

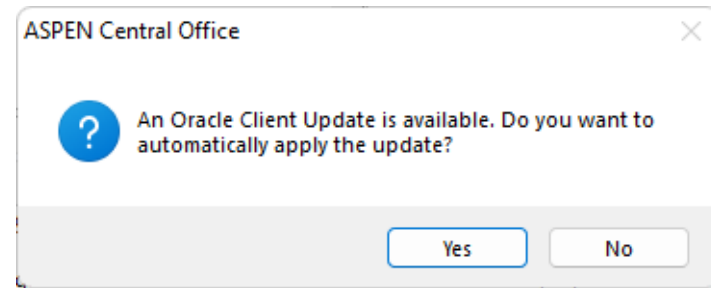
Oracle Instant Client Software Upgrade

The Oracle client software is being upgraded to 19.23.0.0.0 as Oracle Support for version 12.2.0.1, currently used by ASPEN software, has expired.

Previous Oracle client installations required the Oracle Universal Installer. The new Oracle Instant Client is installed automatically by ASPEN, eliminating the need to run the Oracle Universal Installer, a separate installation program provided by Oracle.

Installation

- 1 Download the ASPEN 12.4.4.9 Thin Install files:
 - http://star.alpinetg.com/upgrade/Thin/ACO12.4.4.9_PR1_Thin.zip
 - http://star.alpinetg.com/upgrade/Thin/ACTS12.4.4.9_PR1_Thin.zip
 - http://star.alpinetg.com/upgrade/Thin/ASE12.4.4.9_PR1_Thin.zip
- 2 Unzip the Thin Install files into the appropriate folder:
 - If you use a Shared installation, this will be the network location (e.g., X:\ASPEN) where your ASPEN programs are installed.
 - If you use a local installation, this will be the local drive (e.g., C:\ASPEN).
 - See thin install instructions for details at <https://qtso.cms.gov/software/aspens/reference-manuals> under ASPEN Download Installation Instructions.
- 3 Start ASPEN Central Office (ACO) from a computer that currently runs ASPEN.
- 4 When ACO starts, the following message will alert you that an Oracle Client Update is available.



- 5 Select Yes to download and install the new Oracle Instant Client.
- 6 ASPEN will download, install, and configure the new Oracle Instant Client.
 - By default, ASPEN installs the Oracle Instant Client into the root folder where ASPEN programs reside. For example, if ASPEN is installed in the network folder X:\ASPEN, ACO will be in X:\ASPEN\ACO and ACTS will be in X:\ASPEN\ACTS. The new Oracle Instant Client will be installed into X:\ASPEN\OracleInstantClient and will be shared by both ACO and ACTS. For ASPEN programs that are installed to a local drive, the default location is C:\ASPEN, and the Oracle Instant Client will be installed in C:\ASPEN\OracleInstantClient and shared by all ASPEN applications in C:\ASPEN.
 - During the installation of the Oracle Instant Client, ASPEN will attempt to locate the current TNSNAME.ORA and SQLNET.ORA Oracle configuration files and copy them to the new Oracle Instant Client. Oracle provides the ability to store these files in a different folder and specify their location with a Windows environment variable named TNS_ADMIN. If you currently use this option, ASPEN will not copy the files and will instead reference them from the folder specified in the TNS_ADMIN variable.



- If your state uses a Shared installation, the Oracle Instant Client will be shared by all users, including the TNSNAMES.ORA and SQLNET.ORA. If this is not desired, you can manually install the Oracle Instant Client to a user's local drive and add "/ORAPATH=<path>" to the ASPEN shortcut. For example, if you install the Instant Client to C:\Apps\OracleInstantClient, modify the user's ACO, ACTS, and ASEq shortcuts to include /ORAPATH in the Target setting:

C:\ASPEN\ACO\ACO.EXE /ORAPATH=C:\Apps\OracleInstantClient

You must also ensure the correct TNSNAMES.ORA and SQLNET.ORA files are installed with this local Instant Client. In the example above, those files should be copied to C:\Apps\OracleInstantClient\network\admin.

If you have multiple Oracle clients installed on a computer and want to share the TNSNAMES.ORA and SQLNET.ORA between all clients Oracle clients, Oracle supports an environment variable named TNS_ADMIN. Set the value of this environment variable to the path of the TNSNAMES.ORA and SQLNET.ORA files, and all Oracle clients on the computer will access those files from that TNS_ADMIN folder.

When using a Shared installation, only the first user to run ACO from the shared location will be prompted to download and install the Oracle Instant Client. After that, the Oracle Instant Client will automatically be available to all users running ASPEN from the shared location.

Verify the Installation

Start ASPEN Central Office and from the System menu, choose **System Connection...** Verify that the Oracle Client Version shows **19.0.0.0.0**.

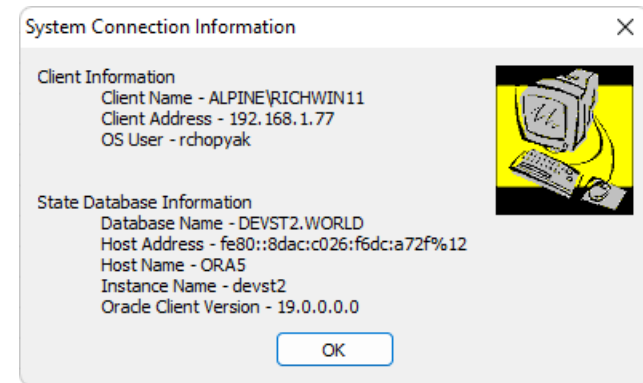


Figure 1: System Connection Information

For installation assistance:

QTSO Help Desk — ASPEN Hotline
888-477-7876
iqies@cms.hhs.gov

