



OpenEdge Management and OpenEdge Explorer: Installation

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Preface

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- [Organization](#)
- [Using this manual](#)
- [Typographical conventions](#)
- [Examples of syntax descriptions](#)
- [OpenEdge messages](#)

Purpose

This manual provides details about installing OpenEdge® Management and OpenEdge Explorer. It also provides information about the tasks you must perform before you begin the installation, including any OpenEdge requirements that must be in place.

Audience

This manual is intended for users and administrators of OpenEdge Management or OpenEdge Explorer.

Organization

[Chapter 1, “Welcome to OpenEdge Management and OpenEdge Explorer”](#)

Introduces OpenEdge Management and OpenEdge Explorer and describes where you can find documentation and details about how to get started using their features.

[Chapter 2, “Before You Install OpenEdge Management or OpenEdge Explorer”](#)

Describes planning considerations, system requirements, and license requirements.

[Chapter 3, “Installing OpenEdge Management or OpenEdge Explorer in Windows”](#)

Provides instructions for installing and uninstalling OpenEdge Management and OpenEdge Explorer in Windows systems.

[Chapter 4, “Installing OpenEdge Management or OpenEdge Explorer on UNIX”](#)

Provides instructions for installing and uninstalling OpenEdge Management and OpenEdge Explorer on UNIX systems.

Using this manual

OpenEdge provides a special purpose programming language for building business applications. In the documentation, the formal name for this language is *ABL (Advanced Business Language)*. With few exceptions, all keywords of the language appear in all UPPERCASE, using a font that is appropriate to the context. All other alphabetic language content appears in mixed case.

References to ABL compiler and run-time features

ABL is both a compiled and interpreted language that executes in a run-time engine that the documentation refers to as the *ABL Virtual Machine (AVM)*. When documentation refers to ABL source code compilation, it specifies *ABL* or *the compiler* as the actor that manages compile-time features of the language. When documentation refers to run-time behavior in an executing ABL program, it specifies *the AVM* as the actor that manages the specified run-time behavior in the program.

For example, these sentences refer to the ABL compiler's allowance for parameter passing and the AVM's possible response to that parameter passing at run time: "ABL allows you to pass a dynamic temp-table handle as a static temp-table parameter of a method. However, if at run time the passed dynamic temp-table schema does not match the schema of the static temp-table parameter, the AVM raises an error." The following sentence refers to run-time actions that the AVM can perform using a particular ABL feature: "The ABL socket object handle allows the AVM to connect with other ABL and non-ABL sessions using TCP/IP sockets."

References to ABL data types



ABL provides built-in data types, pre-defined class data types, and user-defined class data types. References to built-in data types follow these rules:

- Like most other keywords, references to specific built-in data types appear in all UPPERCASE, using a font that is appropriate to the context. No uppercase reference ever includes or implies any data type other than itself.
- Wherever *integer* appears, this is a reference to the INTEGER or INT64 data type.
- Wherever *decimal* appears, this is a reference to the DECIMAL data type.
- Wherever *numeric* appears, this is a reference to the INTEGER, INT64, or DECIMAL data type.

References to pre-defined class data types appear in mixed case with initial caps, for example, `Progress.Lang.Object`. References to user-defined class data types appear in mixed case, as specified for a given application example.

Typographical conventions

This manual uses the following typographical conventions:

Convention	Description
Bold	Bold typeface indicates commands or characters the user types, provides emphasis, or the names of user interface elements.
<i>Italic</i>	Italic typeface indicates the title of a document, or signifies new terms.
SMALL, BOLD CAPITAL LETTERS	Small, bold capital letters indicate OpenEdge key functions and generic keyboard keys; for example, GET and CTRL .
KEY1+KEY2	A plus sign between key names indicates a simultaneous key sequence: you press and hold down the first key while pressing the second key. For example, CTRL+X .
KEY1 KEY2	A space between key names indicates a sequential key sequence: you press and release the first key, then press another key. For example, ESCAPE H .
Syntax:	
Fixed width	A fixed-width font is used in syntax statements, code examples, system output, and filenames.
<i>Fixed-width italics</i>	Fixed-width italics indicate variables in syntax statements.
Fixed-width bold	Fixed-width bold indicates variables with special emphasis.
UPPERCASE fixed width	Uppercase words are ABL keywords. Although these are always shown in uppercase, you can type them in either uppercase or lowercase in a procedure.
	This icon (three arrows) introduces a multi-step procedure.
	This icon (one arrow) introduces a single-step procedure.
Period (.) or colon (:)	All statements except DO, FOR, FUNCTION, PROCEDURE, and REPEAT end with a period. DO, FOR, FUNCTION, PROCEDURE, and REPEAT statements can end with either a period or a colon.
[]	Large brackets indicate the items within them are optional.
[]	Small brackets are part of the ABL.
{ }	Large braces indicate the items within them are required. They are used to simplify complex syntax diagrams.
{ }	Small braces are part of the ABL. For example, a called external procedure must use braces when referencing arguments passed by a calling procedure.

Convention	Description
	A vertical bar indicates a choice.
...	Ellipses indicate repetition: you can choose one or more of the preceding items.

Examples of syntax descriptions

In this example, `ACCUM` is a keyword, and *aggregate* and *expression* are variables:

Syntax

```
ACCUM aggregate expression
```

`FOR` is one of the statements that can end with either a period or a colon, as in this example:

```
FOR EACH Customer:
  DISPLAY Name.
END.
```

In this example, `STREAM` *stream*, `UNLESS-HIDDEN`, and `NO-ERROR` are optional:

Syntax

```
DISPLAY [ STREAM stream ] [ UNLESS-HIDDEN ] [ NO-ERROR ]
```

In this example, the outer (small) brackets are part of the language, and the inner (large) brackets denote an optional item:

Syntax

```
INITIAL [ constant [ , constant ] ]
```

A called external procedure must use braces when referencing compile-time arguments passed by a calling procedure, as shown in this example:

Syntax

```
{ &argument-name }
```

In this example, `EACH`, `FIRST`, and `LAST` are optional, but you can choose only one of them:

Syntax

```
PRESELECT [ EACH | FIRST | LAST ] record-phrase
```

In this example, you must include two expressions, and optionally you can include more. Multiple expressions are separated by commas:

Syntax

```
MAXIMUM ( expression , expression [ , expression ] ... )
```

In this example, you must specify MESSAGE and at least one *expression* or SKIP [(*n*)], and any number of additional *expression* or SKIP [(*n*)] is allowed:

Syntax

```
MESSAGE { expression | SKIP [ ( n ) ] } ...
```

In this example, you must specify { *include-file*, then optionally any number of *argument* or &*argument-name* = "*argument-value*", and then terminate with }:

Syntax

```
{ include-file  
  [ argument | &argument-name = "argument-value" ] ... }
```

Long syntax descriptions split across lines

Some syntax descriptions are too long to fit on one line. When syntax descriptions are split across multiple lines, groups of optional and groups of required items are kept together in the required order.

In this example, WITH is followed by six optional items:

Syntax

```
WITH [ ACCUM max-length ] [ expression DOWN ]  
    [ CENTERED ] [ n COLUMNS ] [ SIDE-LABELS ]  
    [ STREAM-IO ]
```

Complex syntax descriptions with both required and optional elements

Some syntax descriptions are too complex to distinguish required and optional elements by bracketing only the optional elements. For such syntax, the descriptions include both braces (for required elements) and brackets (for optional elements).

In this example, ASSIGN requires either one or more *field* entries or one *record*. Options available with *field* or *record* are grouped with braces and brackets:

Syntax

```
ASSIGN  { [ FRAME frame ] { field [ = expression ] }
        [ WHEN expression ] } ...
        | { record [ EXCEPT field ... ] }
```

OpenEdge messages

OpenEdge displays several types of messages to inform you of routine and unusual occurrences:

- **Execution messages** inform you of errors encountered while OpenEdge is running a procedure; for example, if OpenEdge cannot find a record with a specified index field value.
- **Compile messages** inform you of errors found while OpenEdge is reading and analyzing a procedure before running it; for example, if a procedure references a table name that is not defined in the database.
- **Startup messages** inform you of unusual conditions detected while OpenEdge is getting ready to execute; for example, if you entered an invalid startup parameter.

After displaying a message, OpenEdge proceeds in one of several ways:

- Continues execution, subject to the error-processing actions that you specify or that are assumed as part of the procedure. This is the most common action taken after execution messages.
- Returns to the Procedure Editor, so you can correct an error in a procedure. This is the usual action taken after compiler messages.
- Halts processing of a procedure and returns immediately to the Procedure Editor. This does not happen often.
- Terminates the current session.

OpenEdge messages end with a message number in parentheses. In this example, the message number is 200:

```
** Unknown table name table. (200)
```

If you encounter an error that terminates OpenEdge, note the message number before restarting.

Obtaining more information about OpenEdge messages

In Windows platforms, use OpenEdge online help to obtain more information about OpenEdge messages. Many OpenEdge tools include the following Help menu options to provide information about messages:

- Choose **Help**→**Recent Messages** to display detailed descriptions of the most recent OpenEdge message and all other messages returned in the current session.
- Choose **Help**→**Messages** and then type the message number to display a description of a specific OpenEdge message.
- In the Procedure Editor, press the **HELP** key or **F1**.

On UNIX platforms, use the OpenEdge pro command to start a single-user mode character OpenEdge client session and view a brief description of a message by providing its number.



To use the pro command to obtain a message description by message number:

1. Start the Procedure Editor:

```
OpenEdge-install-dir/bin/pro
```

2. Press **F3** to access the menu bar, then choose **Help**→**Messages**.
3. Type the message number and press **ENTER**. Details about that message number appear.
4. Press **F4** to close the message, press **F3** to access the Procedure Editor menu, and choose **File**→**Exit**.

Welcome to OpenEdge Management and OpenEdge Explorer

This chapter provides an introduction to OpenEdge Management and OpenEdge Explorer. The chapter also includes information about service and support, as described in the following sections:

- [Introducing OpenEdge Management and OpenEdge Explorer](#)
- [What you receive with OpenEdge Management or OpenEdge Explorer](#)
- [OpenEdge Management overview](#)
- [OpenEdge Explorer overview](#)
- [OpenEdge Management: Getting started](#)

Introducing OpenEdge Management and OpenEdge Explorer

OpenEdge® Management provides database administrators and systems operations managers with the performance tools and processes required to configure, monitor, diagnose, and manage the OpenEdge environment. OpenEdge Management monitors local and remote OpenEdge databases, system resources (CPU, disk, memory, file system), file resources, OpenEdge server resources (AppServer, NameServer, DataServers for ODBC, Oracle, and MS SQL Server, and WebSpeed® Transaction Server), WebSpeed Messengers, and adapters (AppServer Internet Adapter, SonicMQ® Adapter, and Web services adapter). OpenEdge Management also monitors other components such as TCP-based network services. In addition, you can use OpenEdge Management to configure database, server, Messenger, and adapter properties.

Progress Software Corporation believes that you need a product that provides the best business and development solution, plus the highest level of services and support to back it up. OpenEdge Management's deep monitoring provides more information and more detail about your environment, enabling you to proactively manage operations and make your workday easier.

OpenEdge Explorer provides the functionality currently available in Progress Explorer, but within the OpenEdge Management console. You can set configuration properties, start or stop, and view the status of log files for various OpenEdge resources.

This chapter provides the essential information you need to begin using OpenEdge Management or OpenEdge Explorer. It contains an overview of OpenEdge Explorer along with information about the OpenEdge Management product and its features.

What you receive with OpenEdge Management or OpenEdge Explorer

When you purchase OpenEdge Management, you receive the following:

- The OpenEdge Management product CD. In this release, you can alternatively download OpenEdge Management from the Progress Software Corporation Electronic Software Download (ESD) site, which is <http://www.progress.com/esd>.
- The OpenEdge Management and OpenEdge Explorer documentation set in PDF format, available from the **Start→ Programs→ OpenEdge Management→ Documentation→ OpenEdge Management** menu
- The End-User Product License Agreement
- This manual, on the root directory of the product CD and in PDF format on the ESD site
- The Release Notes in PDF format on the ESD site
- The Release Notes in hard-copy format (with the software kit)

OpenEdge Management installs only against OpenEdge® Release 10.1C03 or 10.2A01. It can, however, remotely monitor Progress® Version 9.1E04 (with the latest Hotfix) or later resources, as well as resources from earlier OpenEdge releases.

If you purchased the SNMP Adapter product, it is included on and installed from the OpenEdge Management product CD. You simply enter the appropriate serial number and control numbers for the product during the installation process.

If any of the media or documentation are damaged or missing, call your supplier or Progress Software Corporation at (781) 280-4000. If you are outside of North America, call your regional sales office.

OpenEdge Explorer

OpenEdge Explorer does not require an end-user license. You install OpenEdge Explorer from the ESD site.

You can access the following documentation related to OpenEdge Explorer:

- The OpenEdge Management and OpenEdge Explorer documentation set in PDF format, available from the **Start→ Programs→ OpenEdge Explorer→ Documentation→ OpenEdge Explorer** menu
- This manual, on the root directory of the product CD and in PDF format on the ESD site.
- The Release Notes in PDF format on the ESD site.

OpenEdge Management and OpenEdge Explorer document set

The OpenEdge Management and OpenEdge Explorer document set contains the following manuals:

- *OpenEdge Management and OpenEdge Explorer: Installation* (this guide)

Describes planning for an OpenEdge Management or OpenEdge Explorer installation and provides installation procedures for both Windows and UNIX platforms.
- *OpenEdge Management and OpenEdge Explorer: Getting Started*

Describes how to start OpenEdge Management and OpenEdge Explorer for the first time and how to establish initial configuration settings and secure communications. It also describes the management console and how to set up remote monitoring and configuration for OpenEdge Management and remote configuration for OpenEdge Explorer.
- *OpenEdge Management and OpenEdge Explorer: Configuration*

Describes how to establish property and configuration settings for OpenEdge databases, DataServers (for ODBC, Oracle, and MS SQL Server), NameServers, AppServers, AppServer Internet Adapters, Web Services Adapters, WebSpeed® Transaction Servers, WebSpeed Messengers, and SonicMQ® Adapters in OpenEdge Management and OpenEdge Explorer. In addition, this manual also includes details about viewing status and log files.
- *OpenEdge Management: Resource Monitoring*

Provides detailed information about the management console; the procedures to set up and run resource monitors, jobs, job templates; and the procedures to perform OpenEdge Management-based import and export activities.
- *OpenEdge Management: Database Management*

Describes how to use OpenEdge Management to monitor and manage OpenEdge database resources.
- *OpenEdge Management: Alerts Guide and Reference*

Presents alert concepts and procedures and provides a comprehensive reference section to assist you in working with the OpenEdge Management alerts feature.
- *OpenEdge Management: Servers, DataServers, Messengers, and Adapters*

Describes how OpenEdge Management supports monitoring and managing specific resources associated with the OpenEdge server products (AppServer, WebSpeed Transaction Server, and NameServer), DataServers (ODBC, Oracle, and MS SQL Server), WebSpeed Messengers, and Adapters (AppServer Internet Adapter, SonicMQ Adapter, and Web Services Adapter).
- *OpenEdge Management: Reporting*

Provides detailed information about creating and working with report instances and templates.

- *OpenEdge Management: Trend Database Guide and Reference*

Describes how to manage the OpenEdge Management Trend Database by compacting and purging data. This book also provides a detailed look at the Trend Database schema.

- *OpenEdge Revealed: Mastering the OpenEdge Database with OpenEdge Management*

Describes best practices for building and maintaining your OpenEdge-based system by exploring the internals of your system, examining the role of the database administrator, and giving examples of the various tools available, including OpenEdge Management.

So that you can access the PDF documentation while you work, the PDF files are installed with OpenEdge Management and OpenEdge Explorer. You can access these PDF files from **Start→Programs→OpenEdge Management** or **OpenEdge Explorer** program folder→**Documentation** menu.

You can also access the documentation from the management console after you install OpenEdge Management or OpenEdge Explorer. Select **Help→Documentation**.

Accessing OpenEdge product documentation on the Web

For your convenience, you can access the most recent OpenEdge product documentation from the following Web site:

<http://www.psdn.com/library/kbcategory.jspa?categoryID=129>

OpenEdge Management overview

OpenEdge Management includes the following key features and benefits:

- Provides centralized monitoring of the OpenEdge environment to present a comprehensive picture of the health and performance of your OpenEdge application.
- Can be used immediately to monitor local log files and resources running on a local machine. You can also use OpenEdge Management to monitor resources running under an AdminServer on a remote machine.
- Allows you to make configuration changes to resource instances. These changes are then automatically reflected in Progress Explorer and the corresponding property file—`conmgr.properties` for a database and `ubroker.properties` for the remaining resources.
- Allows you to create collections and custom views from the **My Dashboard** page. You can create and use a collection to better organize and operate on resources. You can also optionally create one or more custom views in OpenEdge Management and specify exactly what types of information you want to see. The information provides, sometimes in a graphical format, a customized view of your various resources' status.
- Offers a graphical display of database views, which allows you to see at a glance what is happening in the database. The graphics appear in several different, easy-to-understand charts whose display you can open as a separate window and customize in style and size.

A graphical representation of data also appears in the summary information for other resources—such as OpenEdge server resources, memory, CPU, disk, file, or file system resource—and for several AppServer- and WebSpeed-related performance views.

- Enables you to configure alerts to notify appropriate IT personnel of problems with your OpenEdge applications. For example, you can configure alerts to send e-mail notifications to IT personnel and to execute scripts.
- Allows you to view, print, and save reports showing historical and trend data related to all of the monitored resources. Each report instance that you create and run is based on a report template, either one of the over 20 provided by OpenEdge Management, or one of your own creation. You can also write custom reports with ABL or use other reporting tools, such as Crystal Reports. Use this feature to help with capacity planning and forecasting.

OpenEdge-related reports include a graphical and an HTML display of information.

- Is easy to deploy, configure, and use. A multi-platform user interface allows you to configure and use OpenEdge Management through any compatible Web browser.
- Allows you to define batch-style application programs using your existing scripts as OpenEdge Management jobs. You can schedule the jobs for execution at regular intervals. OpenEdge Management also provides historical reports of the jobs.
- Is non-intrusive. You are not required to make any changes to the network applications you choose to monitor.

- Allows you to use Secure Sockets Layer (SSL) when you are setting up:
 - Remote trending of data to the OpenEdge Management Trend Database
 - The OpenEdge Management Web server
- Allows you to query a running AppServer to see a list of client systems to which the AppServer is currently connected. This information may be helpful in identifying application components that may have malfunctioned.
- Supports TCP/IP versions 4 and 6.

OpenEdge Explorer overview

You can use OpenEdge Explorer to perform the same functionality you can perform with Progress Explorer, but within the graphical user interface console also used by OpenEdge Management. The console runs in a browser, making it accessible in Windows and on supported UNIX platforms.

OpenEdge Explorer allows you to:

- Create and delete new instances of licensed resources
- Set or modify properties for these instances
- Start or stop the instances (where applicable)
- View a real-time status of the instances
- View an instance's log file

OpenEdge Explorer feature availability

As you work with OpenEdge Explorer within the console, you might see that certain links and functionality are not available. In general, the settings you can establish and the options you can access when using OpenEdge Explorer (and OpenEdge Management) are determined both by the platform you are using and the products that you are licensed to use. If you notice that a particular property setting is dimmed in the OpenEdge Explorer console and not available for modification, it is because that property has no meaning within your operating environment or your licensed configuration.

OpenEdge Management: Getting started

To help you get started with OpenEdge Management, [Figure 1–1](#) illustrates the major OpenEdge Management tasks in the order they are typically performed. This diagram is not intended to depict all of the features or functionality in OpenEdge Management, but rather to provide a high-level view. Use the information in [Table 1–1](#) to locate information on performing each task.

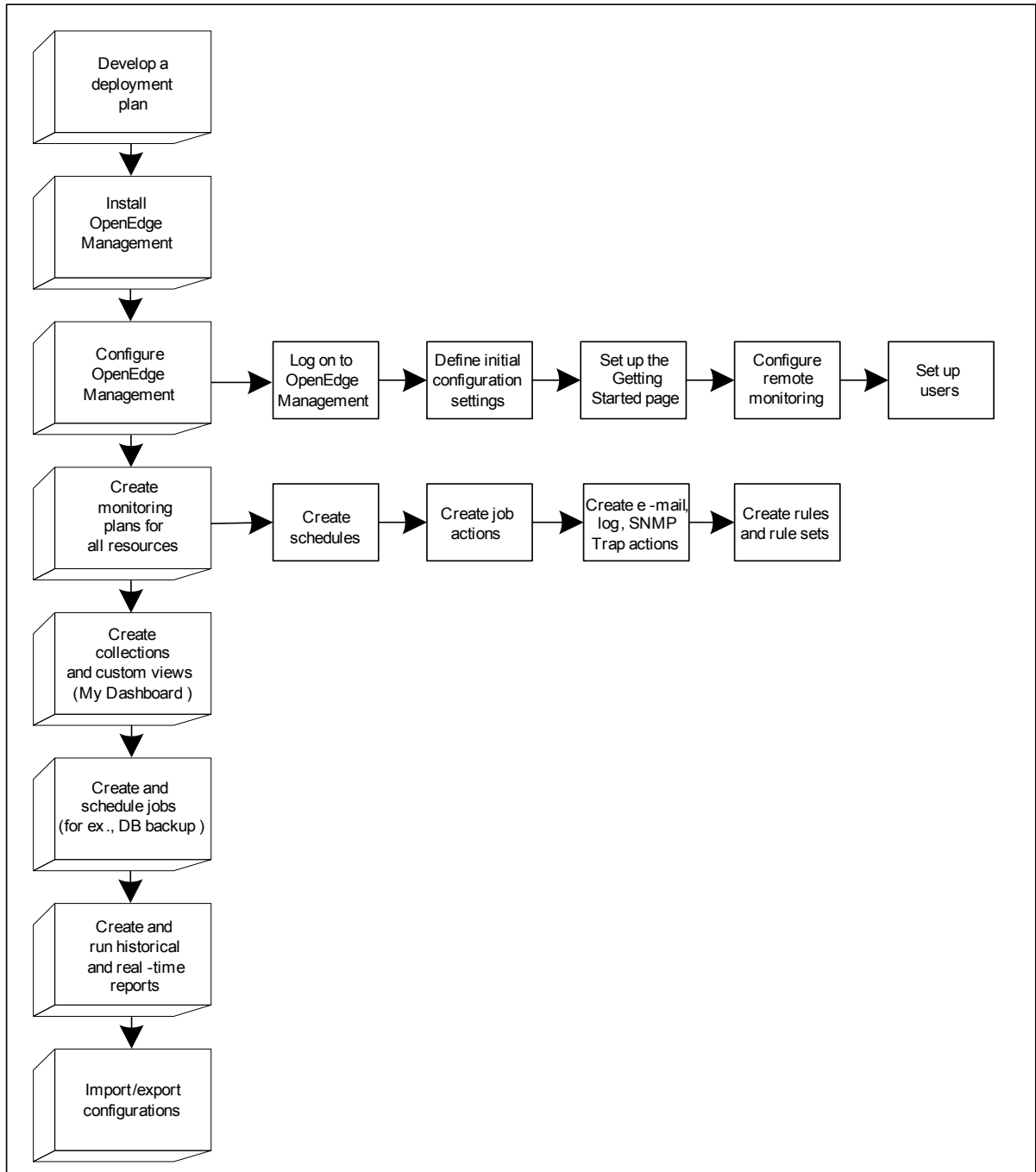


Figure 1–1: OpenEdge Management workflow overview

Table 1–1: Documentation for major OpenEdge Management tasks

(1 of 2)

For information on this task . . .	See . . .
Developing a deployment plan before you install OpenEdge Management	This guide
Installing OpenEdge Management in each Windows or on each UNIX system that you plan to monitor	This guide
Setting up OpenEdge Management or OpenEdge Explorer, which includes logging on and defining initial settings	This guide
Setting up OpenEdge Management for remote monitoring and configuration, and OpenEdge Explorer for remote configuration; and setting up users.	This guide
Updating initial OpenEdge Management settings related to authorized users, user preferences, the SNMP Adapter, and other configuration settings in the following categories: general, OpenEdge Management Trend Database, Web server, e-mail alerts, and resource monitoring	This guide
Using the HTTPS (SSL) protocol for trending to a remote database or for communication between an OpenEdge Management Web server and client	This guide
Creating new instances of resources, and setting or modifying their configuration properties	<i>OpenEdge Management and OpenEdge Explorer: Configuration</i>
Creating monitoring plans for and managing system, network, file, and OpenEdge resources in OpenEdge Management	<i>OpenEdge Management: Resource Monitoring</i>
Creating collections and custom views (My Dashboard) in OpenEdge Management	<i>OpenEdge Management: Resource Monitoring</i>
Creating and scheduling jobs in OpenEdge Management	<i>OpenEdge Management: Resource Monitoring</i>
Importing and exporting configurations in OpenEdge Management	<i>OpenEdge Management: Resource Monitoring</i>
Creating and running reports in OpenEdge Management	<i>OpenEdge Management: Reporting</i>
Creating monitoring plans for and managing database resources in OpenEdge Management	<i>OpenEdge Management: Database Management</i>

Table 1–1: Documentation for major OpenEdge Management tasks

(2 of 2)

For information on this task . . .	See . . .
Creating monitoring plans for and managing OpenEdge server, DataServer, Messenger, and Adapter resources	<i>OpenEdge Management: Servers, DataServers, Messengers, and Adapters</i>
Understanding and working with OpenEdge Management alerts	<i>OpenEdge Management: Alerts Guide and Reference</i>
Managing your OpenEdge Management Trend Database by compacting and purging data, and understanding the trend database schema	<i>OpenEdge Management: Trend Database Guide and Reference</i>

Before You Install OpenEdge Management or OpenEdge Explorer

In the following sections, this chapter provides details about installing OpenEdge Management and OpenEdge Explorer, including any OpenEdge requirements that must be in place, as well as any other OpenEdge Management requirements:

- [OpenEdge requirements](#)
- [Installing OpenEdge Management or OpenEdge Explorer](#)
- [Planning your installation](#)
- [System requirements](#)
- [OpenEdge Management CPU and memory requirements](#)

OpenEdge requirements

You can install this release of OpenEdge Management or OpenEdge Explorer against either an OpenEdge Release 10.1C03 or later or 10.2A01 installation. The presence of one of these OpenEdge releases must be detected during the OpenEdge Management or OpenEdge Explorer installation in order for it to proceed.

Associating installed versions

Each OpenEdge Explorer or OpenEdge Management install must be associated on a one-to-one basis with an OpenEdge install.

When you begin the OpenEdge Management or OpenEdge Explorer install, the installation process verifies that there is an available, unassociated OpenEdge install. If you are installing OpenEdge Management or OpenEdge Explorer and two versions of OpenEdge are detected, you can choose which version you want to associate with the new OpenEdge Management or OpenEdge Explorer install.

You can also install two instances, for example, of OpenEdge Management or OpenEdge Explorer on a single system as long as each one is associated with a separate OpenEdge install.

Using OpenEdge Management you can remotely monitor Progress® Version 9.104 (with the latest Hotfix) resources as well as resources from earlier OpenEdge releases. Note that versions may require a minimum Service Pack level.

Installing OpenEdge Management or OpenEdge Explorer

You can install OpenEdge Management or OpenEdge Explorer on supported platforms either in Windows or on UNIX.

For a list of the supported platforms and minimum Java level requirements, see <http://www.psdn.com/library/entry.jspa?externalID=3233>.

This manual covers the following OpenEdge Management or OpenEdge Explorer installation scenarios:

- [Installing OpenEdge Explorer](#)
- [Installing OpenEdge Management and OpenEdge Explorer](#)
- [Upgrading to OpenEdge Management after installing OpenEdge Explorer](#)

Installing OpenEdge Explorer

Provided you have already installed OpenEdge Release 10.1C03 or later or 10.2A01, you can install OpenEdge Explorer by entering the serial number and control codes provided on the ESD site at <http://www.progress.com/esd>.

Installing OpenEdge Management and OpenEdge Explorer

Provided you have already installed OpenEdge Release 10.1C03 or later or 10.2A01, you can install OpenEdge Management by entering the serial number and control codes provided either on the ESD site or in the licensing information you receive with the product. When you install OpenEdge Management, all the OpenEdge Explorer functionality is also installed. It is not necessary for you to enter the serial number and control codes for OpenEdge Explorer separately in this installation scenario.

Upgrading to OpenEdge Management after installing OpenEdge Explorer

You can purchase and upgrade to OpenEdge Management after installing OpenEdge Explorer. Any property configurations you have set in OpenEdge Explorer are preserved.

For details, refer to the *OpenEdge Management and OpenEdge Explorer Release Notes*.

Planning your installation

OpenEdge Management is a browser-based management tool that you can use to monitor databases, files, networks, OpenEdge components, and system resources in an OpenEdge environment.

OpenEdge Explorer is also browser-based and allows you to set configuration properties for various OpenEdge resources, as well as to start and stop them, view their status, and view their log file data.

Installing OpenEdge Management or OpenEdge Explorer for the first time

There are several factors to consider before you install OpenEdge Management or OpenEdge Explorer for the first time. For example, you should analyze what you need to configure or monitor before you begin the installation. You also must decide where to install OpenEdge Management or OpenEdge Explorer components.



To prepare to install OpenEdge Management or OpenEdge Explorer:

1. Determine the names and locations of the resources that you need to monitor and the properties you want to configure. You can configure properties for resources associated with local and remote AdminServers. With OpenEdge Management, you can also monitor certain resources running under a local or remote AdminServer.
2. (In OpenEdge Management only) Determine whether to save monitoring information to the OpenEdge Management Trend Database and, when saving the monitoring information, decide where to locate the database.

The OpenEdge Management Trend Database stores the monitoring information that OpenEdge Management collects for databases, system resources, file resource, network resources, the AppServer, WebSpeed Transaction Server, and the NameServer. During configuration, you can choose whether to save monitoring information locally, remotely, or not at all. Before installation, you should decide if you want to save this data and where you want to save it.

OpenEdge Management automatically creates the OpenEdge Management Trend Database if you have an OpenEdge® Enterprise RDBMS, an OpenEdge® Workgroup RDBMS, or an OpenEdge® Personal database installed on the same machine where you are installing OpenEdge Management.

If you decide to save monitoring information remotely, the remote machine must have both a database (Enterprise or Workgroup) and OpenEdge Management installed. In other words, you cannot just copy a trending database to a remote machine.

The local instance of OpenEdge Management needs to communicate with a remote instance of OpenEdge Management to use the remote trending database.

3. (In OpenEdge Management only) Determine how monitoring might affect system performance.

The more resources you monitor, the more system resources OpenEdge Management uses. If you plan to monitor a large number of database servers and network services in your configuration, you might want to consider configuring additional OpenEdge Management instances, both locally and remotely.

See the [“OpenEdge Management CPU and memory requirements”](#) section on page 2–7 for more information.

4. Determine where to install OpenEdge Management or OpenEdge Explorer.

Based on the decisions you made in Steps 1 through 4, you can install OpenEdge Management or OpenEdge Explorer locally or on a separate or standalone machine.

See the [“Product support”](#) section on page 2–6 for more information.

System requirements

Most of the system requirements for OpenEdge Management or OpenEdge Explorer are the same as those for OpenEdge.

Product support

To use all of OpenEdge Explorer's features, you must have a database or server/broker installation.

To use all of OpenEdge Management's features, you must install products that support the following functionality:

- The AdminServer
- A Workgroup or Enterprise database, to allow trending of OpenEdge Management data
- A client networking license, to allow OpenEdge Management to run standard jobs and reports

OpenEdge Management platform support

OpenEdge Management is designed to run on OpenEdge. For a list of the supported platforms and minimum Java level requirements, go to:

<http://www.psdn.com/library/entry.jspa?externalID=3233>

You can also find information about product availability in the following location:

<http://www.psdn.com/library/entry!default.jspa?categoryID=1592&externalID=3233&fromSearchPage=true>

Browser support

A Web browser is required to run the OpenEdge Management or OpenEdge Explorer graphical user interface known as the management console. Although you might find other browsers that you can use with OpenEdge Management or OpenEdge Explorer, the following browsers are supported in Windows platforms:

- Firefox
- Firefox Opera
- Internet Explorer

On UNIX platforms, the following browsers are supported:

- Mozilla
- Firefox

OpenEdge Management CPU and memory requirements

OpenEdge Management consumes both CPU and memory on the system where it is running. The amount consumed varies based on the number and types of resources being monitored, the frequency with which they are polled, and the processing power of the host system.

CPU use

OpenEdge Management CPU utilization should typically be in the range of 1-5% (with possible spikes as noted below). Factors that might result in greater levels of CPU utilization include:

- **A very high number of monitored resources relative to the processing power of the host system** — The number of resources you can monitor with OpenEdge Management before it introduces an unacceptable CPU load is very dependent upon the processing power of the host system.

On most systems monitoring a moderate number of resources such as 10 databases, 20 system resource monitors, and 20 network resource monitors, the CPU load of OpenEdge Management should be minimal. Host systems with greater processing power will be able to support greater resource counts.

- **A very short polling interval on monitored resources** — Each poll of a resource requires a small measure of CPU utilization. Polling a lot of resources with very short polling intervals will increase OpenEdge Management load on the CPU. Using the default OpenEdge Management polling interval should minimize this problem.

If OpenEdge Management CPU utilization becomes a problem, you can reduce it by increasing the polling interval of monitored resources. For example, rather than polling databases every 5 minutes, you can set them to poll every 15 minutes.

- **A very high level of user interaction with OpenEdge Management through the management console** — Each page displayed in the console needs to be produced by OpenEdge Management, and, therefore, requires a small measure of CPU utilization. A very high level of user interaction with the console will increase OpenEdge Management load on the CPU. This is especially true of any page that displays graphical data.

One feature to be particularly conscious of is the OpenEdge Management Auto Refresh capability. This feature allows you to configure the OpenEdge Management console such that the displayed pages are automatically refreshed at a specified rate. Automatically refreshing pages with lots of graphical data at a high frequency will increase OpenEdge Management load on the CPU. For details about the Auto Refresh feature, see [OpenEdge Management and OpenEdge Explorer: Getting Started](#).

- **Very high levels of report execution** — OpenEdge Management uses an OpenEdge database for storing trend information and ABL for running reports. This combination makes OpenEdge Management historical reports very efficient; however, running reports very frequently or against a large volume of historical data will increase OpenEdge Management load on the CPU.

You should use the OpenEdge Management scheduling facility to schedule reports to run at off-peak hours. You can also install a copy of OpenEdge Management on a nonproduction host and use it as the trend database for the OpenEdge Management install on your production hosts. Doing this will allow you to offload the management of trend data and run historical reports from your production host.

- **A large number of jobs** — Like reports, jobs can put a heavy load on the CPU. The scheduling algorithm of your operating system might give all available CPU time to execute jobs or reports, which can cause a spike in CPU utilization while the job or report is running. You should schedule CPU-intensive jobs, such as database backups, to run at off-peak hours to minimize the chances of introducing too much overhead during peak system times. Offloading jobs to nonproduction systems is another option.

Memory use

OpenEdge Management memory utilization is directly related to the number and types of resources being monitored. The AdminServer with OpenEdge Management loaded but no resources defined requires 25MB to 35MB of RAM memory. This requirement can vary based upon the platform and the number of other OpenEdge products installed.

As you add resources to OpenEdge Management, the memory requirements increase. Each monitored database requires about 2MB of memory. Other monitored resource types require much less, typically in the range of 10KB to 100KB per resource.

OpenEdge Management allows you to store the data being used for graphs. This increased storage can cause a significant increase in memory usage.

Factors you can control to manage OpenEdge Management memory utilization include:

- **The number of monitored resources** — If OpenEdge Management is consuming an unacceptable amount of memory, you can reduce the number of monitored resources. You can also choose to install an instance of OpenEdge Management on a nonproduction host and use that host to monitor network and log file resources. This would remove the load from your production hosts, leaving on them only the monitoring of local system resources and databases.
- **Use of the OpenEdge Management remote database monitoring agent** — Using an instance of OpenEdge Management on a nonproduction host in conjunction with the remote database monitoring agent will allow you to greatly minimize overhead on your production systems. In this configuration, the majority of OpenEdge Management activity is off-loaded to a nonproduction host. Only the overhead of the remote database agent will be incurred on your production systems. This overhead is minimal.
- **Adding remote monitoring on the OpenEdge Management machine** — The addition of remote monitoring will substantially increase memory use.

Installing OpenEdge Management or OpenEdge Explorer in Windows

This chapter provides information related to installing OpenEdge Management or OpenEdge Explorer in Windows systems, as outlined in the following sections:

- [Preinstallation tasks in Windows systems](#)
- [Installing OpenEdge Management or OpenEdge Explorer in Windows](#)
- [Optionally configuring the OpenEdge Management Trend Database](#)
- [Installing additional related products](#)
- [Accessing documentation](#)
- [Using the InstallShield silent \(batch mode\) utility](#)
- [Uninstalling OpenEdge Management or OpenEdge Explorer in Windows](#)

Preinstallation tasks in Windows systems

You can install OpenEdge Management or OpenEdge Explorer provided you have either OpenEdge Release 10.1C03 or later or 10.2A01 installed.

Reading OpenEdge Management and OpenEdge Explorer documentation before installing

It is very important that you read the following two documentation sources before you begin to install OpenEdge Management or OpenEdge Explorer:

- [Chapter 2, “Before You Install OpenEdge Management or OpenEdge Explorer”](#) — For information on installation planning details and system requirements
- *OpenEdge Management and OpenEdge Explorer Release Notes* — For possible supplemental or corrected installation information

The information provided in this guide is current as of its publication date; however, requirements can change. To make sure that you have the most up-to-date information, please be sure to refer to the release notes.

Other preliminary tasks

There are several tasks you must perform before you install OpenEdge Management or OpenEdge Explorer.



To prepare to install OpenEdge Management or OpenEdge Explorer:

1. Make sure that you have the required release of OpenEdge (10.1C03 or 10.2A01) installed.
2. Obtain the serial number and control numbers for your installation of OpenEdge Explorer, OpenEdge Management, and the SNMP Adapter. Both OpenEdge Management and the SNMP Adapter require licenses; their serial number and control numbers are provided in the information you receive with the OpenEdge Management installation media and on the ESD site. The serial and control numbers for OpenEdge Explorer are available on the ESD site.
3. Obtain administrative privileges on the machine on which you are installing OpenEdge Explorer or OpenEdge Management. You cannot install unless you are logged in as administrator or have administrative privileges associated with your account. For more information, see your Windows documentation or consult with your system administrator.

Installing OpenEdge Management or OpenEdge Explorer in Windows

Be sure to have the serial and control numbers for OpenEdge Explorer, OpenEdge Management, and the SNMP Adapter (if applicable) handy before you begin the installation.

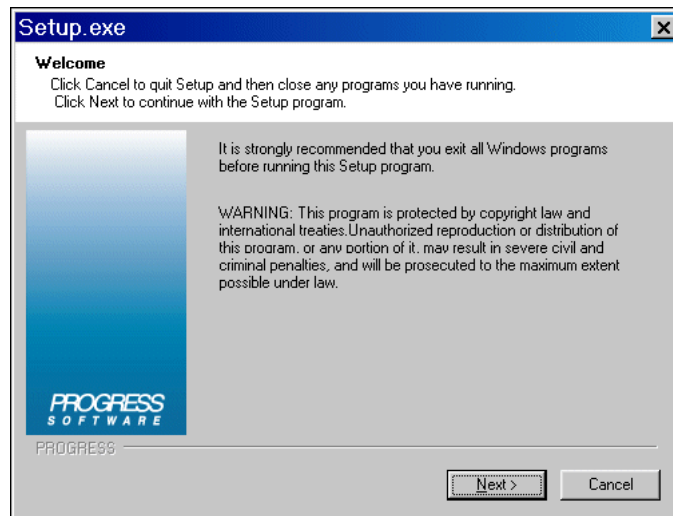
You can find these numbers for OpenEdge Explorer on the ESD site. For OpenEdge Management and the SNMP Adapter, the numbers are included in your OpenEdge Management media kit.



To install OpenEdge Management or OpenEdge Explorer:

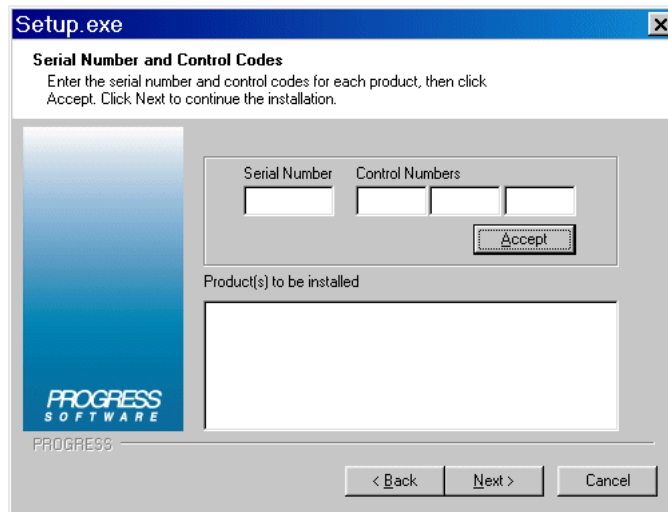
1. Stop the AdminServer. If you do not stop the AdminServer, the install detects that the AdminServer is running and discontinues the installation process.
2. Do one of the following:
 - Go to the ESD site (<http://www.progress.com/esd>).
 - (For OpenEdge Management only) Insert the installation CD into your CD-ROM drive. If the CD does not run automatically, double-click setup.exe in the root directory of the CD.

The **Welcome** dialog box appears.



3. Click **Next**. If more than one supported version of OpenEdge is detected, the **Supported Versions of OpenEdge Installed** dialog box appears.

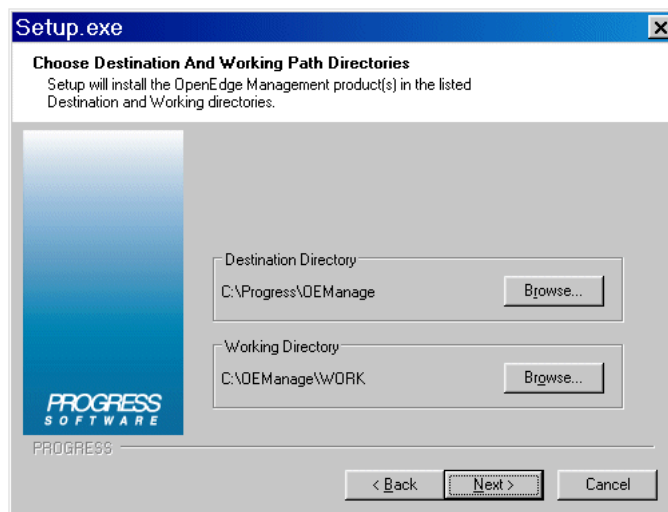
4. Select the version you want to associate with this install of OpenEdge Management or OpenEdge Explorer, and then click **Next**. The **Serial Number and Control Codes** dialog box appears:



5. Enter the serial number and control numbers for OpenEdge Management or OpenEdge Explorer in the **Serial Number** and **Control Numbers** fields. (Note that if you are installing OpenEdge Management, it is not necessary to also enter a serial number or control codes for OpenEdge Explorer.)

Click **Accept**. The **Product(s) to be installed** list updates to include OpenEdge Explorer or OpenEdge Management.

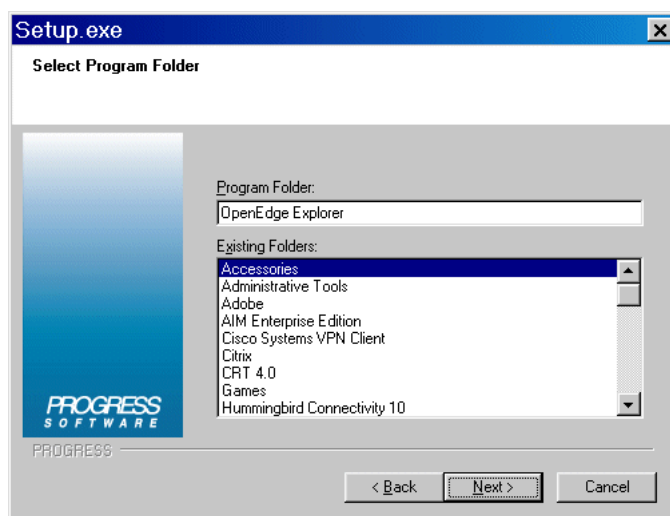
6. If applicable, enter the serial number and control numbers for the SNMP Adapter in the **Serial Number** and **Control Numbers** fields. Click **Accept**. The **Product(s) to be installed** list updates to include the SNMP Adapter.
7. Click **Next**. The **Choose Destination And Working Path Directories** dialog box appears and identifies where the installation will create these directories:



8. Specify the destination and working directories. You can change the defaults by choosing the **Browse** buttons.

Note: If you are installing multiple instances of OpenEdge Management or OpenEdge Explorer on a system that has multiple versions of OpenEdge installed, make sure that each instance of OpenEdge Management or OpenEdge Explorer has a unique **Destination Directory** and a unique **Working Directory**.

9. Click **Next**. The **Select Program Folder** dialog box appears:

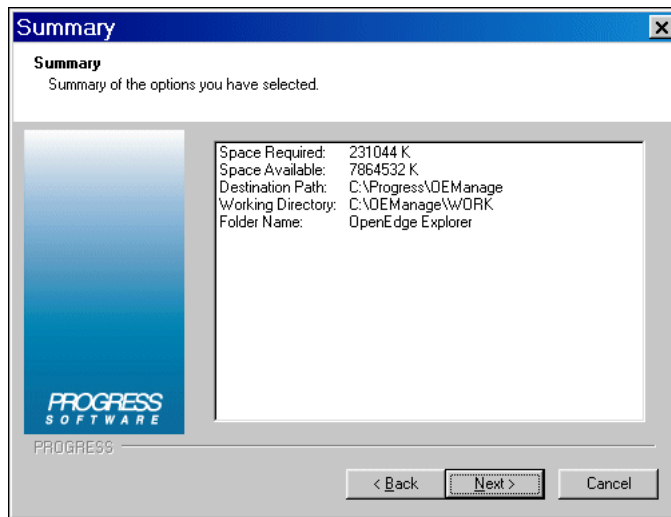


You can accept the default folder, specify another folder, or select an existing folder. If you are installing OpenEdge Explorer, the default program folder is **OpenEdge Explorer**. If you are installing OpenEdge Management, the default folder is **OpenEdge Management and OpenEdge Explorer**.

10. Specify the program folder in the **Program Folder** field, and click **Next**.

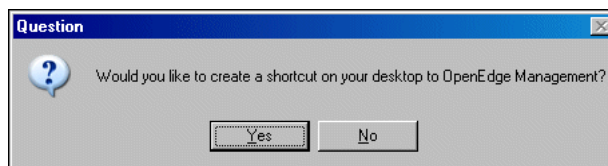
Note: If you are installing multiple instances of OpenEdge Management on a system that has multiple versions of OpenEdge installed, make sure that each instance of OpenEdge Management has a unique Program Folder name.

The **Summary** dialog box lists the choices you made in the previous dialog boxes, as shown:

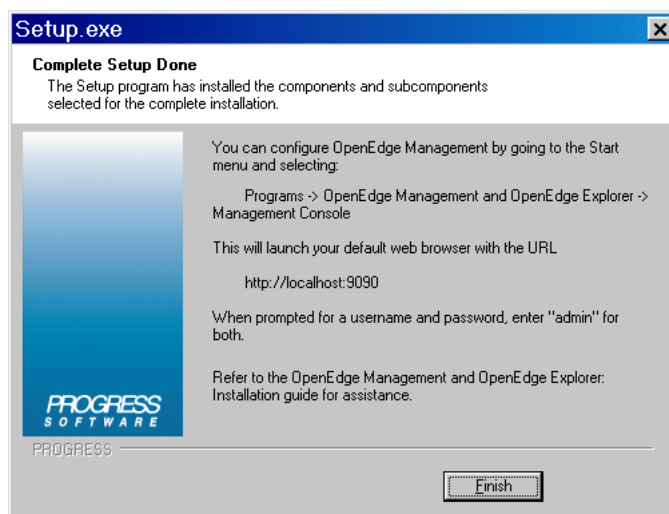


11. Review the summary information for this installation.
12. Click **Back** if you need to make any change.

Click **Next** to continue, if the options are correct. The installation proceeds and displays messages that indicate the status of the install. The following window then appears:



13. Click **Yes** to add the **Management Console** shortcut; otherwise, click **No**. The **Complete Setup Done** dialog box appears:



14. Click **Finish**.
15. Restart the AdminServer.

Change to the OpenEdge install directory

When you install OpenEdge Management, the file addons is added to the OpenEdge install directory in Windows platforms.

Optionally configuring the OpenEdge Management Trend Database

After you install OpenEdge Management and before you begin the configuration in the OpenEdge Management console (as described in [Chapter 2, “Setting Up OpenEdge Management or OpenEdge Explorer for the First Time”](#)), you can preallocate file system space in the OpenEdge Management Trend Database. This preallocation step is optional; however, it will make the database run more efficiently if you create fixed length extents before the database is created.



To preallocate file system space:

1. Copy the OpenEdge Management Trend Database structure file (`fathom.st`) that exists in `<OpenEdgeManagement-install-dir>\db` to the directory where the database will reside. The default directory is `Progress\OEManage\db`.
2. Edit the file, and add fixed length data extents to area 7.
3. Continue with the configuration as described in [OpenEdge Management and OpenEdge Explorer: Getting Started](#). When the OpenEdge Management Trend Database is created, the database uses the structure file that exists in the directory where the database is being created.

For more information about editing `.st` files, see *OpenEdge Data Management: Database Administration*.

Installing additional related products

You can later add another product to an existing OpenEdge Management or OpenEdge Explorer installation as follows:

- To an existing OpenEdge Explorer install, you can upgrade to OpenEdge Management and then install the SNMP Adapter, provided you have purchased the required licenses.
- To an existing OpenEdge Management install, you can add the SNMP Adapter, provided you have purchased the required license.



To add a related product to an existing installation:

1. Stop the AdminServer. If you do not stop the AdminServer, the install detects that the AdminServer is running and discontinues the installation process.
2. Do one of the following:
 - Go to the ESD site (<http://www.progress.com/esd>).
 - (For OpenEdge Management only) Insert the installation CD into your CD-ROM drive. If the CD does not run automatically, double-click `setup.exe` in the root directory of the CD.
3. If you are upgrading to OpenEdge Management or have more than one version of OpenEdge Management installed, the **OpenEdge Management Installed Versions** dialog box appears. Select the version you are upgrading or adding to.
4. Click **Next**. The **Welcome to OpenEdge Management Installation Utility** dialog box appears.
5. Click **Next**. The **Serial Number and Control Codes** dialog box appears.
6. Enter the serial number and control numbers for the additional product in the **Serial Number** and **Control Numbers** fields; then click **Accept**. The **Product(s) to be installed** list updates to include the additional product.
7. Click **Next**. The **Choose Destination And Working Path Directories** dialog box appears and identifies where the additional product will be installed.

If you are adding OpenEdge Management, it is automatically installed in the existing OpenEdge Explorer install directory. If you are adding the SNMP Adapter, it is automatically installed in the existing OpenEdge Management install directory.

In either case, you do have the option to specify a different Working Directory.

8. Click **Next**. The **Select Program Folder** dialog box appears and allows you to accept the default folder, specify another folder, or select an existing folder.
9. Specify the Program Folder in the **Program Folders** field, and click **Next**. The **Summary** dialog box lists the choices you made in the previous dialog boxes.
10. Review the summary information for this installation.

11. Click **Back** if you need to make any changes, or click **Next** to continue if the options are correct. The installation proceeds and displays messages that indicate the status of the install. The **Complete Setup Done** dialog box appears.
12. Click **Finish**.
13. Restart the AdminServer.

When you restart OpenEdge Management or OpenEdge Explorer, you use the password you created, not the **admin** default.

Accessing documentation

The OpenEdge Management and OpenEdge Explorer manuals are available as follows:

- In PDF format from the **Start**→**Programs**→**OpenEdge Management** or **OpenEdge Explorer** program folder→**Documentation** menu.
- From the **Help**→**Documentation** link or the context-sensitive help question mark icon in the management console, after an install.
- In PDF and HTML format from the Progress Software Developers Network (PSDN) Web site in the following location:

<http://www.psdn.com/library/kbcategory.jspa?categoryID=129>

For best results when using the PDF files, install the Acrobat Reader. You can download the Reader from the following location on the Adobe Web site:


<http://www.adobe.com/products/acrobat/readstep2.html>

In addition to this manual, the following documents comprise the OpenEdge Management and OpenEdge Explorer document set:

- *OpenEdge Management and OpenEdge Explorer: Getting Started*
- *OpenEdge Management and OpenEdge Explorer: Configuration*
- *OpenEdge Management: Resource Monitoring*
- *OpenEdge Management: Alerts Guide and Reference*
- *OpenEdge Management: Trend Database Guide and Reference*
- *OpenEdge Management: Servers, DataServers, Messengers, and Adapters*
- *OpenEdge Management: Database Management*
- *OpenEdge Management: Reporting*

Using online Help

You can access online help in two different ways:

- From the detail control bar at the bottom of the management console, click the **Help** icon  to see context-sensitive help directly related to the active console page.
- From the management console menu bar, choose **Help**→**Documentation** for an online version of the OpenEdge Management and OpenEdge Explorer guides.

Using the InstallShield silent (batch mode) utility

The standard, interactive installation receives necessary information by prompting you and recording your input from dialog boxes. By contrast, a silent or batch mode installation does not prompt you for input. Instead, InstallShield Silent (ISS) reads input information from a file called a *response file*. You must create the response file before running a silent or batch installation.

Creating a response file automatically

The preferred method for creating a response file is to create it automatically.

To create a response file automatically, run OpenEdge Management's or OpenEdge Explorer's `setup.exe` with the options indicated in the following syntax:

```
setup.exe -psc_r [-psc_f1=C:\pathname\ResponseFilename]
```

By default, the response file is created in your Windows directory. You can use the `-f1` option to specify an alternate directory and filename for the response file.

Note: Be sure that there is no space between `-f1` and the equal sign or between the equal sign and `C:\pathname\ResponseFile`.

When you run `setup.exe` with the option as shown, InstallShield runs the installation interactively and creates the response file, which contains all of your installation choices.

Creating the response file manually

You can create and edit a response file in any text editor by adding necessary sections in a predefined order.



To create a response file manually:

1. Create a new text file using any text editor.
2. Enter the response file's required sections in the following order, noting that section names are contained in brackets:
 - a. Silent Header Section [InstallShield Silent].
 - b. Application Header Section [Application].
 - c. Dialog Data Sections, for example [SerialControlNumber Dialog].
3. Edit the necessary data within each section name. Data entries consist of name=value pairs, such as szDirWrk=C:\OEManage\WORK.
4. Save and close the response file.

The following sample shows what a response file looks like:

```
[InstallShield Silent]
Version=7.1.100.1242
File=Response File
[File Transfer]
OverwrittenReadOnly=NoToAll
[Application]
Name=OpenEdge Management
Version=10.2x
Company=Progress Software
Lang=9
[SdWelcome]
Result=1
[SerialControlNumber Dialog]
nvCount=1
svSerialNumber-0=XXXXXXXXXX
svControlNumber_1-0=xxxxx
svControlNumber_2-0=xxxxx
svControlNumber_3-0=xxxxx
_bInstallingDB=0
_bMessengerInstalled=0
_bProgressExplorerLocalOption=1
_nDbProdnumBitmask=0
_bInstallingColorEditor=0
_bInstallingFathom=1
_szUseSourceEditor=NULL
_nWebServicesProducts=0
_bInstallingOpenEdgeStudio=0
_bInstallingWSA=0
_bInstallingSonicEsbAdapter=0
_bInstallingSonicMqAdapter=0
_bInstallingWebspeed=0
_bSonicEsbProductNumberEntered=0
Result=1

(continued)
```

```
[TargetDirectory Dialog]
szDirDest=C:\Progress\OEManage
szDirWrk=C:\OEManage\WORK
Result=1
[UserInstallationType Dialog]
_bQuickInstallRadioButton=1
_bCustomInstallRadioButton=0
_bTypicalInstallRadioButton=0
Result=1
[SdSelectFolder]
szFolder=OpenEdge Management
Result=1
[SdShowInfoList]
Result=1
[Installed Products]
ProductCount=1
Product 8=OpenEdge Mgt. SE
[Product 8]
__Component_Common Files (m)=1
__SubComponent_Common Files (m)=1
__SubComponent_WebSpeed Common (m)=1
__Component_Fathom (m)=1
__SubComponent_Administration Server (m)=1
__SubComponent_Fathom common (m)=1
__SubComponent_fathom tailor (m)=1
__SubComponent_Fathom Doc (m)=1
__SubComponent_Client-Side Security (r)=1
__SubComponent_Java Class Tailoring (m)=1
__SubComponent_Perl (m)=1
__Component_Progress Messages (Add-on) (m)=1
__SubComponent_German=1
__SubComponent_Spanish=1
__SubComponent_French=1
__SubComponent_Dutch=1
__SubComponent_Portuguese=1
__SubComponent_Swedish=1
__SubComponent_Czech=1
__SubComponent_Polish=1
__SubComponent_Italian=1
__SubComponent_Portuguese - Brazilian=1
__SubComponent_Spanish - Latin=1
__SubComponent_English - International=1
__SubComponent_English - American=1
```


Running the InstallShield Silent Utility

As an alternative to the standard interactive installation, you can install OpenEdge Management without being prompted for input.



To run the InstallShield Silent utility:

1. Create a response file.

See either the [“Creating a response file automatically”](#) section on page 3–12 or the [“Creating the response file manually”](#) section on page 3–12 for information about creating a response file.

2. Run OpenEdge Management’s `setup.exe` using the `-psc_s` option.

Note the following syntax:

```
setup.exe -psc_s -psc_f1=<path>\<response-file-name>  
[-psc_f2=<path>\<logfile-name>]
```

By default, InstallShield looks for a response file named `fathomsetup.ini` in your Windows directory. During the installation, a log file named `fathomsetup.log` is created in your Windows directory. Use the `-f1` option to specify an alternate directory and filename for the response file. Use the `-f2` option to specify an alternate directory and filename for the log file.

Note: Be sure that there is no space between `-f1` and the equal sign, `-f2` and the equal sign, or the equal sign and the pathnames that follow.

For more information about creating a response file or running a silent install, see *OpenEdge Getting Started: Installation and Configuration*.

Uninstalling OpenEdge Management or OpenEdge Explorer in Windows

Always uninstall OpenEdge Management or OpenEdge Explorer before you uninstall the OpenEdge product that it is associated with.

Note that you cannot uninstall OpenEdge Explorer separately from OpenEdge Management if both are installed.

Caution: If you want to save trending data, be sure to copy the `<OpenEdgeManagement-install-dir>\db` before removing the OpenEdge Management installation.
If you want to save all the customized monitoring plan and resource definition information, be sure to copy `<OpenEdgeManagement-install-dir>\config\fathom.odt` before removing the OpenEdge Management or OpenEdge Explorer installation.

Note that reports and logs are stored in the OpenEdge Management Work directory and will not be removed when you uninstall OpenEdge Management.



To uninstall OpenEdge Management or OpenEdge Explorer:

1. If you are uninstalling OpenEdge Management, stop the OpenEdge Management Trend Database.

You can use OpenEdge Explorer, Progress Explorer, or the following command:

```
dbman -stop FathomTrendDatabase
```

The AdminServer must be running in order to stop the OpenEdge Management Trend Database.

If you receive a warning during the uninstall that the `fathom.db` is in use, the OpenEdge Management Trend Database has not been stopped.

2. Stop the AdminServer.

If you receive a warning during the uninstall that either `pphelper.dll` or `osmetrics.dll` is in use, the AdminServer has not been stopped.

3. If you have WebSpeed installed, stop the Web servers.

If you receive a warning during the uninstall that `wmsgp.dll` is in use, the Web servers have not been stopped.

4. Choose **OpenEdge Management** → **Uninstall**.

Installing OpenEdge Management or OpenEdge Explorer on UNIX

This chapter provides information related to installing OpenEdge Management or OpenEdge Explorer on UNIX systems, as described in the following sections:

- [Preinstallation tasks on UNIX systems](#)
- [Installing OpenEdge Management or OpenEdge Explorer on UNIX](#)
- [Optionally configuring the OpenEdge Management Trend Database](#)
- [Installing additional products](#)
- [Accessing documentation](#)
- [Running the installation utility in batch mode](#)
- [Uninstalling OpenEdge Management or OpenEdge Explorer on UNIX](#)

Preinstallation tasks on UNIX systems

You can install OpenEdge Management or OpenEdge Explorer provided you have either OpenEdge Release 10.1C03 or later, or OpenEdge 10.2A01 installed.

Reading OpenEdge Management and OpenEdge Explorer documentation before installing

It is very important that you read the following two documentation sources before you begin to install OpenEdge Management or OpenEdge Explorer:

- [Chapter 2, “Before You Install OpenEdge Management or OpenEdge Explorer”](#) — For information on installation planning details and system requirements
- *OpenEdge Management and OpenEdge Explorer Release Notes* — For possible supplemental or corrected installation information

The information provided in this guide is current as of its publication date; however, requirements can change. To make sure that you have the most up-to-date information, please be sure to refer to the release notes.

Other preliminary tasks

There are several other tasks you must perform before you install OpenEdge Management or OpenEdge Explorer.



To prepare to install OpenEdge Management or OpenEdge Explorer:

1. Make sure that you have the required release of OpenEdge (10.1C03 or later, or 10.2A01) installed.
2. Obtain the serial number and control numbers for your installation of OpenEdge Explorer, OpenEdge Management, and the SNMP Adapter. Both OpenEdge Management and the SNMP Adapter require licenses; their serial number and control numbers are provided in the information you receive with the OpenEdge Management installation media and one the ESD site. The serial and control numbers for OpenEdge Explorer are available on the ESD site.

Installing OpenEdge Management or OpenEdge Explorer on UNIX

Be sure to have the serial and control numbers for OpenEdge Explorer, OpenEdge Management, and the SNMP Adapter (if applicable) handy before you begin the installation. You can find these numbers for OpenEdge Explorer on the ESD site. For OpenEdge Management and the SNMP Adapter, the numbers are provided on the ESD site and also included in your OpenEdge Management media kit.



To install OpenEdge Management or OpenEdge Explorer on a UNIX system:

1. Stop the AdminServer.
2. Log in as root in a terminal window. If you do not know the root password for your system, consult with your system administrator.
3. Choose one:
 - Go to the ESD site (<http://www.progress.com/esd>).
 - (For OpenEdge Management only) Insert the installation CD into your CD-ROM drive.
4. Enter your platform-specific mount command. If you do not know the command, see the relevant section in *OpenEdge Getting Started: Installation and Configuration*.
5. Enter the following install command:

```
mount-point/proinst
```

Note: You cannot run proinst if you are in the *mount-point* directory.

After you enter the install command, the **Welcome** screen appears.

6. Press ENTER. The OpenEdge Path screen appears:

```
+-----+
| Please enter the full path to the supported OpenEdge installation. |
+-----+
| Enter Path: _____ |
|                               |
| [Enter=OK]  [CTRL-N=Cancel] |
+-----+
```

7. Enter the full path to a supported OpenEdge product, and press ENTER. The **Product Configuration Data** screen appears:

```
+-----+
|                                     Product Configuration Data                                     |
+-----+
| Company Name: █ _____ [Enter=Additional]                                         |
| Serial Number: _____ [Ctrl-E=Done]                                              |
| Control Number: ____ _ [CTRL-T=Quit]                                                 |
|                               [CTRL-N=Release Notes]                                  |
|                               [CTRL-V=View]                                           |
|                               [TAB=Next Field]                                       |
+-----+
```

Note: Remember that each instance of OpenEdge Management/OpenEdge Explorer is associated with one particular OpenEdge product at installation. If you later install a different instance of OpenEdge, you can use the `reg1ue` command to change the OpenEdge Management/OpenEdge Explorer-to-OpenEdge product association. See the [“Uninstalling OpenEdge Management or OpenEdge Explorer on UNIX”](#) section on page 4–14 for more information.

8. Enter a company name (which can be any character string), the serial number, and the control numbers for OpenEdge Management or OpenEdge Explorer. Then press **ENTER**.
9. If applicable, enter the serial number and the control numbers for the SNMP Adapter. Then press **ENTER**.
10. When you are done with this screen, press **CTRL+E**. The **Done Configuration Data Confirmation** screen appears:

```
-----  
| Done Configuration Data Confirmation |  
-----  
  
Are you sure that you are done entering all the control numbers for the  
OpenEdge products that will be installed?  
  
[Y=YES] [N=NO]
```

- 11.** Type **Y** to continue. The **Install Type and Destination** screen appears:

```

+-----+
| Install Type and Destination |
+-----+
| Select Destination Pathname |
| Continue with Installation |
| View Release Notes          |
| Cancel                      |
| Quit Installation           |
+-----+

```

```

+-----+
| Type: Complete Install      |
| Destination pathname: /usr/oemange |
| Working Dir pathname: /usr/wrk  |
+-----+

```

The defaults for the **Type** of install, the **Destination** pathname, and the **Working Dir** **pathname** are listed at the bottom of the screen.

12. Type **D** if you want to change either the destination path or the work directory path. The **Select Destination Pathname** screen appears. You can enter a different **Destination Path** and **Working Directory Path**:

```

+-----+
+          Select Destination Pathname          +
+-----+
+
+ Enter Destination Path: /users/doc/aspauldi/oe102a1_____
+
+ Enter Work Directory Path: /users/doc/aspauldi/oe102a1work_____
+
+ [Enter=OK]  [Ctrl-E=Default Dest]  [Ctrl-G=Default Work]  [CTRL-N=Cancel]

```

Be sure to enter the full pathnames in the fields that require a change. The **Destination Path** is where OpenEdge Management or OpenEdge Explorer will be installed. The **Work Directory Path** is the area where OpenEdge Management or OpenEdge Explorer puts working files.

Note: If you are installing multiple instances of OpenEdge Management or OpenEdge Explorer (to monitor separate OpenEdge products, for example), make sure that each instance has a unique **Destination Path** and **Work Directory Path**.

- 13.** Press **ENTER**. The **Install Type and Destination** screen reappears.

On the bottom of the screen you can review the type of installation, the destination pathname, and the working directory.

- 14. Select *Continue with Installation*.** The **Complete Installation** screen appears.

```

+-----+
+-----+ Complete Installation +-----+
+-----+
|
|The following products will be installed:
|'OpenEdge Explorer'
|
|Disk Space Required for Products: 240,440,832 bytes
|Disk Space Required for Installation: 241,495,040 bytes
|Disk Space Remaining After Installation: 429,125,120 bytes
|
|Selected Destination Path: /users/doc/aspauldi/oees2
|
|Do you want to install the above listed product(s)? █
|
|                               [Y=YES] [N=NO]
|
+-----+

```

15. Press **Y** to proceed with the installation. (Press **N** to terminate the installation and return to the command line of the terminal window.)

After you have completed this step, the actual installation begins. An indicator showing the progress of the installation appears. Then a message appears to inform you that the installation program is tailoring the installed files.

When tailoring is complete, an informational message appears. The message tells you how you can start OpenEdge Management or OpenEdge Explorer and begin the configuration process.

16. Press **ENTER**. The following screen appears:

```
+-----+
|Installation of selected OpenEdge Management products is complete. |
|Refer to the installation notes for more information.                |
+-----+
| End the OpenEdge Management Installation                          |
| View Release Notes                                                |
+-----+
```

17. Restart the AdminServer using the proadsv utility with the following syntax:

```
proadsv -start
```

For more information about proadsv, see *OpenEdge Data Management: Database Administration*.

Note: Be sure that you are not root when you restart the AdminServer. If you start the AdminServer as root, root has exclusive ownership and access to the files that you create when running OpenEdge Management or OpenEdge Explorer. You will be unable to access those files when logged in as a user without root permissions.

Changes to the OpenEdge install directory

When you install OpenEdge Management against OpenEdge, the following changes occur in the OpenEdge install directory:

- .fathom is created in \$DLC
- \$DLC/addons is updated
- \$DLC/properties/AdminServerPlugins.properties is updated
- \$DLC/properties/JavaTools.properties is updated

Optionally configuring the OpenEdge Management Trend Database

After you install OpenEdge Management and before you begin the configuration in the OpenEdge Management console, you can preallocate file system space in the OpenEdge Management Trend Database. This preallocation step is optional; however, it will make the OpenEdge Management Trend Database run more efficiently if you create fixed length extents before the OpenEdge Management Trend Database is created.



To preallocate file system space:

1. Copy the OpenEdge Management Trend Database structure file (`fathom.st`) that exists in `<OpenEdgeManagement-install-dir>/db` to the directory where the database will reside. The default directory is `Progress/OEManage/db`.
2. Edit the file, and add fixed length data extents to area 7.
3. Continue with the configuration as described in *OpenEdge Management and OpenEdge Explorer: Getting Started*. When the OpenEdge Management Trend Database is created, the database will pick up and use the structure file that exists in the directory where the database is being created.

For more information about editing `.st` files, see *OpenEdge Data Management: Database Administration*.

Installing additional products

You can later add another product to an existing OpenEdge Management or OpenEdge Explorer installation as follows:

- To an existing OpenEdge Explorer install, you can add OpenEdge Management and then the SNMP Adapter, provided you have purchased the required licenses.
- To an existing OpenEdge Management install, you can add the SNMP Adapter, provided you have purchased the required license.



To add another OpenEdge Management-related product to an existing OpenEdge Management installation:

1. Log in as root in a terminal window. If you do not know the root password for your system, consult with your system administrator.
2. Do one of the following:
3. Choose one:
 - Go to the ESD site (<http://www.progress.com/esd>).
 - (For OpenEdge Management only) Insert the installation CD into your CD-ROM drive.
4. Enter your platform-specific mount command.
5. Enter the following install command:

`mount-point/proinst`

Note: You cannot run `proinst` if you are in the `mount-point` directory.

After you enter the install command, the **Welcome** screen appears.

6. Press **ENTER**. The OpenEdge Path screen appears:

Please enter the full path to the supported OpenEdge installation.

Enter Path: _____

[Enter=OK] [CTRL-N=Cancel]

7. Enter the full path to a supported OpenEdge product. The following **Question** appears:

```

+-----+
|               QUESTION               |
+-----+
| The same version of OpenEdge Management has been detected. |
| Would you like to add products to this OpenEdge Management installation? |
|               [Y=YES] [N=NO]         |
+-----+

```

If you have multiple instances of OpenEdge and/or OpenEdge Management installed, you might be offered the option of doing a new installation of OpenEdge Management. If this is the case, see the “[Installing OpenEdge Management or OpenEdge Explorer on UNIX](#)” section on page 4–3 for details. To install an additional product only, continue with **Step 8**.

8. Press Y to continue to install the additional product. The following reminder appears:

```

+-----+
|               INFORMATION             |
+-----+
| Please ensure that the OpenEdge Admin Server is shut down before continuing |
| this upgrade. █                       |
|               [Enter=OK]              |
+-----+

```

9. Press ENTER. The **Product Configuration Data** screen appears:

```

+-----+
|               Product Configuration Data               |
+-----+
| Company Name: █ [Enter=Additional] [Ctrl-E=Done]      |
| Serial Number: █ [Ctrl-T=Quit]                        |
| Control Number: █ [Ctrl-N=Release Notes] [Ctrl-V=View] |
|               [TAB=Next Field]                       |
+-----+

```

10. Enter a company name (which can be any character string), the serial number, and the control numbers for the additional product, and then press ENTER.
11. Press **CTRL+E** when you finish adding the additional products. The **Done Configuration Data Confirmation** screen appears, asking if you are sure you are done.
12. Press Y. The **Install Type and Destination** screen appears.
13. Select **Continue with Installation**. The **Complete Installation** screen appears, as shown in the following example for the SNMP Adapter being added to an existing OpenEdge Management install:

```

+-----+
|               Complete Installation               |
+-----+
| The following products will be installed: |
| "SNMP Adapter" |
| Disk Space Required for Products: 1,536 bytes |
| Disk Space Required for Installation: 917,504 bytes |
| Disk Space Remaining After Installation: 701,245,952 bytes |
| Selected Destination Path: /users/doc/aspauldi/oem32a |
| Do you want to install the above listed product(s)? |
|               [Y=YES] [N=NO]                     |
+-----+

```

14. Press **Y** to complete the installation. (Press **N** to terminate the installation and return to the command line of the terminal window.)

After you have completed this step, the installation of the new product begins. An indicator showing the progress of the installation appears. Then a message appears to inform you that the installation program is tailoring the installed files.

When tailoring is complete, the following message appears:

```
+-----+
|                                     |
|               To Configure OpenEdge Management               |
|                                     |
| |Once the Admin Server has been restarted, you can configure OpenEdge |
| |Management by starting a web browser and entering http://localhost:9090. |
| |When prompted for a user name and password, enter "admin" for both.      |
| |Refer to the OpenEdge Management Installation and Configuration          |
| |Guide for assistance.█                                                    |
|                                     |
|                                     | [Enter=OK] |
|                                     |
+-----+
```

15. Press **ENTER**. The following screen appears:

```
+-----+
| Installation of selected OpenEdge Management products is complete. |
| Refer to the installation notes for more information.                |
+-----+
| End the OpenEdge Management Installation |
| View Release Notes                     |
+-----+
```

16. Choose **End the OpenEdge Management Installation** or **View Release Notes**, and press **ENTER**.
17. Restart the AdminServer, using the proadsv utility with the following syntax:

```
proadsv -start
```

For more information on proadsv, see *OpenEdge Database Management: Database Administration*.

Note: Be sure that you are not root when you restart the AdminServer. If you start the AdminServer as root, root has exclusive ownership and access to the files that you create when running OpenEdge Management. You will be unable to access those files when logged in as a user without root permissions.

Accessing documentation

The OpenEdge Management or OpenEdge Explorer manuals are available as follows:

- In PDF format from the **Start**→**Programs**→**OpenEdge Management** or **OpenEdge Explorer** program folder→**Documentation** menu.
- From the **Help**→**Documentation** link or the context-sensitive help question mark icon in the management console, after an install.
- In PDF and HTML format from the Progress Software Developers Network (PSDN) Web site in the following location:

<http://www.psdn.com/library/kbcategory.jspa?categoryID=129>

For best results when using the PDF files, install the Acrobat Reader. You can download the Reader from the following location on the Adobe Web site:


<http://www.adobe.com/products/acrobat/readstep2.html>

In addition to this manual, the following documents comprise the OpenEdge Management and OpenEdge Explorer document set:

- *OpenEdge Management and OpenEdge Explorer: Getting Started*
- *OpenEdge Management and OpenEdge Explorer: Configuration*
- *OpenEdge Management: Resource Monitoring*
- *OpenEdge Management: Alerts Guide and Reference*
- *OpenEdge Management: Trend Database Guide and Reference*
- *OpenEdge Management: Servers, DataServers, Messengers, and Adapters*
- *OpenEdge Management: Database Management*
- *OpenEdge Management: Reporting*

Using online help

You can access online help in two different ways:

- From the detail control bar, click the **Help** icon  to see context-sensitive help directly related to the active console page.
- From the management console menu bar, choose **Help**→**Documentation** for an online version of the OpenEdge Management and OpenEdge Explorer guides.

Running the installation utility in batch mode

This section describes running the OpenEdge Management installation utility in batch mode.

Creating the installation initialization file

Running the OpenEdge Management installation utility in batch mode requires an initialization file in addition to the other OpenEdge Management installation support files. You can create an installation initialization file by using any text editor. Typically, you would save the initialization file with a `.ini` extension.

The following sample shows the format of an installation initialization file:

```
[Configuration Count]
NumberOfConfigurations=1

[OpenEdge Core Install Data]
installDir=/users/doc/aspauldi/oe

[Product Configuration 1]
name=your_company_name
serial=NNNNNNNNNN
version=10.2A
control=NNNNN NNNNN NNNNN
prodname=Fathom Mgt. SE

[Install Destination]
type=Complete
path=/users/doc/aspauldi/oem
workpath=/users/doc/aspauldi/oemwork
```

Running a batch installation

The syntax for running the OpenEdge Management installation utility in batch mode follows:

Syntax

```
<OpenEdgeManagement-mount-point>/proinst -b pathname/filename.ini  
-l pathname/filename.log
```

In the previous syntax, *OpenEdgeManagement-mount-point* refers to the directory where the OpenEdge Management installation utility, the installation support files, and the archive files can be found. For example, a typical batch installation command might be:

```
proinst -b /test/install.ini -l /log/test.log
```

If no `install.ini` file is specified as the argument to the `-b` option, the OpenEdge Management installation utility searches the current directory for the default file, `install.ini`. If no `install.ini` file is found, the batch installation fails.

All error messages are redirected to a log file. You can specify a log filename as an argument to the `-l` option. If no filename is specified for the log file, errors are redirected to the default log filename `install.log`. If no directory is specified for the log file, the installation utility checks the `TMP`, `TEMP`, and `TMPDIR` environment variables. The installation utility writes the log file to the first valid directory that it finds defined in those variables.

Uninstalling OpenEdge Management or OpenEdge Explorer on UNIX

Because OpenEdge Management or OpenEdge Explorer are associated with (or “glued to”) an installed OpenEdge product, uninstalling OpenEdge Management or OpenEdge Explorer on a UNIX platform is a two-step process. First, you disassociate (“unglue”) OpenEdge Management or OpenEdge Explorer from OpenEdge, and then you remove the OpenEdge Management or OpenEdge Explorer files.

If you want only to change the association between OpenEdge Management or OpenEdge Explorer and a particular OpenEdge product, it is not necessary for you to uninstall either one. Instead, you can unglue OpenEdge Management or OpenEdge Explorer from one OpenEdge installation and reglue it to another OpenEdge installation. See the [“Using the Reglue command to change the OpenEdge Management or OpenEdge Explorer association”](#) section on page 4–16 for details.

When you run `unglue`, the OpenEdge Management Trend Database entry is removed from the `conmgr.properties` file.

Caution: If you want to save trending data, be sure to copy the `<OpenEdgeManagement-install-dir>\db` before removing the OpenEdge Management installation.
If you want to save all the customized monitoring plan and resource definition information, be sure to copy `<OpenEdgeManagement-install-dir>\config\fathom.odt` before removing the OpenEdge Management or OpenEdge Explorer installation.

Note that reports and logs are stored in the OpenEdge Management Work directory and will not be removed when you uninstall OpenEdge Management.



To uninstall OpenEdge Management or OpenEdge Explorer (unglue and remove the files):

1. Stop any databases associated with OpenEdge Management or OpenEdge Explorer.
2. Log in as root in a terminal window. If you do not know the root password for your system, consult with your system administrator.
3. Run the `unglue` command in a terminal window. The syntax for the command is as follows:

```
/<install-dir>/bin/unglue
```

Where `install-dir` is the complete pathname of the directory where you installed OpenEdge Management or OpenEdge Explorer.

The following prompt appears:

```
WARNING WARNING WARNING WARNING WARNING WARNING WARNING WARNING WARNING
The unglue script will dis-associate Fathom from the Progress product.
Removes Fathom settings from the property files:
  $DLC/properties/AdminServerPlugins.properties
  $DLC/properties/JavaTools.properties
Removes the files fathom_env and .fathom from $DLC/bin.
Removes the fathom_v10.2A entry from $DLC/addons and removes the
FathomTrendDatabase definition from $DLC/properties/conmgr.properties.
Where $DLC = /users/doc/aspauldi/oe102a1.

WARNING, the Progress AdminServer must be shutdown before continuing.
Choosing to do so will result in Fathom not being able to run on this
machine, do you wish to continue? [y | n]
```

4. Press Y and then press ENTER to complete the unglue. A confirmation message appears:

```
Fathom Version 10.2A as of Mon Jan 5 02:36:14 EST 2009
OpenEdge Release 10.2A as of Fri Oct 31 21:16:16 EDT 2008
OpenEdge Release 10.2A as of Fri Oct 31 21:16:16 EDT 2008
The unglue was performed.
```

5. Remove the directory where you installed OpenEdge Management or OpenEdge Explorer. For example:

```
rm -r oee102a1
```

Caution: If you want to uninstall OpenEdge Management or OpenEdge Explorer and not associate it with a different OpenEdge installation, be sure to uninstall OpenEdge Management or OpenEdge Explorer before you uninstall the OpenEdge product that either is associated with.

If you remove the install directory before running unglue

Always run unglue before removing the OpenEdge Management or OpenEdge Explorer install directory. If you remove the OpenEdge Management or OpenEdge Explorer directory **before** running unglue, the associated OpenEdge product will be partially disabled and you will not be able to run it correctly.

For assistance, please contact Progress Software Technical Support.

Using the Reglue command to change the OpenEdge Management or OpenEdge Explorer association

Each OpenEdge Management or OpenEdge Explorer installation is associated with one particular OpenEdge installation. If you have multiple versions of OpenEdge Management or OpenEdge Explorer, you must have an individual OpenEdge installation for each version.

The `reglue` command, available only on the UNIX platform, allows you to change the association between an OpenEdge Management or OpenEdge Explorer installation and an OpenEdge installation without necessarily uninstalling and then reinstalling OpenEdge Management or OpenEdge Explorer.

When you run `reglue`, the OpenEdge Management Trend Database entry is removed from the `conmgr.properties` file. The next time you open OpenEdge Management in a browser, you see the **OpenEdge Management Configuration** page. Choose initial configuration options.

Note: You can also run the `reglue` command without having run `unglue`; in this case, the command performs both the `unglue` and the `reglue`.

Ungluing and then regluing OpenEdge Management or OpenEdge Explorer to a different OpenEdge installation

You can change the association between OpenEdge Management or OpenEdge Explorer and a particular OpenEdge installation.



To unglue OpenEdge Management or OpenEdge Explorer from one OpenEdge installation and reglue it to another installation:

1. Log in as root.
2. Run the `unglue` command in a terminal window.

The syntax for the command is as follows:

```
<install-dir>/bin/unglue
```

Where *install-dir* is the complete pathname of the directory where you installed OpenEdge Management or OpenEdge Explorer.

The following prompt appears:

```
WARNING WARNING WARNING WARNING WARNING WARNING WARNING WARNING WARNING
The unglue script will dis-associate Fathom from the Progress product.
Removes Fathom settings from the property files:
  #DLC/properties/AdminServerPlugins.properties
  #DLC/properties/JavaTools.properties
Removes the files fathom_env and .fathom from #DLC/bin.
Removes the fathom_v10.2A entry from #DLC/addons and removes the
FathomTrendDatabase definition from #DLC/properties/conmgr.properties.
Where #DLC = /users/doc/aspauldi/oe102a1.

WARNING, the Progress AdminServer must be shutdown before continuing.
Choosing to do so will result in Fathom not being able to run on this
machine, do you wish to continue? [y | n]
```

3. Press **Y** to complete the `unglue`.

4. Run the `reglue` command in a terminal window. The syntax for the command is as follows:

```
/<install-dir>/bin/reglue
```

Where *install-dir* is the complete pathname of the directory where you installed OpenEdge Explorer or OpenEdge Management. The following warning appears:

```
The Progress AdminServer and the Fathom trend database must
both be shutdown before continuing.
Do you wish to continue? [y | n]
```

5. Press **Y** and then **ENTER** to continue with the `reglue`. The following message appears:

```
Please enter the new directory path for the Progress installation
```

6. Type the path to the OpenEdge installation you want to glue OpenEdge Management or OpenEdge Explorer to and press **ENTER**.
7. Press **Y** and then press **ENTER**. A `reglue` confirmation appears:

```
The reglue script adds Fathom settings to:
  $DLC/properties/AdminServerPlugins.properties
  $DLC/properties/JavaTools.properties
The reglue script will copy the files
fathom_env and .fathom into $DLC/bin,
and add a "fathom_v10.2a" entry to $DLC/addons and update
fathom.init.params to point to the new installation of Progress.
Where $DLC = /users/doc/aspauldi/oe102a1.

WARNING
Beyond this point, changes will be made to the Fathom files.
Do you want to continue? [y | n]
```

8. Close the terminal window.

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