

WHAT YOU NEED TO COMPLETE THIS CHAPTER'S EXERCISES

To complete the exercises in this chapter, you need to have access to a version of SQL Server. The chapter is based on SQL Server 2014, but the code should work with other SQL Server versions with only minor adjustments, if any. As a beginner, it's easier for you to use SQL Server 2014 without the worry of minor changes. The database can reside in SQL Server 2014 on your local machine or in SQL Server on a network. This chapter has examples of SQL Server 2014 Express running locally. The database the examples use is the pubs database from Microsoft.

You can download SQL Server 2014 Express, without cost, from www.microsoft.com/sql. Select the version with tools. You can also enter the following URL directly: www.microsoft.com/en-us/download/details.aspx?id=42299 and select the correct file. For a 32-bit operating system, download the file named SQLEXPRT_x86_ENU.exe. For a 64-bit operating system download the file named SQLEXPRT_x64_ENU.exe.

Here are some notes for installing SQL Server 2014 Express (Runtime with Management Tools):

- You should install a named instance of SQLEXPRESS to avoid having to customize the code. Be sure to use the name of **SQLEXPRESS** during the install. This should be the default value.

***NOTE** The code examples in this book use mixed mode authentication to allow a username and password to be passed into SQL Server. The book uses the sa login with a password of SQL2014wrox, which has system administrator rights. This is not normally how you would access SQL Server from code. For production, create a login that has as few rights as possible to use, or use Windows authentication mode, in which you can give rights to users or groups.*

- Select to install the database engine.
- Be sure to select mixed-mode authentication. The sa account will not be active unless mixed-mode authentication is selected.
- To use the examples in this chapter without changing the username and password, set the sa password to **SQL2014wrox**.
- When selecting user accounts for services, use the network service or local service account.

To locate a copy of the pubs database, go to the following resources:

- You can download SQL Server 2000 scripts and instructions from

www.microsoft.com/en-us/download/details.aspx?id=23654. This script works with 2014 versions. And this website is the easiest place to get the database.

- If the links are a hassle to type, just go to www.microsoft.com/downloads and search for SQL Server Sample Databases. The search results will contain the preceding link.
- When you run the MSI package, it will install to `C:\SQL Server 2000 Sample Databases` (the drive may vary based on your configuration). You can then open the file `instpubs.sql` into SQL Management Studio by double-clicking it. Once open, execute the code by clicking F5 or the Execute button, and the pubs database will be created and loaded with data.
- When you execute the file `instpubs.sql` in SQL Server Management Studio for SQL Server 2014, there will be one error, which is a stored procedure that is no longer present; the error can safely be ignored.

Msg 2812, Level 16, State 62, Line 56
Could not find stored procedure 'sp_dboption'.