

RadiusNT/X

RadiusNT/X Enterprise Edition User Manager Oracle Database Installation Guide

For Windows NT, Linux, Solaris & Cobalt Appliances

Version 4.0

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RadiusNT/X User Manager Configuration For Oracle Databases

WARNING: This addendum describes the configuration of the RadiusNT/X User Manager for an Oracle database. Further details and steps necessary for starting and configuring the RadiusNT/X User Manager services are provided in the section “Establishing Database Connectivity” in the RadiusNT/X User Manager manual.

Before the RadiusNT/X User Manager is able to run with an Oracle database, the application must be specially configured for the Oracle environment. The process consists of four steps: stopping the Web server (if needed), adding Oracle JDBC drivers, starting the Web server and browser, and establishing database connectivity to the Oracle database server.

WARNING: This example assumes that you will be downloading the ORACLE8i 8.1.7 drivers for use with JDK 1.2.x. for NT from the Oracle website: (<http://otn.oracle.com/software/content.html>). If you would like to use another driver, it must be JDK 1.2.x compatible. It is required that you obtain the URL and Driver path from the supplier since these two fields are different with each driver. If you have any questions, please contact the source where you obtained the driver and ask for the correct URL and Driver path.

Steps needed to install Oracle JDBC Drivers:

1. Stop the Web Service (see “Web Server Setup” in the RadiusNT/X User Manager manual).
2. Obtain Oracle JDBC drivers. There are many different versions, depending on the Oracle database you have installed. See Oracle’s website for the appropriate driver.
3. Locate RadiusNT/X User Manager in whatever directory you specified during installation. Since the default directory is “Radius”, we will use that in our example.
4. Install your driver(s) in the subdirectory “Radius/WebSrv/webapps/EWC/WEB-INF/lib”. If the driver(s) have the extension .jar, skip step 5. For all other extensions, complete step 5.
5. Go to the subdirectory “Radius/WebSrv/bin”. For the following examples, we’ll describe the driver as “oracle.zip”.
 - ?? Win32:
 - o Edit the file “Tomcat.bat”
 - o Find the line: “CP=%CP%;%TOMCAT_HOME%\webapps\EWC\WEB-INF”
 - o Under that line, add a new line for the sample driver:
“CP=%CP%;%TOMCAT_HOME%\webapps\EWC\WEB-INF\lib\oracle.zip”
 - o Continue adding lines for all drivers.
 - ?? Non-Win32:
 - o Edit the file “Tomcat.sh”
 - o Find the line:
“CLASSPATH=\${CLASSPATH} : \${TOMCAT_HOME} /webapps /EWC /WEB-INF”

- o Under that line, add a new line for the sample driver:
“CLASSPATH=\${CLASSPATH} : \${TOMCAT_HOME} /webapps/EWC/WEB-INF/lib/oracle.zip”
 - o Continue adding lines for all drivers.
6. Start the Web Service (see Web Server Setup in RadiusNT/X User Manager manual).
 7. Start the RadiusNT/X User Manager application (see “Web Browser Setup” in the RadiusNT/X User Manager manual).
 8. Next, you will see the “Database Connectivity Manager Setup” screen. The URL format and driver path are given to you with the driver. In the sample screen shot below, we are using an Oracle thin driver for 8i. Use this as a reference, but note that every manufacturer expects a different URL and path for its specific driver. Refer to the tables below. When you have finished, click “Save” to establish a connection and return to the RadiusNT/X User Manager.

Option	Fields to fill out
Oracle driver	DB Server, Supplied URL, Supplied Driver, DB User Name and DB User Password fields. Field entries are detailed below.



DB Server: ▼

IP Address of DB Server:

Port of DB Server:

Name of Database:

These two fields are used ONLY if you plan to override the default JDBC Driver with your own.

Please consult the manual for more detailed instructions.

Supplied URL:

Supplied Driver:

DB User Name:

DB User Password:

Field Name	Required Value
DB Server	Select the Oracle Server.
IP Address of DB Server	LEAVE BLANK
Port of DB Server	LEAVE BLANK
Name of Database	LEAVE BLANK
Supplied URL	Fill in, using the URL specified for this driver. Replace 'computername' with the host name of the Oracle server, the port where Oracle is listening, and databasename is the name of the RadiusNT/X database you have installed. An example would be: jdbc:oracle:thin@Test:1521:Radius
Supplied Driver	Fill in, using the path of the driver. (Supplied with the driver.)
DB User Name	USE RadSystem UNLESS YOU CHANGED THE USER IN THE ORACLE INSTALL SCRIPT.
DB User Password	USE RadManager UNLESS YOU CHANGED THE PASSWORD IN THE ORACLE INSTALL SCRIPT.