Oracle®

Getting Started with Database Mobile Server (DMS)

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Getting Started

This guide provides information for downloading and installing the Database Mobile Server (DMS) and its dependencies. DMS uses a middle-tier Application Server to communicate between the mobile clients and the backend Oracle database. Different Application Servers are supported for DMS, including Oracle WebLogic Suite, Oracle Glassfish, Apache TomEE. See the sections below:

- Installation of Java Development Kit (JDK)
- Installation Packages (for Windows)
- Installation of Oracle Database Express Edition (Oracle Database XE)
- Installation of Glassfish
- Installation of Database Mobile Server (DMS)
- Installation of Mobile Development Kit (MDK)

The following sections provide information on the transport demo and a review of the key installation steps:

- Transport Demo
- Summary

1. Installation of Java Development Kit (JDK)

There are two types of JDK for Windows:

- Windows x86 for 32bit
- Windows x64 for 64bit

DMS supports both of them. To download JDK, go to:

http://www.oracle.com/technetwork/java/javase/downloads/index.ht ml

Double click on the *Installation Executable* and go through the required installation steps. By default, after the installation, you can find the JDK in *C:\Program Files\Java or C:\Program Files(X86)\Java*

2. Installation Packages (for Windows)

Install and run the following products:

• Oracle Database Express Edition (Oracle Database XE):

http://www.oracle.com/technetwork/database/database-technologies/express-edition/downloads/index.html

Oracle Glassfish: http://www.glassfish.java.net/downloads/3.1-final.html

(glassfish-3.1-windows.exe)

DMS:

http://www.oracle.com/technetwork/database/database-technologies/database-mobile-server/downloads/index.html

Note: To install and run all the above products, first, you need to install the latest JDK 6 or JDK 7.

2.1 Installation of Oracle Database Express Edition (Oracle Database XE)

To install Oracle Database XE, follow the steps below:

1. Extract Oracle Database XE ZIP package in the current directory. You will get directory DISK1. Double click *DISK1\setup.exe* to install Oracle XE (see, Figure 1).

Figure 1

Welcome Screen of Oracle Database XE Install Wizard



2. On the "License Agreement" screen, choose "I accept the terms in the license agreement", then click "Next" (see Figure 2).

License Agreement

License Agreement Please read the following license agreement carefully. Oracle Technology Network Developer License Terms for Oracle Database Express Edition	
Oracle Technology Network Developer License Terms for Oracle Database Express Edition	-
for Oracle Database Express Edition	
Export Controls Export laws and regulations of the United States and any other relevant local export laws and regulations apply to the programs. You agree that such export control laws govern your use of the Program (including technical data) and any services deliverables provided under this agreement, and you agree	-
I accept the terms in the license agreement Prin	t
C I do not accept the terms in the license agreement	

3. On the "Choose Destination Location" screen, click "Browse..." to select the path to install Oracle Database XE, as shown in Figure 3.

Figure 3

Choose Destination Location

Oracle Database 11g Express E	dition - Install Wizard	×
Choose Destination Location	n	ORACLE
Select folder where setup will in	stall files.	CATABAGE Express Extrog
Setup will install Oracle Databas	se 11g Express Edition in the following	ı folder.
To install to this folder, click Ne another folder.	xt. To install to a different folder, click	Browse and select
Oracle Database 11g Expres	ss Edition	563556 K
Destination Folder		
C:\oraclexe\		Browse
Space Required on C:	563556 K	
Space Available on C: InstallShield	103614976 K	
	Back	Next Cancel

4. On the "Specify Database Password" screen, enter password for both the SYS and the SYSTEM database accounts, as shown in Figure 4. Keep note of these as they will be required throughout the rest of the DMS setup process.

Specify Database Passwords

Oracle Database 11g	Express Edition - Ins	stall Wizard	×
Specify Database	Passwords		DATABASE EXPRESS EDITION
Enter and confirm pas the SYSTEM databas	swords for the database. e accounts.	This password will be use	d for both the SYS and
Enter Password	•••••		
Confirm Password	•••••		
InstallShield		Back N	ext Cancel

5. The "Summary" page shows current installation setting (before proceeding with the installation), as shown in Figure 5. If all the settings are as expected, click "Install" to start the installation, as shown in Figure 6.

Figure 5

Summary

acle Database 11g Express Edition - Insta	ll Wizard	×
Summary Review settings before proceeding with the inst	tallation.	CRACLE DATABAS EXPRESS EDITION
Current Installation Settings:		
Destination Folder: C:\oraclexe\ Oracle Home: C:\oraclexe\app\oracle\product Oracle Base:C:\oraclexe\ Port for 'Oracle Database Listener': 1521 Port for 'Oracle Services for Microsoft Transact Port for 'Oracle HTTP Listener': 8080	t\11.2.0\server\ tion Server': 2030	*
		¥ •
talishteld.	Back Insta	II Cancel

Installation Process

Oracle Database 11g Express Edition - Install Wizard	×
Setup Status	CRACLE DATABASE EXPRESS EDITION
The InstallShield Wizard is installing Oracle Database 11g Express Edition	
InstallShield	
	Cancel

6. End of installation, click "Finish", as shown in Figure 7.

Figure 7

Installation Complete

Oracle Database 11g Express Edition - Install Wizard				
	InstallShield Wizard Complete			
	Setup has finished installing Oracle Database 11g Express Edition on your computer.			
DATABASE EXPRESS EDITION				
	Back Finish Cancel			

7. After installation, the "Install Wizard" will create a shortcut on the desktop, as shown in Figure 8.

Oracle Getting Started Page



8. Double click this shortcut and it will run the default internet browser and show the home page of Oracle Database XE, as shown in Figure 9. Click the link on the home page to check the status of database.

Figure 9

Home Page of Oracle Database XE

torage iew currently used storage.	Storage > Links > Online Help
eessions iew current database sessions.	Sessions > Cracle Technology Network Oracle Surger Edition
arameters iew initialization parameters.	Parameters > Social e Application Express Social e Application Express Social e Developer 11g Pre-built Developer VMs
pplication Express et started with Oracle Application Express.	Application Express >
ws	OTN News
age: English, Português (Brasil), 中文(简体), 日本語	

2.2 Installation of Glassfish

To install glassfish, follow the steps below:

1. Double click *glassfish-3.1-windows.exe* to start installation. On the "Introduction" page, click "Next" to proceed (see, Figure 10).

Introduction

🚯 GlassFish Server Open Sc	purce Edition	_ [] ×
Closeful Server Open S introduction Installation Type Install Directory JDK Selection Update Tool Ready To Install Progress Config Results Summary	Introduction Introduction Welcome to the GlassFish Server Open Source Edition installation. This is a tool for installing GlassFish Server Open Source Edition. GlassFish Server is a production ready Java EE 6 compliant application server developed under an open source license. Benefits include a modular, runtime that minimizes resource consumption, an easy-to-use administration console, a feature-rich command line tool,centralized administration and high-availability clustering. GlassFish Server is also the fastest open source application server available. Please visit GlassFish Project Page for more information.	
ORACLE [®] Created by Oracle with	Please click Next to proceed.	
contributions from the GlassFish community	Cancel Back Next]

2. Choose "Installation Type". Here, we choose the default type "Typical Installation", as seen in Figure 11.

Figure 11

Installation Type

C min A	Installation Type
ntroduction Installation Type Install Directory pdate Tool eady To Install rogress onfig Results ummary	Choose installation type. Typical Installation Installs a GlassFish Server management domain; ideal for development or non business critical use. Please make sure that the ports 4848 and 8080 are free. Custom Installation Offers the option to install the binaries only, a management domain, a stand alone instance or a cluster. This option is ideal for production deployments.
Created by Oracle with contributions from the GlassFish community	

3. On the "Install Directory" screen, click "..." to select the path to install Oracle Glassfish. Click "Next" as shown in Figure 12.

Install Directory

GlassFish Server Open S	ource Edition	_ O ×
Citizen 1	Install Directory	
nstallation Type nstall Directory Jpdate Tool Ready To Install		
Progress Config Results Summary	GlassFish Server will be installed into the specified directory. You may sp different directory or click the Browse to select a directory. Installation Directory C:\glassfish3	vecify a
	If the specified installation directory does not exist, the installer will create	it for you.
Created by Oracle with contributions from the Glassifish community		
	Cancel	Next

4. On the "Update Tool" screen, you can check for glassfish updates periodically or you can disable it, as shown in Figure 13.

Figure 13

Update Tool

Glassfish Server Open	Source Edition	
Introduction	Update Tool	
Installation Type Install Directory Update Tool Ready To Install Progress Config Results Summary	The Update Tool periodically checks for GlassFish Server updates; enabling you to stay up-to-date with the latest builds.	
ORACLE"		
contributions from the GlassFish community	Cancel Back Next]

5. The "Ready To Install" screen shows the current installation setting before proceeding with the installation, as shown in Figure 14.

Figure 14

Ready to Install

🛃 GlassFish Server Open !	Source Edition	
() () ()	Ready To Install	
Introduction		
Installation Type		
Install Directory		
Update Tool		
Ready To Install		
Progress		1. Sec.
Config Results	GlassFish Server Open Source Edition	
Summary	Install Update Tool Bootstrap Install GlassFish Server v3.1 Install vinistallation Software Configure Update Tool Bootstrap Configure GlassFish Server v3.1	
ORACLE		
contributions from the GlassFish community		
	Cancel	ck Install

6. The installation process begins, as shown in Figure 15.

Figure 15

Installation Process

lassFish Server Open Source Edits	n	
() ()		
Progr	ess	
roduction tallation Type tall Directory date Tool	GlassFish- Server Open Source Edition	
ady To Install	Commercial Support	
nfig Results mmary	 24 x 7 x 365 support Patch access GlassFish Server Control for improved performance and manageability Includes support for HotSpot JVM and Oracle JRockit 	
Regis	tered Uninstallation Software	
Created by Oracle with contributions from the liassfish community	40% Time Remaining 00:00:16	
Car	Back	Next

7. For the configuration results and summary, see Figure 16 and Figure 17.

Figure 16

Configuration Result

oduction tallation Type	The configuration has failed. Please see the output below.
all Directory late Tool	PERFORMING THE REQUIRED CONFIGURATIONS
ady To Install	
ogress	CREATING DOMAIN
nfig Results	Executing command :C:\glassfish3\glassfish\bin\asadmin.batuser.admin
mmary	passwordnie C:\Users\haliang\AppData\Local\Temp\2\glassfish-3.1-windows.exe2\asadmi nTmp956539004024467909.tmp create-domainsavelogin checkports=falseadminport 4848instanceport 8080 domainproperties=jms.port=7676:domain.jmxPort=8686:orb.listener.port=3 700:http.ssl.port=8181:orb.ssl.port=3820:orb.mutualauth.port=3920 domain1 C:\glassfish3\glassfish\bin\asadmin.batuser adminpasswordfile C:\Users\haliang\AppData\Local\Temp\2\glassfish-3.1-windows.exe2\asadmi nTmp1370961334360336840.tmp create-domainsavelogin checkports=falseadminport 4848instanceport 8080 domainproperties=jms.port=7676:domain.jmxPort=8686:orb.listener.port=3
DDACL CT	700:http.ssl.port=8181:orb.ssl.port=3820:orb.mutualauth.port=3920

Figure 17

Summary

ilassFish Server Open S	Source Edition	-10
C 1000 1		
<u> </u>	Summary	
roduction		
tallation Type		
tall Directory		
data Taol		
date 1001	Overall Status: Incomplete	
ady to install	Please see the detailed summary report for an overview of this session, including next steps for using	
ogress	this installation. Please see the log file for detailed information.	
nfig Results		
mmary	2013-12-06-02-24-install-summary.html	
	2013-12-06-02-24-Install.log Droduct Name Statue	
	Lindate Tool Bootstran Installed	
	GlassFich V3 Installed	
	Uninstallation Software Installed	
	Undate Tool Rootstran, Not Configured	
	GlassFish V3 Configured	
	and the second	
reated by Oracle with		
ontributions from the ilassFish community		
	Desire Pair	
	Back	

2.3 Installation of Database Mobile Server (DMS)

To install DMS, follow the steps below:

1. Extract Oracle DMS ZIP package in the current directory. Double click <DMS_ home>/ \Disk1\install\win32\setup.exe to start installation. If your CPU is 64bit, run <DMS_home>/ \Disk1\install\win64\setup.exe instead, where DMS_home is the directory extracted from the ZIP package (see, Figure 18).

Figure 18

Welcome Screen

			ORACLE 118
Welcome			DATABASE MOBILE SERVER
The Oracle U Oracle produ	niversal Installer guide cts.	es you through the inst	tallation and configuration of your
Click "Installe	d Products" to see a	all installed products.	
			Deinstall Products)

2. Choose "Mobile Server" and click "Next", as seen in Figure 19.

Figure 19

Select Mobile Server

Select Inst Oracle Datab	allation Type ase Mobile Server 11	g 11.3.0.0.0		CLE BILLE SERVER 11 8
What type of ins Mobile Server This option installs	stallation do you want? (453MB) Oracle Database Mobile Server			
Mobile Develo This option installs Custom This option allows	opment Kit (302MB) the Oracle Mobile Development I users to install individual compo	Kit including the Oracle I	Nobile Client r advanced users only	
Help)	(Installed Products)	Back	P Next (n	roduct Languages) stall Cancel

3. On the "Specify Home" screen, as seen in Figure 20, enter the name for your Mobile Server installation, and path where you want to install Oracle Database Mobile Server.

Note: You must choose an empty directory to install Mobile Server. If the installation location you specified is not empty, you will get a warning.

Figure 20

Specify Home Details

COPACLE DATABASE MOBILE SERVER	racie	onversarins	taller: Specify Home Det	alls		
estination ter or select a name for the installation and the full path where you want to install the product. ame: MobileServer11gR3_3 th: C10raHome 3					OR	ACLE 1
estination Iter or select a name for the installation and the full path where you want to install the product. ame: MobileServer11gR3_3	pe	cify Hom	ne Details		DATABASE I	MOBILE SERVER
ther or select a name for the installation and the full path where you want to install the product. ame: MobileServer11gR3_3 th: C10raHome_3	estir	nation				
ame: MobileServer11gR3_3	nter o	r select a nam	ne for the installation and	the full path where	you want to install th	ne product.
COraHome 3	ame:	MobileServe	r11gR3_3			
Didition of the second s	atn:	C:\OraHome	9_3			Browse
						and the second se

4. Click "Yes" to "Launch Repository Wizard" in order to install the Mobile Server repository. Click "Next". See Figure 21.

Mobile Server Repository Configuration

😸 Oracle Universal In	istaller: Mobile Server Repo	ository Configuration		_ 🗆 🗙
Mobile Serv	ver Renository (opfiguration	ORACLE DATABASE MOBILE SERVER	11 ^g
Woble Ser	ver repository c	Johnguration		
Launch Repository	Wizard?			
Yes				
C No				
Select Yes if you wa	ant to run the Repository Wiz	ard, which installs the l	Mobile Server Repository as we	las
configures and regi	isters the Mobile Server.			
Help)	Installed Products)	Back	Next) (Install)	Cancel)

5. Click "Yes" or "No" to indicate if you want the demo applications to be installed on the server. Click "Next", as shown in Figure 22.

Figure 22

Mobile Server Demo Application Configuration

Mobile Server Demo Ap	
Install the Demo Applications?	
⊂ Yes	
[●] No	
Select Yes if you want to copy the demo	application files to your ORACLE_HOME directory.

6. On the "Specify Application Server Home" screen, select the installation directory of your application server. Set the Application Server Home to *C*:\glassfish3\glassfish, where *C*:\glassfish3 is the base installation directory for Glassfish Server, as shown in Figure 23.

Figure 23

Specify Application Server Home

🗽 Oracle Universal Insta	aller: Specify Application S	Server Home		
Specify Appli	cation Server F	lome		SERVER 11 <i>g</i>
Please select the loca	tion of application server			
Application Server Ho	me C:\glassfish3\glassf	fish]	Browse
Help (Installed <u>Products</u>)	Back	Next Install	Cancel

7. On the "Specify JDK Home" screen, select a JDK installed on your machine, as shown in Figure 24.

Figure 24

Specify JDK Home

Specify JDK Home	DATABASE MOBILE SERVER 118
Please select a JDK installed on your machine	
JDK Home C:\Program Files\Java\jdk1.7.0_45	Browse)

8. On the "Summary" page, click "Install" to start the installation of Mobile Server, as shown in Figure 25.

Figure 25

Installation of Mobile Server

acle Database Mobile Server 11g 11.3.0.0.0 Global Settings -Source: C:\Users\haliang\Desktop\caiyiming\DMS_11.3.0.1.0_WINDC -Oracle Home: C:\OraHome_3 (MobileServer11gR3_3) -Installation Type: Mobile Server Product Languages -English Space Requirements -C:\Required 557MB (includes 102MB temporary) : Available 91.58GB New Installations (15 products) -Installations (15 products)	W8_140305\Disk1\stage\prod
•Global Settings •Source: C:\Users\haliang\Desktop\caiyiming\DMS_11.3.0.1.0_WINDC •Oracle Home: C:\OraHome_3 (MobileServer11gR3_3) •Installation Type: Mobile Server •Product Languages •English •Space Requirements •C:\Required 557MB (includes 102MB temporary) : Available 91.58GB •New Installations (15 products) •Linetallor SDK Component 11 2:0.2.0	40305\Disk1\stage\prod
 Source: C:\Users\haliang\Desktop\caiyiming\DMS_11.3.0.1.0_WINDC Oracle Home: C:\OraHome_3 (MobileServer11gR3_3) Installation Type: Mobile Server Product Languages English Space Requirements C:\ Required 557MB (includes 102MB temporary) : Available 91.58GB New Installations (15 products) 	WS_140305\Disk1\stage\prod
Oracle Home: C:\OraHome_3 (MobileServer11gR3_3) Installation Type: Mobile Server Product Languages English Space Requirements C:\Required 557MB (includes 102MB temporary) : Available 91.58GB New Installations (15 products) Linstallations (15 products)	
Installation Type: Mobile Server Product Languages English Space Requirements C:: Required 557MB (includes 102MB temporary) : Available 91.58GB New Installations (15 products)	
Product Languages Lenglish Space Requirements LC:: Required 557MB (includes 102MB temporary) : Available 91.58GB New Installations (15 products) Linetallar SDK Component 11 2:0.2.0	
Lenglish Space Requirements C:: Required 557MB (includes 102MB temporary) : Available 91.58GB New Installations (15 products)	
Space Requirements C:\Required 557MB (includes 102MB temporary) : Available 91.58GB New Installations (15 products)	
C:\Required 557MB (includes 102MB temporary) : Available 91.58GB New Installations (15 products)	
New Installations (15 products)	
Linctallar 8DK Company 11 2 0 2 0	
Java Runtime Environment 1.5.0.11.0	
Oracle Database Mobile Server 11.3.0.0.0	
-Oracle Database Mobile Server 110 11 3 0 0	
	D

9. Provide the URL for the backend Oracle database for the Mobile Server repository, as shown in Figure 26.

Host Name: localhost (the hostname/IP of machine where Oracle Database XE is installed)

Port Number: 1521 **SID**: xe

Provide Repository Database Information

🕌 Mobile Server Repository	/ Wizard	
	Please provide the Repository Database Information :	
	Host Name : localhost	
	Port Number : 1521	
	C Service :	
	Enter Custom JDBC URL :	
A Company		A
		_
Help	< Back Next >	Finish Cancel

10. The Repository Wizard asks for a database user name and password. Use these details to connect to the backend database. Create the schema and assign database privileges for the Mobile Server schema.

Here we use user SYSTEM created during the installation of Oracle Database XE since it has database administrative privileges, as shown in Figure 27.

Figure 27

Specify Username/Password

Mobile Server Repository Wiz	ard	_ 🗆 X
	Enter Database Administrator Account information. Select help to see the privileges required.	
	Database Administrator username and password Username : SYSTEM	
	Password : ******	
Help	< Back Next > Finish	Cancel

11. Since there is no existing DMS repository in our Oracle Database XE, click "Next" to install a new one, as shown in Figure 28.

Figure 28

Create a New Repository

🎂 Mobile Server Repository Wizard		- 🗆 ×
	No existing repository found. A new repository will be installed	
Help	< Back Next > Finish C	Cancel

12. Enter the schema name and password for the Mobile Server repository. The default name is MOBILEADMIN. This schema contains database objects used by the Mobile Server. Click "Next". See Figure 29.

Figure 29

Enter Password for Mobile Server Repository

1	Please enter the password fo	or the Mobile Server Repository	
	Repository		
	Schema Name :	MOBILEADMIN	
	Password :	****	
Olerand III	Re-enter the password :	*****	
AND ADDRESS AND ADDRES			

 Enter the Mobile Server Administrator name and password that you will use to log into the Mobile Manager - a web GUI tool which allows administration of the Mobile Server. See Figure 30.

Figure 30

Mobile Server Administrator

🏄 Mobile Server Repository V	Vizard		_ 🗆 🗵
	Please enter username a Administrator Administrator Password —	nd password for the Mobile Server	
	Administrator Name : Password : Re-enter the password :	Administrator ****** ******	
Help		< Back Next > Finish	Cancel

- 14. When using the Repository Wizard, users can deploy the Mobile Server either on a new domain or on an existing domain under GlassFish. See Figure 31. To deploy the Mobile Server on a new domain under GlassFish, follow the instructions below:
 - a. Choose "Yes" for "Create a New Domain" for the Mobile Server option.
 - b. Specify a "Domain Name".
 - c. Specify an "Admin Username" for the Glassfish domain.
 - **d.** Specify an "Admin Port" for the Glassfish domain. Ensure the ports you specified are free at the time of deployment.
 - e. Specify a "Server Port" for the Glassfish domain. Ensure the ports you specified are free at the time of deployment.
 - f. Specify an "Admin Password" for the admin user.
 - **g.** Keep note of the values you entered, as they will be used in the consequent steps of the installation.

Note: A domain is comprised of a set of instances. Each domain behaves like a separate server. It is a separated space within its own boundary and you can create as many domains as you like.

For example, if you specify 'mobileserver' as the domain name and Glassfish is installed at C:\glassfish3\glassfish, then C:\glassfish3\glassfish\domains\mobileserver will be created and the domain configuration files will be stored in that directory.

1	Flease provide information to deploy mobile S	erver on your web ap	piicauon server	
	Deploy Mobile Server			
	Create a new domain for Mobile Server?	Yes	C No	
	Please specify properties for a new domain			
	Domain Name :	mobileserver		
	Admin Port :	7001		
	Server Port :	7002		0.655
	Admin Username :	admin		2233
	Admin Password :	*****		
	Re-Enter Password :	*****		

Deploy Mobile Server on the Application Repository

- **15.** The next page is summary page and "End of Installation" page. Click "Exit" to finish installation. You have now installed the Database Mobile Server.
- 16. Run C:\OraHome_3\Mobile\Server\bin\ runmobileserver.bat to start the server, where C:\OraHome_3 is the Oracle Home. To verify your installation, open your browser, input http://localhost:7002/mobile. Check that the Mobile Manager login page is displayed, as shown in Figure 32.

If DMS is not running, you will see an error page: "The webpage cannot be displayed or Unable to connect". Start the DMS and refresh the page.

Figure 32

Mobile Manager Login Page

ORACLE Database Mobile Server 11g		and a second	() Ein.lans	(A)	(E) #
* Usemanne * Usemanne * Password					
Copyright © 1997, 2013. Oracle: All rights reserved.	Home Selup Elections Startup Help				

3 Installation of Mobile Development Kit (MDK)

To install MDK, follow the steps below:

- Double click <DMS_home>/ \Disk1\install\win32\setup.exe to start installation. If your CPU is 64bit, run <DMS_home>/ \Disk1\install\win64\setup.exe instead, where DMS_home is the directory extracted from the ZIP package.
- 2. Choose the Mobile Development Kit and click "Next", as seen in Figure 33.

Figure 33

Select Mobile Development Kit

=

Oracle Universal Installer: Select Installation Type	- 🗆 ×
Select Installation Type Oracle Database Mobile Server 11g 11.3.0.0.0	DATABASE MOBILE SERVER 11 ^g
What type of installation do you want? Mobile Server (453MB) This option installs Oracle Database Mobile Server	
Mobile Development Kit (302MB) This option installs the Oracle Mobile Development Kit including the Oracle M Custom	lobile Client
This option allows users to install individual components. Recommended for	advanced users only
	Product Languages)
Help Installed Products Back	Next (install Cancel

3. On the "Specify Home Details" screen, enter the name and path where you want to install Mobile Development Kit, as shown in Figure 34.

Note: The path should not include any spaces.

Specify Home Details



4. On the "Specify JDK Home" page, click "Browse..." to select a JDK installed on your machine, as shown in Figure 35.

Figure 35

Specify JDK Home

Specify JDK Home	DATA	
Specify JDK Home		
Please select a JDK installed on your machine		
JDK Home C:\Program Files\Java\jdk1.7.0_4		Browse
JDK 1.6 or higher version is required		
Help Installed Products	Back Next	(Install) Cancel

 On the "Summary" screen, click "Install". Click "Exit" to return to the installation screen. MDK is now installed.

4 Transport Demo

Once DMS and MDK are installed, you are ready to move on to the next step - the Mobile Server synchronization and the application development and deployment models.

For more information, see your mobile client platform-specific version of the Transport demo tutorial included in the MDK:

Win32/WinCE: <ORACLE_ HOME>\Mobile\Sdk\samples\dotnet\bdb\transport\doc\Transport Tutorial.doc

Note: Android and iOS tutorials are only included in the DMS version 11.3.0.1 and above.

- For Android: <ORACLE_HOME>\Mobile\Sdk\samples\android\ transport\Transport Tutorial.pdf
- For iOS: <ORACLE_HOME>\Mobile\Sdk\samples\ios\ transport\Transport Tutorial.pdf

5 Summary

After going through all the installation instructions in this document, here are the key steps:

- 1. Download and install the required software (JDK, Oracle Database XE, Oracle Glassfish, and DMS).
- 2. Create the Application Schema and data in Oracle Database XE.
- **3.** Create a Mobile Server publication for the application data using the MDW a GUI publication tool included in the MDK.
- 4. Create the Transport Application for your device platform.
- 5. Publish the application using the Packaging Wizard.
- 6. Create mobile users using the Mobile Manager.
- 7. Grant user access to the application using the Mobile Manager DMS online administrative console.
- 8. Setup and run the Transport Application on your mobile device.