oracle Database Client 19c Installer - Step 2 of 6				×
Specify Installation Location	19°	OR Data	base	-E.
Select Installation Type Specify Installation Location Perform Prerequisite Checks Summary Install Product Finish	Specify a location for storing Oracle software files. This location is the Oracle home direct Software location	ory.	Brows	
Help	< <u>B</u> ack Next>	Install	Ca	ncel

🕌 Oracle Database Client 19c Instal	er - Step 5 of 6	– 🗆 X
Install Product		19° ORACLE Database
Select Installation Type Specify Installation Location Perform Prerequisite Checks Summary	Progress Updating Libraries	3%
Finish	Status Oracle Client Installation Copy files Setup	In Progress Succeeded Pending Pending
	19° ORACLE Database	Details Reyert All Revert Retry Skip
Help		<back next=""> Install Cancel</back>



Urmatorul pas este crearea unui director WME, unde vom copia executabilele WMEnterprise necesare alaturi de *dbparams.ini*, *nethasp.ini* si *protect.dat* asa cum au fost configurate si pe server (vezi pagina <u>12</u> si <u>13</u>).

Ultimul pas este configurarea fisierului *tnsnames.ora* cu datele de conectare catre server, poate fi copiat de pe server din *d:\OraApp\Ora_Home\network\admin* in exemplul meu.



La HOST se poate pune *numele* serverului daca este cu ip dinamic sau *Ip*-ul serverului daca este cu *Ip* fix.

Si acum:

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 Kris * 		
	DORACLE	s
	WMEnterprise 21.025/1 64bit	
H A A A A A A A A A A A A A A A A A A A	ORACLE	
wme.ro	Engage	

Engage!