

Compiling and running DBD for Oracle 10g without installing Oracle

Source: <http://coding.derkeiler.com/Archive/Perl/perl.dbi.users/2004-04/0123.html>

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Date: 04/13/04

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Date: Tue, 13 Apr 2004 14:55:37 +0200

Hello,

I recently had to compile the DBD modules for Oracle 10g on machines, where I wasn't able to install Oracle. To save others the pain of figuring out this on their own, here's a short article of the type I was hoping to find in the first place.

These instructions worked on Sun Solaris 9 and a fragmentary installation Slackware Linux.

Ingredients:

To compile you need:

DBD-Oracle-1.15 or other recent versions
gcc of recent enough version. I uses 3.3.3, but others should work ok too
perl, DBI etc. of recent enough version
unzip most likely already installed by the OS

Oracle 10g installation disk for your architecture (available at <http://otn.oracle.com/software/products/database/oracle10g/index.html>). Only the first disk is necessary, which is a 700MB cpio archive.

To run:

perl as used above
DBI and DBD as compiled above
Oracle 10g instant client (available at <http://otn.oracle.com/software/tech/oci/instantclient/index.html>) Only the basic package is necessary (44MB), although sqlplus is nice to have too (add 0.5 MB) to test the connections.

Step one: Extracting necessary libraries from Oracle distribution

To compile the Oracle DBD, only a very small subset of the Oracle

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installation are necessary. These files can easily be extracted directly without the need to install Oracle. For me, this was critical, as I was very short on disk space on my machine and the Oracle installer was complaining about my version of Linux. It wasn't red-hat enough for it's taste.

Once the cpio-archive is unpacked, you'll have many files jar files in a directory tree in the directory Disk1. The Oracle installer is a Java application that works itself through all Java packages installing whatever necessary on the way. Fortunately, the files necessary to compile DBD can easy extracted with a normal unzip from these archives:

Disk1/stage/Components/oracle.rdbms.oci/10.1.0.2.0/1/DataFiles/include.jar

Disk1/stage/Components/oracle.rsf.rdbms_rsf/10.1.0.2.0/1/DataFiles/lib.jar

Disk1/stage/Components/oracle.rdbms/10.1.0.2.0/1/DataFiles/lib.jar

Disk1/stage/Components/oracle.rsf.clntsh_rsf/10.1.0.2.0/1/DataFiles/lib.jar

Just run unzip whatever.jar in your temporary ORACLE_HOME directory (later referred to as /tmp/foo). If disk-space is really tight, you