

# Sybase Adaptive Server™ Enterprise OLE DB Provider Installation Guide

Sybase ASE OLE DB Provider Version 12.0

Document ID: 32050-01-1200-01

Last Revised: May 28, 1999



Principal author: Emeryville Publications

Document ID: 32050-01-1200

This publication pertains to Sybase ASE OLE DB Provider Version 12.0 of the Sybase database management software and to any subsequent version until otherwise indicated in new editions or technical notes. Information in this document is subject to change without notice. The software described herein is furnished under a license agreement, and it may be used or copied only in accordance with the terms of that agreement.

## Document Orders

---

To order additional documents, U.S. and Canadian customers should call Customer Fulfillment at (800) 685-8225, fax (617) 229-9845.

Customers in other countries with a U.S. license agreement may contact Customer Fulfillment via the above fax number. All other international customers should contact their Sybase subsidiary or local distributor.

Upgrades are provided only at regularly scheduled software release dates.

Copyright © 1989–1999 by Sybase, Inc. All rights reserved.

No part of this publication may be reproduced, transmitted, or translated in any form or by any means, electronic, mechanical, manual, optical, or otherwise, without the prior written permission of Sybase, Inc.

## Sybase Trademarks

---

Sybase, the SYBASE logo, Adaptive Server, APT-FORMS, Certified SYBASE Professional, the Certified SYBASE Professional logo, Column Design, ComponentPack, Data Workbench, First Impression, InfoMaker, ObjectCycle, PowerBuilder, PowerDesigner, Powersoft, Replication Server, S-Designer, SQL Advantage, SQL Debug, SQL SMART, Transact-SQL, Visual Components, VisualWriter, and VQL are registered trademarks of Sybase, Inc.

Adaptable Windowing Environment, Adaptive Component Architecture, Adaptive Server Enterprise Monitor, Adaptive Warehouse, ADA Workbench, AnswerBase, Application Manager, AppModeler, APT-Build, APT-Edit, APT-Execute, APT-Library, APT-Translator, APT Workbench, Backup Server, BayCam, Bit-Wise, ClearConnect, Client-Library, Client Services, CodeBank, Connection Manager, DataArchitect, Database Analyzer, DataExpress, Data Pipeline, DataServer, DataWindow, DB-Library, dbQueue, Developers Workbench, DirectConnect, Distribution Agent, Distribution Director, Embedded SQL, EMS, Enterprise Application Server, Enterprise Application Studio, Enterprise Client/Server, EnterpriseConnect, Enterprise Data Studio, Enterprise Manager, Enterprise SQL Server Manager, Enterprise Work Architecture, Enterprise Work Designer, Enterprise Work Modeler, EWA, Formula One, Gateway Manager, GeoPoint, ImpactNow, InformationConnect, InstaHelp, InternetBuilder, iScript, Jaguar CTS, jConnect for JDBC, KnowledgeBase, Logical Memory Manager, MainframeConnect, Maintenance Express, MAP, MDI Access Server, MDI

Database Gateway, media.splash, MetaBridge, MetaWorks, MethodSet, MySupport, Net-Gateway, NetImpact, Net-Library, Next Generation Learning, ObjectConnect, OmniConnect, OmniSQL Access Module, OmniSQL Toolkit, Open Client, Open ClientConnect, Open Client/Server, Open Client/Server Interfaces, Open Gateway, Open Server, Open ServerConnect, Open Solutions, Optima++, PB-Gen, PC APT-Execute, PC DB-Net, PC Net Library, Power++, Power AMC, PowerBuilt, PowerBuilt with PowerBuilder, PowerDynamo, PowerJ, PowerScript, PowerSite, PowerSocket, Powersoft Portfolio, PowerStudio, Power Through Knowledge, PowerWare Desktop, PowerWare Enterprise, ProcessAnalyst, Replication Agent, Replication Driver, Replication Server Manager, Report-Execute, Report Workbench, Resource Manager, RW-DisplayLib, RW-Library, SAFE, SDF, Secure SQL Server, Secure SQL Toolset, Security Guardian, SKILS, smart.partners, smart.parts, smart.script, SQL Code Checker, SQL Edit, SQL Edit/TPU, SQL Modeler, SQL Remote, SQL Server, SQL Server/CFT, SQL Server/DBM, SQL Server Manager, SQL Server SNMP SubAgent, SQL Station, SQL Toolset, Sybase Central, Sybase Client/Server Interfaces, Sybase Development Framework, Sybase Financial Server, Sybase Gateways, Sybase Learning Connection, Sybase MPP, Sybase SQL Desktop, Sybase SQL Lifecycle, Sybase SQL Workgroup, Sybase Synergy Program, Sybase Virtual Server Architecture, Sybase User Workbench, SybaseWare, SyberAssist, SyBooks, System 10, System 11, the System XI logo, SystemTools, Tabular Data Stream, The Enterprise Client/Server Company, The Extensible Software Platform, The Future Is Wide Open, The Learning Connection, The Model for Client/Server Solutions, The Online Information Center, Translation Toolkit, Turning Imagination Into Reality, UltraLite, UNIBOM, Unilib, Uninull, Unisep, Unistring, URK Runtime Kit for UniCode, Viewer, VisualSpeller, VisualWriter, WarehouseArchitect, Warehouse Studio, Warehouse WORKS, Watcom, Watcom SQL, Watcom SQL Server, Web.PB, Web.SQL, WebSights, WebViewer, WorkGroup SQL Server, XA-Library, XA-Server, and XP Server are trademarks of Sybase, Inc. 2/99

Unicode and the Unicode Logo are registered trademarks of Unicode, Inc.

## Intersolv Trademarks

---

INTERSOLV, DataDirect, APS, Maintenance Workbench, PVCS, TechGnosis, SequeLink, and Middleware are registered trademarks of MERANT Solutions, Inc. PVCS SiteSync, INTERSOLV Messaging, DataDirect Connect ODBC, DataDirect Connect OLE DB, DataDirect Reflector, WebDBLink, Client/Server MiddleWare, PVCS VM Server, PVCS Dimensions, PVCS Process Manager, PVCS Version Manager, PVCS Tracker, and PVCS TrackerLink are trademarks of MERANT Solutions, Inc. Micro Focus is a registered trademark and Net Express is a trademark of MERANT International Limited. Other company or product names mentioned herein may be trademarks or registered trademarks of their respective companies.

All other company and product names used herein may be trademarks or registered trademarks of their respective companies.

## **Restricted Rights**

---

Use, duplication, or disclosure by the government is subject to the restrictions set forth in subparagraph (c)(1)(ii) of DFARS 52.227-7013 for the DOD and as set forth in FAR 52.227-19(a)-(d) for civilian agencies.

Sybase, Inc., 6475 Christie Avenue, Emeryville, CA 94608.



# Table of Contents

## About This Book

Audience . . . . .	ix
How to Use This Book . . . . .	ix
Other Sources of Information . . . . .	ix
Sybase Certifications on the Web . . . . .	x
If You Need Help . . . . .	xi

## 1. Installing the OLE DB Provider on Windows 9x and NT

Before You Install . . . . .	1
System Requirements. . . . .	1
Pre-Installation Tasks . . . . .	2
Installation Using <i>sybsetup</i> . . . . .	2
Configuring Data Sources . . . . .	4
Uninstalling. . . . .	4
For More Information. . . . .	4

## Index





# About This Book

This guide describes the procedure for installing the Sybase Adaptive Server™ Enterprise OLE DB Provider from CD-ROM. The OLE DB provider allows you to connect Sybase Adaptive Server Enterprise from these platforms:

- Windows 9x
- Windows NT

## Audience

---

This guide can be used by system and database administrators and any users who need OLE DB providers to access databases. It is assumed that you are familiar with the operation of your system, and that you understand how to navigate to directories on your system and on any networks attached to your system.

## How to Use This Book

---

This guide explains how to install the Sybase ASE OLE DB Provider on Windows 9x or Windows NT (see Chapter 1, “Installing the OLE DB Provider on Windows 9x and NT”).

For the latest information about the specific Sybase ASE OLE DB providers available for your platform, see the README file in your software package.

## Other Sources of Information

---

Use the Sybase Technical Library CD and the Technical Library Web site to learn more about your product:

- Technical Library CD contains product manuals and technical documents and is included with your software. The DynaText browser (included on the Technical Library CD) allows you to access technical information about your product in an easy-to-use format.

Refer to the *Technical Library Installation Guide* in your documentation package for instructions on installing and starting Technical Library.

- Technical Library Web site includes the Product Manuals site, which is an HTML version of the Technical Library CD that you can access using a standard Web browser. In addition, you'll find links to the Technical Documents Web site (formerly known as Tech Info Library), the Solved Cases page, and Sybase/Powersoft newsgroups.

To access the Technical Library Web site, go to [support.sybase.com](http://support.sybase.com), click the Electronic Support Services tab, and select a link under the Technical Library heading.

### Sybase Certifications on the Web

---

Technical documentation at the Sybase Web site is updated frequently.

**For the latest information on product certifications and/or the EBF Rollups:**

1. Point your Web browser to Technical Documents at the following Web site:  
[techinfo.sybase.com](http://techinfo.sybase.com)
2. In the Browse section, click on the What's Hot entry.
3. Explore your area of interest: Hot Docs covering various topics, or Hot Links to Technical News, Certification Reports, Partner Certifications, and so on.

**If you are a registered *SupportPlus* user:**

1. Point your Web browser to Technical Documents at the following Web site:  
[techinfo.sybase.com](http://techinfo.sybase.com)
2. In the Browse section, click on the What's Hot entry.
3. Click on the EBF Rollups entry.  
You can research EBFs using Technical Documents, and you can download EBFs using Electronic Software Distribution (ESD).
4. Follow the instructions associated with the *SupportPlus*<sup>SM</sup> Online Services entries.

**If you are not a registered *SupportPlus* user, and you want to become one:**

You can register by following the instructions on the Web.

To use *SupportPlus*, you need:

- A Web browser that supports the Secure Sockets Layer (SSL), such as Netscape Navigator 1.2 or later
- An active support license
- A named technical support contact
- Your user ID and password

**Whether or not you are a registered *SupportPlus* user:**

You may use Sybase's Technical Documents. Certification Reports are among the features documented at this site.

1. Point your Web browser to Technical Documents at the following Web site:  
[techinfo.sybase.com](http://techinfo.sybase.com)
2. In the Browse section, click on the What's Hot entry.
3. Click on the topic that interests you.

## **If You Need Help**

---

Each Sybase installation that has purchased a support contract has one or more designated people who are authorized to contact Sybase Technical Support. If you cannot resolve a problem using the manuals or online help, please have the designated person contact Sybase Technical Support or the Sybase subsidiary in your area.



# 1

## Installing the OLE DB Provider on Windows 9x and NT

The Sybase Adaptive Server™ Enterprise OLE DB provider includes a Setup program. The Setup program provides two installation options:

- Typical Installation, in which drivers are installed directly onto your computer's hard drive.
- Network Installation, in which a shared version of the drivers is installed on the network. Local users can then perform a Workstation Install that allows them to run the shared version of the product from the network.

### Before You Install

---

Before you start installation, exit from or close all applications to prevent file-locking conflicts.

Follow these guidelines:

- Verify that your system meets the driver's requirements for a database before you install the driver. The driver will not work if these requirements are not met. See "System Requirements" on page 1-1.
- You must be a System Administrator or have update privileges for the registry keys [HKEY\_LOCAL\_MACHINE] and [HKEY\_CLASSES\_ROOT]. These privileges are required to update the registry with the new OLE DB Provider being installed. See your System Administrator if you are unsure.
- Verify that existing Sybase OLE DB files are not read-only. If they are, remove the read-only protection.

### System Requirements

---

Your system must meet these requirements to use the Sybase ASE OLE DB provider on Windows 9x or Windows NT:

- On Windows 9x and Windows NT systems, the OLE DB drivers are 32-bit drivers. All required network software supplied by your database system vendors must be 32-bit compliant.
- 15MB of available hard disk space.

---

**► Note**

If you install mdac\_typ.exe, an addition 12 MB is required for client systems and 24MB (32 is recommended) for server systems.

---

---

**Pre-Installation Tasks**

---

Before you start the installation:

1. Log on using an account with Windows NT administrator privileges.
2. Close any open applications or utilities, including currently installed Sybase products, to free disk space and system resources.

---

**Installation Using *sybsetup***

---

To install the Sybase ASE OLE DB Provider Kit:

1. Insert the CD into the CD-ROM drive.
  - If the installation begins automatically, go to step 3.
  - If not, start the installation utility following the instructions in step 2.

Be sure that the drive you install the Driver Kit on has at least 15MB of disk space in addition to the space needed for the Driver Kit. This space is reclaimed after you exit *sybsetup*.

2. Run *sybsetup* using one of these methods:
  - For Windows NT 4.0 or Windows 95, select the CD-ROM drive, open the Explorer, and double-click *setup.exe*.

Or, click **Start**, choose **Run**, then type:

**n:\setup.exe**

where *n* is the CD-ROM drive.

- For Windows NT 3.51, choose File→Run, then type:

**n:\setup.exe**

where *n* is the CD-ROM drive.

Or, open the File Manager and double-click *setup.exe* in the CD's top-level directory.

3. The Welcome screen displays. Click **Next** to continue.  
Click **Help** if you need help in deciding which objects to select.
4. **Licensed Product** is selected in the Select Installation Type screen. Click **Next** to continue.
5. The Select Installation Directory screen displays. Specify a local directory in which to install the Provider Kit, or accept the default directory (for example, `c:\sybase` or the directory specified by the current value of the SYBASE environment variable).  
If the SYBASE environment variable is not already set, `sybsetup` sets the variable to point to the directory you specified.

◆ **WARNING!**

---

**To use the Driver Kit on Windows NT and on Windows 95 on the same computer, run the installer on each platform. This guarantees that the Windows NT and Windows 95 registries are updated correctly.**

---

6. The Select Program Folder screen displays. Specify the program folder where `sybsetup` should place icons for the Driver Kit. "Sybase" is the default program folder. Click **Next** to continue.
7. The Product Selection screen displays. Expand the Product tree to see component products and options. Select the check box for the Sybase ASE OLE DB Provider. Click **Next** to continue.
8. The Installation Summary screen displays information about the components selected for installation. Click **Install** to install these components.  
`sybsetup` decompresses the product files and installs them in the appropriate subdirectories of the Sybase release directory you specified.
9. The Installation Complete screen displays. You must restart Windows NT or Windows 95 before you can use the Driver Kit. Choose one of these options:
  - **Logoff now** — Exit `sybsetup` and restart the computer.
  - **I will logoff later** — After you exit `sybsetup`, you must log off before you can use the Driver Kit.
10. When the installation is complete, the Finished screen displays. Click **Close** to end the setup.

This process updates the environment variables and Registry keys so that applications can find the Sybase ASE OLE DB Provider on your computer.

## Configuring Data Sources

---

Before you can use an OLE DB Provider, you must configure a data source for the driver and set up an Open Client connection using `dsedit`. A data source consists of a data source name, provider, and optional provider information in the system information.

Use the Sybase ASE OLE DB Administrator to select the installed driver and then configure a data source for it. (You will see an error message if you do not have the latest Microsoft Data Access Components installed.) Configuration instructions are provided in the online help for each driver's configuration window.

## Uninstalling

---

The `sybsetup` uninstall function uninstalls all Sybase products on your machine. Use it with great care.

## For More Information

---

Please read the README text file that accompanies the product for current information regarding the release. The system requirements for connecting to data sources can be found in the online help available with each driver configuration window.

In addition, a general OLE DB provider help file is installed in the OLE DB Drivers Program Group and can be accessed independently of the drivers.



# Index

## D

Disk space requirements 1

## G

Guidelines, installation 1

## H

HKEY\_LOCAL\_MACHINE registry  
key 1

## I

Installation  
guidelines 1  
Installations  
typical 1

## N

Network installation 1

## P

Pre-installation tasks 2

## R

Read-only files 1  
Registry key 1  
Requirements  
disk space 1  
system 1  
Windows 9x 1  
Windows NT 1

## S

*setup.exe* 2  
Setup program 1  
Shared version of the product,  
running 1  
*sybsetup* 2  
exiting 3  
System Administrator 1  
System requirements 1

## T

Typical installation 1

## W

Windows 9x requirements 1  
Windows Driver Kit 3  
Windows NT requirements 1

