

# OBJECTSTORE

ACTIVE~~X~~ INTERFACE FOR  
OBJECTSTORE  
RELEASE NOTES

RELEASE 3.0

March 1998

## ***ActiveX Interface for ObjectStore Release Notes***

Release 3.0, March 1998

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# Preface

|          |   |
|----------|---|
| Purpose  | The <i>ActiveX Interface for ObjectStore Release Notes</i> describes the ActiveX Interface for ObjectStore (OSAX), Release 3.0.   |
| Audience | This book is for developers responsible for building and installing OSAX object servers for accessing ObjectStore databases. It is assumed that you are familiar with the ObjectStore host platform and comfortable using the operating system. |
| Scope    | This document provides an overview of OSAX, Release 3.0, including upgrade information. For detailed information about OSAX, refer to the <i>ActiveX Interface for ObjectStore</i> manual.  |

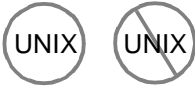
## How This Book Is Organized

Chapter 1 describes new and changed features of OSAX Release 3.0. Chapter 2 provides information about technical support and assistance.

## Notation Conventions

This document uses the following conventions:

| <i>Convention</i>        | <i>Meaning</i>  |
|--------------------------|---|
| <b>Bold</b>              | Bold typeface indicates user input or code.   |
| Sans serif               | Sans serif typeface indicates system output.  |
| <i>Italic sans serif</i> | Italic sans serif typeface indicates a variable for which you must supply a value. This most often appears in a syntax line or table. |

| <b>Convention</b>   | <b>Meaning</b>   |
|---|--|
| <i>Italic serif</i>   | In text, italic serif typeface indicates the first use of an important term.   |
| [ ]   | Brackets enclose optional arguments.   |
| { <i>a</i>   <i>b</i>   <i>c</i> }  | Braces enclose two or more items. You can specify only one of the enclosed items. Vertical bars represent OR separators. For example, you can specify <i>a</i> or <i>b</i> or <i>c</i> . |
| ...   | Three consecutive periods indicate that you can repeat the immediately previous item. In examples, they also indicate omissions.   |
|  | Indicates that the operating system named inside the circle supports or does not support the feature being discussed.  |

## ObjectStore Documentation

ObjectStore documentation is chiefly distributed on-line in Web-browsable format. If you want to order printed books, contact your Object Design sales representative.

## Internet Sources of More Information

|                  |  |
|------------------|--|
| World Wide Web   | Object Design's support organization provides a number of information resources. These are available to you through a Web browser such as Internet Explorer or Netscape. You can obtain information by accessing the Object Design home page with the URL <a href="http://www.objectdesign.com">http://www.objectdesign.com</a> . Select <b>Technical Support</b> . Select <b>Support Communications</b> for detailed instructions about different methods of obtaining information from support.  |
| Internet gateway | You can obtain information such as FAQs (answers to frequently asked questions) from Object Design's Internet gateway machine as well as from the Web. This machine is called <b>ftp.objectdesign.com</b> and its Internet address is 198.3.16.26. You can use <b>ftp</b> to retrieve the FAQs from there. Use the login name <b>odiftp</b> and the password obtained from <b>patch-info</b> . This password also changes monthly, but you can automatically receive the updated password by subscribing to <b>patch-info</b> . See the <b>README</b> file for guidelines for using this connection. The FAQs are in the |

Automatic email  
notification

subdirectory **./FAQ**. This directory contains a group of subdirectories organized by topic. The file **./FAQ/FAQ.tar.Z** is a compressed **tar** version of this hierarchy that you can download.

In addition to the previous methods of obtaining Object Design's latest patch updates (available on the **ftp** server as well as the Object Design Support home page), you can now automatically be notified of updates. To subscribe, send email to **patch-info-request@objectdesign.com** with the keyword **SUBSCRIBE patch-info** <*your siteid*> in the body of your email. This will subscribe you to Object Design's patch information server daemon that automatically provides site access information and notification of other changes to the on-line support services. Your site ID is listed on any shipment from Object Design, or you can contact your Object Design Sales Administrator for the site ID information.

## Training

If you are in North America, for information about Object Design's educational offerings, or to order additional documents, call 781.674.5000, Monday through Friday from 8:30 AM to 5:30 PM Eastern Time. You can reach the Education Hotline at 781.674.5047.

If you are outside North America, call your Object Design sales representative.

## Your Comments

Object Design welcomes your comments about ObjectStore documentation. Send them to **support@objectdesign.com**. To expedite your message, begin the subject with **Doc:**. For example:

**Subject: Doc: Incorrect message on page 76 of reference manual**

You can also fax your comments to 781.674.5440.





# Chapter 1

## About This Release

ActiveX Interface for ObjectStore (OSAX) is a set of tools for exposing ObjectStore databases and their contents to Visual Basic and other ActiveX Automation controllers and scripting hosts. OSAX includes the following components:

- OSAX server components
- Server code generator
- Template library
- AppWizard
- Example programs
- On-line documentation for use with Web browsers

This chapter provides the following information about OSAX, Release 3.0:

New Features on page 3

System Requirements on page 4

Known Bugs on page 5

Upgrading to Release 3.0 on page 6

For detailed information about OSAX Release 3.0, see the *ActiveX Interface for ObjectStore* documentation.

*Note:* Also available from Object Design are the ObjectStore Database Designer (OSDD) and Component Wizard, a set of tools for designing and building ObjectStore applications within the Visual C++ IDE. OSDD is a graphical design tool for creating a schema file. The Component Wizard uses the schema file to

generate the C++ components (MFC, ActiveX, or console) containing classes, data members, and CRUD methods. For more information about these tools, including how to download them, see the Object Design Web page, <http://www.objectdesign.com>.

# New Features

The following features have been added to the ActiveX Interface for ObjectStore, Release 3.0:

Template library

OSAX has been reimplemented, using a template library based on Microsoft's ActiveX Template Library (ATL). The template library is documented in the *ActiveX Interface for ObjectStore*, Chapter 3, and can be used directly from an ATL project.

Multiple servers per process

You can use multiple OSAX object servers in the same process. Different object servers in the same process can use each other's objects.

Better support for multiple clients

Objects have a context associated with them. Objects inherit the context of the object that created them. Transactions are associated with the context, so that transactions in different contexts remain independent.

Improved support for Microsoft Active Server Pages (ASP)

Clients do not need thread-affinity. OSAX objects can be stored at session- or application-level.

AppWizard for generating projects

An application wizard simplifies the generation of OSAX object server projects.

Type library in the server DLL

Type libraries are now linked into the server DLL.

# System Requirements

This release has been tested primarily with Visual C++ 5.0, Visual Basic 5.0, Internet Explorer 4.01, and Internet Information Server 2.0 with Personal Web Server Version 4.0. For installation information, see .

## OSAX

The ActiveX Interface for ObjectStore requires:

- One of the following:
  - Microsoft Windows NT 4.0 with Service Pack #3
  - Microsoft Windows 95 with Service Pack #1 and DCOM 95 installed
  - Microsoft Windows 95B with DCOM 95 installed
- Both of the following:
  - ObjectStore 5.1 for Windows NT or Windows 95
  - Visual C++ 5.0 with Service Pack #3

## Examples

The examples that are included with OSAX require:

- Visual Basic 5.0 with Service Pack #3
- Internet Explorer 4.01
- Windows NT 4.0 Option Pack

For more information about the examples, see the *ActiveX Interface for ObjectStore*, Chapter 1. For information about the new XTravel example, see ASP XTravel Example on page 6.

For detailed installation information, see the *ActiveX Interface for ObjectStore*, Chapter 1.

## Known Bugs

You must ensure that any types used in a query are already in your database. In other words, if you want to use an **X\*** in a query, make sure that an **X\*** was at one time in the database you are using for the query. This problem will be fixed in a future version of ObjectStore.

## Upgrading to Release 3.0

You must make the following changes when upgrading from a previous release of OSAX to Release 3.0.

### The **osgentyp** Utility

The **osgentyp** utility generates a **.rc** file that you should add to the project. The **.rc** file includes the type library and the server registration strings used by ATL. See the *ActiveX Interface for ObjectStore* manual, Chapter 2, for information about the **osgentyp** utility, and Chapter 3 for information about ATL.

### DLL Schema Feature

The schema file should include the following line:

```
OS_SCHEMA_DLL_ID("OSAX:OSAX.Books.3");
```

where "**OSAX.Books.3**" is replaced with the name of your server. This enables the DLL schema feature of ObjectStore, which permits multiple OSAX servers to be used in a process at the same time.

### ASP XTravel Example

For this release, a new example has been added to OSAX: the XTravel example. This example illustrates many features of OSAX, including Active Server Pages (ASP). To run this example, build the Release configuration of the XTremeReservation project in the Visual C++ IDE. Building this project causes the other projects to be built and registered in the proper order.

You must be using the Internet Information Server (IIS) 4.0. To prepare for running this example, make **\\osax\examples\xttravel\asp** a virtual directory and set the directory for execute. You can run the example from a browser.

*Note:* The ASP XTravel example is a second implementation of the Travel example already included with the previous release of OSAX. Also, the ASP XTravel example is not documented in the *ActiveX Interface for ObjectStore* manual. For information about this example, see the file **ReadMe.txt** that is included with the project.

# Chapter 2

## Sources of Technical Information

This chapter describes methods of obtaining technical assistance. Sources of technical information include Object Design's

- Local distributor or value-added reseller
- Training and Education
- Consulting
- Technical Support
- OSAX discussion group

The following sections summarize each support alternative.

### Local Distributor or VAR

If you obtained ObjectStore through a distributor or VAR, contact your representative for specific information.

### Object Design Training and Education

Object Design provides a variety of courses that cover all aspects of Object Design products and object-oriented analysis, design, and programming. These courses are available in Public Education Centers around the world, or you can arrange to have them presented on site at your offices.

For immediate information about courses, send email inquiries to **ooclass@objectdesign.com** or call the Object Design Education Hotline at 781.674.5047.

## Object Design Consulting

Object Design Consulting Services is dedicated to helping you turn technology innovations into real business solutions. Through Object Design's versatile suite of services, consultants enable you to deliver projects that are timely, flexible, and cost-effective solutions. Object Design consultants are ready to assist you throughout the software development cycle, from design through deployment, whether you are creating a single application or revamping your entire technology infrastructure.

With many years of combined experience in building distributed object computing solutions for intranet, Internet, and local solutions, a dedicated staff of consultants is equipped to help you deploy world-class systems.

For more information about how Object Design consultants can start helping you maximize your technology investment, check the World Wide Web at <http://www.objectdesign.com/Services> or contact your local sales office.

## Object Design Technical Support

Object Design Technical Support provides subscribers with technical assistance and software updates. The goal of Object Design Technical Support is your success when using Object Design's software products. The Object Design Technical Support team stands ready to provide the highest quality technical support and assistance with a range of services that include

- Worldwide availability — support centers in North America, Europe, and Asia
- Access to highly trained Support Engineers through email and by phone during normal business hours
- Around-the-clock support for critical applications
- Subscriber World Wide Web site that includes FAQ database, Product Documentation, Known Bugs Lists, coding examples, and miscellaneous additional information
- Subscriber FTP site containing the latest product updates and software patches
- Participation in restricted mail discussion groups



- Software update, patch, and support news by means of electronic mail

For more information, see the World Wide Web URL <http://support.objectdesign.com> or send email to [support@objectdesign.com](mailto:support@objectdesign.com). OSAX users can send email to [support@objectdesign.com](mailto:support@objectdesign.com) or call 781.674.5040 for technical support when installing or using this product.

## OSAX Discussion Group

A discussion mailing list [osax-discussion@objectdesign.com](mailto:osax-discussion@objectdesign.com) is maintained for questions or announcements of general interest. You can subscribe to this mailing list by sending a mail message to [majordomo@objectdesign.com](mailto:majordomo@objectdesign.com) with no subject, containing the following text in the body of the message:

**SUBSCRIBE osax-discussion**

A digested version of this mailing list is also available; use the majordomo **LISTS** command for more information.



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