



## **OpenEdge® Replication:** Installation Guide

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# Contents

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<b>Preface .....</b>	<b>Preface–1</b>
 <b>1. Welcome to OpenEdge Replication .....</b>	 <b>1–1</b>
Overview of OpenEdge Replication .....	1–2
Primary benefits of OpenEdge Replication .....	1–2
Key features of OpenEdge Replication .....	1–2
New features .....	1–3
What your OpenEdge Replication product includes .....	1–4
Accessing additional OpenEdge documentation on the Web. ....	1–4
Service and support: a 100% solution .....	1–5
The Technical Support organization .....	1–5
Registering your product .....	1–10
Education Services .....	1–11
Progress Software Professional Services .....	1–12
Worldwide sales offices and subsidiaries .....	1–14
Progress Software Corporation user groups .....	1–14
Progress Software Developers Network .....	1–15
 <b>2. Before You Install OpenEdge Replication .....</b>	 <b>2–1</b>
Planning your installation .....	2–2
Installing OpenEdge Replication for the first time .....	2–2
Upgrading an existing version of OpenEdge Replication .....	2–2
System requirements .....	2–3
Platform support .....	2–3
Licensing requirements .....	2–4

<b>3. Windows Installation</b>	<b>3-1</b>
Prerequisite applications	3-2
Shutting down nonessential applications or tasks	3-2
Resetting read-only files	3-2
Installing OpenEdge Replication	3-3
Uninstalling OpenEdge Replication	3-14
<b>4. UNIX Installation</b>	<b>4-1</b>
Performing preinstallation tasks	4-2
JRE and JDK requirements	4-2
Installing OpenEdge Replication	4-3
Uninstalling OpenEdge Replication	4-16
<b>Index</b>	<b>Index-1</b>

**Tables**

Table 4-1:	Mount commands . . . . .	4-3
Table 4-2:	Product Configuration Data dialog box options . . . . .	4-5
Table 4-3:	Install Type and Destination dialog box options . . . . .	4-8
Table 4-4:	Destination Pathname Exists dialog box options . . . . .	4-11



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# Preface

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This Preface contains the following sections:

- [Purpose](#)
- [Audience](#)
- [Organization](#)
- [Using this manual](#)
- [Typographical conventions](#)
- [Examples of syntax descriptions](#)
- [OpenEdge messages](#)
- [Third party acknowledgements](#)

## Purpose

This book provides documentation for Database Administrators (DBAs) who plan to install OpenEdge® Replication.

## Audience

This book is intended for those who are familiar with OpenEdge® database administration, and who plan to install OpenEdge Replication on their system.

## Organization

### Chapter 1, “Welcome to OpenEdge Replication”

Provides an overview of the OpenEdge Replication product, describes new features, and offers information about product support.

### Chapter 2, “Before You Install OpenEdge Replication”

Documents the pre-installation tasks for OpenEdge Replication.

### Chapter 3, “Windows Installation”

Documents how to install OpenEdge Replication in Windows. The chapter provides information about setup prior to installation and gives step-by-step instructions to follow during the installation.

### Chapter 4, “UNIX Installation”

Documents how to install OpenEdge Replication on UNIX. The chapter provides information about setup prior to installation and gives step-by-step instructions to follow during the installation.



## 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.

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## References to ABL compiler and run-time features

ABL is both a compiled and an 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, built-in 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 *character* appears, this is a reference to the CHARACTER, LONGCHAR, or CLOB 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 built-in 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
<b>Bold</b>	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.
<b>SMALL, BOLD CAPITAL LETTERS</b>	Small, bold capital letters indicate OpenEdge key functions and generic keyboard keys; for example, <b>GET</b> and <b>CTRL</b> .
<b>KEY1+KEY2</b>	A plus sign between key names indicates a <b>simultaneous</b> key sequence: you press and hold down the first key while pressing the second key. For example, <b>CTRL+X</b> .
<b>KEY1 KEY2</b>	A space between key names indicates a <b>sequential</b> key sequence: you press and release the first key, then press another key. For example, <b>ESCAPE H</b> .
<b>Syntax:</b>	
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.
<b><i>Fixed-width bold</i></b>	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.

Convention	Description
	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 ABL.
{ }	Large braces indicate the items within them are required. They are used to simplify complex syntax diagrams.
{ }	Small braces are part of ABL. For example, a called external procedure must use braces when referencing arguments passed by a calling procedure.
	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**.

## Third party acknowledgements

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# Welcome to OpenEdge Replication

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This chapter provides an overview of the OpenEdge® Replication product, information about new features, and details about product support, as described in the following sections:

- [Overview of OpenEdge Replication](#)
- [New features](#)
- [What your OpenEdge Replication product includes](#)
- [Service and support: a 100% solution](#)
- [Registering your product](#)
- [Progress Software Developers Network](#)

## Overview of OpenEdge Replication

Data replication has two major real-time functions: to distribute copies of information to one or more sites and to provide failure recovery to keep data constantly available to customers. OpenEdge® Replication automatically replicates a local OpenEdge® database to remote OpenEdge databases running on one or more machines. Once OpenEdge Replication is installed, configured, and started, replication happens automatically.

OpenEdge Replication offers users the ability to keep OpenEdge databases identical while also providing a hot standby in case a database fails. When a database fails, another becomes active. Therefore, mission-critical data is always available to your users.

### Primary benefits of OpenEdge Replication

OpenEdge Replication provides the following benefits:

- Availability of mission-critical data 24 hours a day, seven days a week
- Minimal or no disruption in the event of unplanned downtime or disaster

### Key features of OpenEdge Replication

OpenEdge Replication provides the following features:

- Automated real-time replication of databases for failover or disaster recovery
- Single source database and multiple target database configurations
- Data integrity between source and target databases
- Continued source database activity while administration tasks are being performed
- Reporting about replication activity

## New features

This section summarizes new features in OpenEdge Replication Release 10.1C:

- You can now perform an online backup of the target database (outside the Replication process known as transition) while OpenEdge Replication is running.
- The OpenEdge installation process, which you perform when you install OpenEdge Replication, has been enhanced. You can now choose to have the product serial number and control codes read automatically into the installer from the *License Addendum* text file. Previously, you were required to enter the serial number and control codes manually (which you can still do, if you prefer).
- OpenEdge Replication provides support for IPv6.

## What your OpenEdge Replication product includes

When you purchase OpenEdge Replication, you receive the following:

- The OpenEdge Release 10.1C product CD, which includes OpenEdge Replication and OpenEdge Replication Plus.
- The End-User Product License Agreement.
- The *License Addendum*, which includes the serial number and control numbers for your OpenEdge 10.1C, OpenEdge Replication, and, if applicable, OpenEdge Replication Plus installation. The addendum also provides volume information and the media-ID number.
- The *OpenEdge Replication User Guide* in PDF format, available on the Documentation and Samples CD.
- The *OpenEdge Replication Installation Guide* (this manual), available in hard copy and also in PDF format on the Documentation and Samples CD.
- The OpenEdge Replication hardcopy release notes.

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

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## Service and support: a 100% solution

Progress Software Corporation maintains a long-term commitment to superior product performance and productivity. Ultimately, product quality is a direct result of the judgment and experience of the people who work to produce it. The quality of an application development environment is only as good as the products and services that back it up. It is the people behind the product—in Development, Documentation, Technical Services, Education Services, and Consulting Services—who make the difference.

### The Technical Support organization

The Technical Support organization is structured according to geographic regions, each with its own center. The regions are:

- [Americas](#)
- [Europe, Middle East, and Africa \(EMEA\)](#)
- [Asia Pacific](#)

#### **Americas**

The Americas Support Center is located in Bedford, Massachusetts. It provides telephone support in English, Spanish, and Portuguese for North American and Latin American customers. Hours of operation provide coverage that takes into account the business hours of local sales offices as well as time zone differences between countries in this region.

Customers can access the Americas Support Center by telephone, e-mail, or using the Progress Software Corporation Support Web site for OpenEdge at

<http://www.progress.com/openedge/support/index.ssp>.

#### **Europe, Middle East, and Africa (EMEA)**

The EMEA Technical Service Centre is located in Rotterdam, Netherlands, and supports our distributors, application partners (APs), and direct end users in the EMEA region. Support is offered in ten different languages, to supply telephone coverage in your native language. All the Technical Support Engineers (TSEs) belong to a language team to ensure telephone coverage. They also belong to one or more skill groups, defined around different areas of the Progress product set.

Customers can access the EMEA Support Centre by telephone, e-mail, or using the Progress Software Corporation Support Web site for OpenEdge at <http://www.progress.com/openedge/support/index.ssp>.

### Asia Pacific

The Asia Pacific Support Centre is located in Melbourne, Australia, and supports our subsidiaries, distributors, APs, and direct end users in the Asia Pacific region. Support is provided only in English.

Customers can access the Asia Pacific Support Centre by telephone, e-mail, or using the Progress Software Corporation Support Web site for OpenEdge at <http://www.progress.com/openedge/support/index.ssp>.

### Coverage offerings

Technical support is committed to providing the best possible customer support. For more detailed information and a complete reference to important names, phone numbers, and e-mail addresses, visit the Progress Software Corporation support Web site for OpenEdge at <http://www.progress.com/openedge/support/index.ssp>.

Technical Support is available to you when the commercial products fail to work as documented. If it is determined during the course of a call that you would be better served by making use of training and consulting services, Technical Support might refer you to your local office.

Technical Support provides assistance with products according to our Product Life Cycle document. The following levels of customer support are available:

- **Mission Critical Support** — Focuses on your company needs and provides a designated Technical Account Manager (TAM), proactive personalized support, and direct access to senior level Technical Support Engineers.
- **Extended 24x7 Support** — Provides 24x7 support 365 days a year including holidays, one-hour guaranteed call back, and continuous effort for business-critical issues.
- **Basic Support** — Provides technical support during Progress Software Corporation's standard business hours. For assistance outside of business hours, our online Knowledge Center is available 24x7 to provide you with solutions.
- **Partner After-Hours Support** — Provides Application Partners the ability to offer their end users direct access to Progress Technical Support for after-hours support on Progress Software Corporation's products.

**When you place your call**

Some information is required when you log a support issue with Progress Software Corporation Technical Support. Here is a list of the primary information you need to provide when you place your support call:

- Your name
- Your company name and/or customer number
- The product's serial number
- The telephone number or e-mail address where you can be reached

In addition, be prepared to answer the following questions to help us assist you more quickly:

- In which environment is the product running? Include:
  - Memory
  - Swap space
  - Number of users
  - Disk space
  - Machine and model
  - Operating system and version
  - Progress product and version
  - HLC or ESQ/C (Large or Small Client?)
  - Multi-operating system environment (Yes or No?)
  - Third-party products installed on the machine, and versions
- Which error messages did you receive and where or when did you see them? Include:
  - Messages appearing on screen from client or server or in log file (in the order they appeared).
  - Previous messages in the log file (going back several days before onset of problem).
  - Message in hardware log or event viewer, if appropriate.

- What was happening when the problem occurred?
- Is the problem new, has it occurred before, or was it always there?
- How often does the problem occur? For instance, how many times has it occurred in the last twenty sessions?
- Can you recreate the problem at will or upon demand?
- Can you duplicate the problem against the Sports database?
- If you have more than one database, does the problem occur on all the databases?
- Does it happen with multi-user Progress, single-user Progress, or both?
- Was there anything unusual about the environment when the problem occurred?
- Do you have any idea what the problem might be? For example, are you aware of any recent changes in the system environment or in the application?
- Was a core file or Dr. Watson log file produced? If so, save this file in case the stack trace information is needed.
- What have you done so far to debug or isolate the problem?

### **Placing your call to Technical Support**

Before placing your call, please ensure you have all the relevant information available. You can contact your regional support center by telephone, e-mail, or via the Web. See <http://www.progress.com/openedge/support/index.ssp>.

### **From your customer site**

If you call from a customer site, please make this known to the engineer. Ask that the priority of your call be set to HIGH to ensure you get a prompt call back if your issue cannot be resolved in the first call.

## Supporting Progress Software Corporation customers

We support our customers. A customer is any organization that has a valid maintenance contract with Progress Software Corporation. Our goal is to provide the best support possible. To this end, it is important that we service and support those customers who have contracts with Progress Software Corporation.

In situations involving APs, the first call on any issue related to an end-user customer should come from the AP. It is important that the AP initiate all support calls to Progress Software Corporation. It is in the AP's best interest to know what problems their customers are encountering and to isolate any problem. Furthermore, the customer of the AP is not the best resource in problem isolation between the AP's application or software from Progress Software Corporation. The AP must stay involved with any problem that its customers might encounter with Progress software. This involvement will increase their knowledge and maintain the appropriate relationship with the customer. The AP also will be in a position to determine if this is a problem affecting a single site or the AP's entire customer base.

If the customer of the AP contacts Progress Software Corporation directly, they will be asked to discuss their issue with their AP. Obviously, this does not replace the application support provided by the AP. Failure to renew your maintenance agreements for the licenses in question is likely to result in denial of support for any further calls.

If you have questions about evaluation licenses, future products or any sales-related questions, please contact your local presales support team at your local Progress Software Corporation office.

## Service Packs

Service Packs are a collection of bug fixes to Progress Software Corporation products; they go through a high level of testing, including running a complete suite of regression tests. Service Packs are released for all supported platforms simultaneously, have the same version number, and contain the same fixes. Service Packs for Core Products are released every three months, as needed, from the product's release delivery date. They are available online through the **Product Updates and Documentation** link on <http://www.progress.com/esd>. Service Packs include an installation procedure to take you through the steps to apply the Service Pack.

## Registering your product

To be eligible for user support services, you must register your Progress Software Corporation product.

### Benefits of the Annual Maintenance Plan

There are three important reasons for you to cover your Progress Software Corporation products under the Annual Maintenance Plan:

- Access to new product versions
- Investment protection on product trade-ins
- Access to Progress Software Corporation Technical Services

Keeping up with software enhancements is always important, and often it is critical to the success of your application. Progress Software Corporation regularly introduces new features and capabilities. If you cover your products under the Annual Maintenance Plan, you can receive new versions for only a processing fee plus the cost of the documentation, where applicable. Also, if your product is covered under maintenance, there is no fee in most cases when you change an operating system, machine, or site (within the operations of a currently licensed customer).

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**Note:** This does not apply to machine-based or unlimited user count licenses.

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Finally, we think you will find access to our Technical Services staff invaluable.

### How do I enroll?

The Annual Maintenance Plan should be purchased when you purchase your Progress Software Corporation product and can be renewed at the end of that year. For the specific costs of your maintenance plan, please contact your supplier.

The sooner you enroll in the Annual Maintenance Plan, the more economical it is. If you enroll in the plan more than 90 days after purchasing your product, you are subject to substantially higher prices. Please contact your supplier if you have any questions about the Annual Maintenance Plan.

**So don't delay. Enroll in the Annual Maintenance Plan today!**

If you purchased your product through a Progress Software Corporation Application Partner, contact them first to purchase maintenance.

**Education Services**

Progress Education Services offers a complete, task-based, hands-on curriculum for core Progress Software Corporation products. Both classroom training and non-classroom alternatives are available.

Our classroom courses are taught by expert instructors in state-of-the-art facilities located around the globe. On-site training also is available, for the convenience of our customers who wish to take our courses at their workplace. For those who prefer learning at their own pace, we also offer a full range of Web-based training. Please visit <http://wbt.progress.com> for more information.

By taking one of our courses, you receive education from professionals who have made software training a career focus. Our instructors are specialists who receive complete technical training in all aspects of our products. Our highly skilled course developers work together with top Progress software engineers to create the best possible training.

All our courses, whether classroom or self-paced, are task-based. That is, they emphasize what you need to know to do your job and how you can leverage the capabilities of Progress Software Corporation products to maximize your investment.

All our courses provide ample opportunity for practice through hands-on, real-world labs. In each course, you build an application that simulates a real-world environment. When you complete your training, you can take your newly built application with you for future development at your own site.

A Progress Software Corporation education provides you with:

- The highest quality course materials for classroom and non classroom study, developed by expert course developers working closely with Progress software engineers
- Experienced instructors with access to Progress Software Corporation benchmarking and source materials
- Web-based training options that enable students to learn what they need, when they need it, without leaving the office

## How to remain current with Progress Software Corporation Education Services offerings

Progress Software Corporation offers you a wide and ever-increasing choice of educational options. We are continually offering new courses to address the pressing needs of our user community. For up-to-date information, visit us on the Web at <http://www.progress.com/education/index.htm>.

## Progress Software Professional Services

Progress Software Professional Services (PSPS) offers strategic solutions to help you make the most of your technology investment and prepare you for the future. Whether you are looking to take your business to the Web, gain operational efficiencies through better reporting and decision support, or enhance your technology environment to make it run faster and smoother, Progress Software Professional Services can help you get there.

It is easier than ever to tap into the power of this expert knowledge and advanced insight with a collection of consulting, mentoring, and training programs tailored to address the issues you are facing right now. For example:

- **Business enhancement** — Take your business to a new level by enhancing your existing Progress-based applications with valuable business solutions.
- **Business migration and optimization** — Master advanced strategies and tactics for moving your applications to the Web.
- **System enhancement** — Examine, tune, supplement, and manage your systems for maximum performance.
- **Globalization empowerment** — Open your doors and start doing business with anyone in the world with speed and confidence.
- **User training and education** — Improve productivity by ensuring that everyone on your team is up-to-date on the latest Progress Software Corporation technology.



## The inside advantage for consulting and education

Progress Software Professional Services is the only resource where you will find the kind of in-depth product knowledge and envelope-pushing attitude that lets you take your business to the next level of performance. We offer:

- More than 300 consultants worldwide
- More than 60 product training experts
- Expert project management teams and a dedicated Office of Project Management

## For more information

To find out how Progress Software Professional Services can help you with your most pressing objectives or to learn more about any of our programs, log on to

<http://www.progress.com/consulting/index.htm>.

Services might vary from region to region. For information regarding Progress Software Professional Services in your area, contact the appropriate address listed below:

<b>North America – Corporate Offices</b> 14 Oak Park Bedford, Massachusetts 01730 Tel: 781-280-4000 Fax: 781-280-4095	<b>Latin America</b> Progress Software Corporation 2255 Glades Road One Boca Place – Suite 300 E Boca Raton, Florida 33431 USA Tel: 561-998-2244 Fax: 561-998-1573
<b>Europe/Middle East/Africa</b> Progress Software Europe BV Schorpioenstraat 67 3067 GG Rotterdam The Netherlands Tel: 31 10 286 5700 Fax: 31 10 286 5225	<b>Asia/Pacific</b> Progress Software Pty. Level 2, 25 Ryde Road Pymble NSW 2073, Australia Tel: 61-2-9496-8439

## **Worldwide sales offices and subsidiaries**

Progress Software Corporation sells products and services worldwide to organizations that develop and use mission-critical business applications. With our partners, we deliver solutions, consulting, technical support, and training to customers in over 100 countries. Our Web sites around the world are updated to continually provide the most current localized content and area-specific information.

For a complete list of Worldwide Sales Offices and Subsidiaries, consult the Progress Software Corporation Web site at <http://www.progress.com/worldwide/offices.htm>.

## **Progress Software Corporation user groups**

Progress Software Corporation user groups provide the ideal networking environment for you and other Progress users. Worldwide user groups provide a way to meet others in an informal setting to exchange ideas and discuss the applications that are impacting today's fast-paced technology model. User groups feature Progress Software Corporation experts and other guest speakers, so you can keep up with the latest product advancements and trends. Progress Software Corporation actively supports its user groups with formal communication forums and discounts on training and other corporate events.

Whether you participate in person or via the Internet, a Progress Software user group is your best way to stay informed and stay connected.

For a complete list of Progress Users Groups, visit the Progress Software Corporation Web site at [http://www.progress.com/support/user\\_groups](http://www.progress.com/support/user_groups).

## Progress Software Developers Network

Visit <http://www.psdn.com>. The Progress Software Developer's Network (PSDN) is a service designed to deliver to developers the information and resources for creating best-of-breed business systems with Progress technology. At the PSDN, you will find technical reports, up-to-date product information, and a gateway for participating more actively in the Progress developer community. You also can subscribe to receive information on the topics and products most relevant to you.

If you have purchased maintenance on a development product directly from Progress Software Corporation, you are entitled to become a member of PSDN. Members receive two computer-based training courses prepared by Progress Education. In addition, members have deeper access to PSDN dynamic content that provides insight from product specialists into technological future directions and the opportunity to pose your technical questions directly to Progress experts during Web seminars and chats.

Premier PSDN membership is another level of service that includes subscriptions to the PSDN Software Developer's Kit (SDK). The PSDN SDK is a comprehensive package of Progress Software Corporation products designed to support developing the full range of Progress applications: Web services-oriented, WebSpeed, distributed, client/server, and DataServer.

For more information about PSDN membership, please see <http://www.psdn.com>.



## Before You Install OpenEdge Replication

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This chapter describes the system requirements you must consider and the tasks you must perform before you install OpenEdge Replication. The chapter also provides important details about platform support and licensing requirements, as described in the following sections:

- [Planning your installation](#)
- [System requirements](#)
- [Licensing requirements](#)

## Planning your installation

OpenEdge Replication provides database replication so that customers have access to their database with minimal interruption.

The way you plan the OpenEdge Replication installation depends on whether you are:

- Installing OpenEdge Replication for the first time
- Upgrading an existing version of OpenEdge Replication

### Installing OpenEdge Replication for the first time

There are two primary requirements to consider before you install OpenEdge Replication for the first time:

- You should have a comprehensive backup plan in place for your database before you begin the installation.
- You must decide where to install the OpenEdge Replication components.

### Upgrading an existing version of OpenEdge Replication

If you are upgrading an existing version of OpenEdge Replication, be sure to back up the following files:

- Source database
- Target database
- `database.rep1.recovery` files

Because OpenEdge Release 10.1C upgrades the `database.rep1.recovery` files, once you upgrade to OpenEdge 10.1C you cannot return to versions of OpenEdge Replication prior to Release 10.1C using your OpenEdge 10.1C files. If you need to return to a previous version of OpenEdge Replication on the source machine, you must back up your source database, start AI, and enable and configure OpenEdge Replication.

On the target machine, you must make sure you set up your structure file, restore your backup from the source, and enable and configure OpenEdge Replication. You can then run OpenEdge Replication by simply starting your source and target databases with an OpenEdge Replication qualifier.

## System requirements

The system requirements for OpenEdge Replication are essentially the same as those for OpenEdge Release 10.1C, as described in *OpenEdge Getting Started: Installation and Configuration*.

### Platform support

OpenEdge Replication is designed to run on the platforms supported by OpenEdge Release 10.1C. OpenEdge Replication is not, however, supported on SCO Unixware.

## Licensing requirements

OpenEdge Replication requires an OpenEdge Release 10.1C Enterprise database or OpenEdge Release 10.1C Workgroup database license for each local or remote OpenEdge database used in replication. You can replicate only from Enterprise to Enterprise database and Workgroup to Workgroup database.



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# Windows Installation

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This chapter contains step-by-step instructions for installing OpenEdge Replication in Windows, as outlined in the following sections:

- [Prerequisite applications](#)
- [Shutting down nonessential applications or tasks](#)
- [Resetting read-only files](#)
- [Installing OpenEdge Replication](#)
- [Uninstalling OpenEdge Replication](#)

## Prerequisite applications

To run OpenEdge Replication, you must install either the OpenEdge Release 10.1C Enterprise database or Workgroup database. You can install the database either at the same time that you install OpenEdge Replication, or before you install OpenEdge Replication.

For more information about OpenEdge installations, see *OpenEdge Getting Started: Installation and Configuration*.

## Shutting down nonessential applications or tasks

Shut down any nonessential applications or tasks that might be running. Also, shut down other applications or tasks that might interfere with the installation or use files that OpenEdge Replication needs to complete the installation. Shut down any processes where the executable itself, or a file used by the executable, is located in the directory where you intend to install OpenEdge Replication. Additionally, ensure that the AdminService is shut down.

## Resetting read-only files

Before you install OpenEdge Replication in a Windows system, you should check the files in the location designated by the environment variables SytemDrive and SystemRoot to see whether any of the .dll files have the read-only bit set. If any .dll files in this directory are read-only, you must reset them to writable before installing OpenEdge Replication.

# Installing OpenEdge Replication

You are now ready to install OpenEdge Replication in a Windows system. Note that online Help assistance for OpenEdge is available as you proceed through the installation.



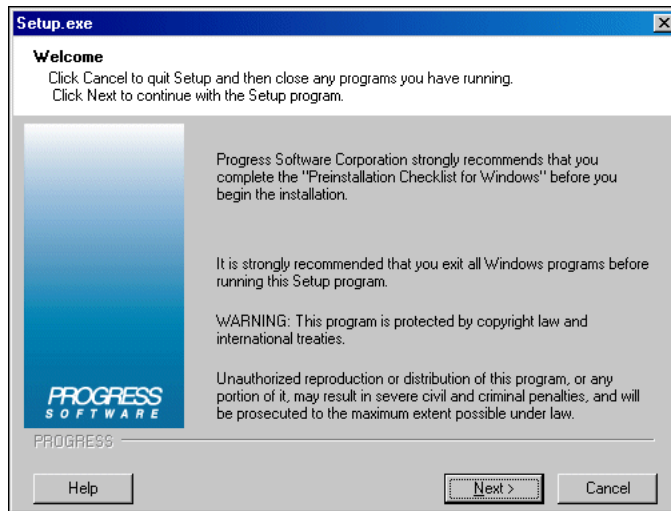
## To install OpenEdge Replication in a Windows system:

1. You have the option of installing OpenEdge Replication manually by typing in the product serial number and controls codes or automatically by having the install utility read in the number and codes from an electronic text file.

If you plan to type in the number and codes manually, be sure to have the *License Addendum* available for information that you will need to complete the installation. The Addendum also provides volume information and the media-ID number. Once you complete the installation process (regardless of the install method you use), keep the *License Addendum* in a secure area.

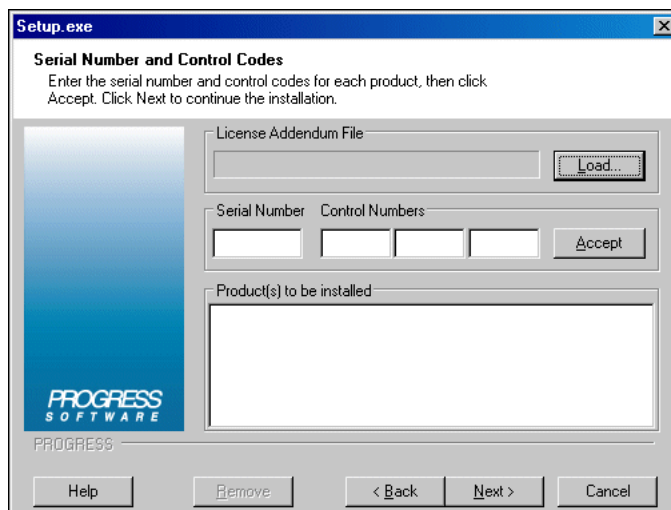
2. If you have not done so already, read the hard copy *OpenEdge Replication Release Notes* for the installation. The *OpenEdge Replication Release Notes* might replace or supplement the installation instructions in this book.
3. Close all other applications before beginning the installation process.

4. 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:



The **Welcome** dialog box reminds you to close any other running Windows programs.

5. Click **Next** to continue. The **Serial Number and Control Codes** dialog box appears:



6. You can provide the serial number and control codes in either of the following ways:
- Manually enter the serial number and control codes. For OpenEdge Replication and each additional product you are installing, type the nine-digit serial number and each of the five-digit control numbers from your *License Addendum*. Then click **Accept**. Each product name is added to the **Product(s) to be installed** list.

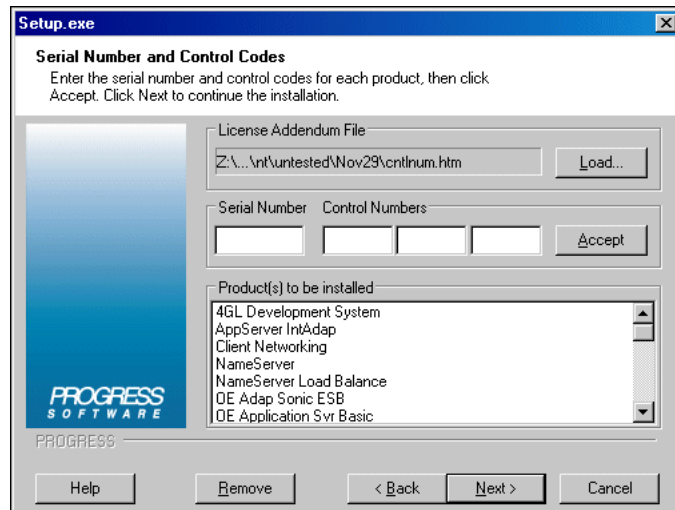
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**Note:** The serial and control numbers are not case-sensitive. The installation process automatically converts all letters to uppercase. The cursor advances to the next field automatically when you type the correct number of characters.

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- Allow the installation program to read the codes from an electronic text file. Click **Load**, and provide the full path in the **License Addendum File** field.

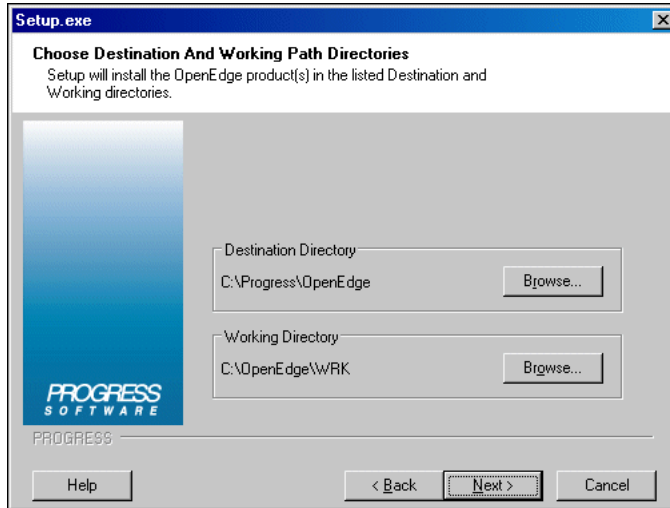
A list of all products in the License Addendum file appears under **Product(s) to be installed**:



Review the list of products. You can install all the products in the list, or you can remove any products you do not want to install:

- To remove an individual product, select it and click **Remove**. Click **Yes** to confirm.
- To remove multiple products, select each product using **CTRL+CLICK**; then click **Remove**. Click **Yes** to confirm.

7. Once you choose all the products you want to install, click **Next** to continue. The **Product License Agreement** dialog box appears.
8. Read the terms of the License Agreement carefully. To accept the agreement and proceed with the installation, click **Yes**. The **Choose Destination And Working Path Directories** dialog box appears:



The **Destination Directory** identifies where OpenEdge Replication will be installed. The **Working Directory** contains your applications, your databases, and your log files.

The default Destination Directory is C:\Progress\OpenEdge, and the default Working Directory is C:\OpenEdge\WRK.

9. Accept the **Choose Destination And Working Path Directories** defaults, or click **Browse** to select alternate directories, keeping in mind the following important considerations:
- Do not make your OpenEdge working directory a subdirectory under the OpenEdge installation path. If you uninstall OpenEdge, the working directory is deleted along with the destination directory. Additionally, you cannot start a server for a database that has been installed in a subdirectory of OpenEdge.
  - If you have other versions of OpenEdge products installed, **do not** enter the pathname where these products reside. In fact, if you specify the path of an existing OpenEdge installation, you are prompted to select another path, erase the current path, or install the products in the pre-existing path.

Be sure **not** to install the products in the pre-existing path if you do not want to overwrite any of your existing product directories and files.

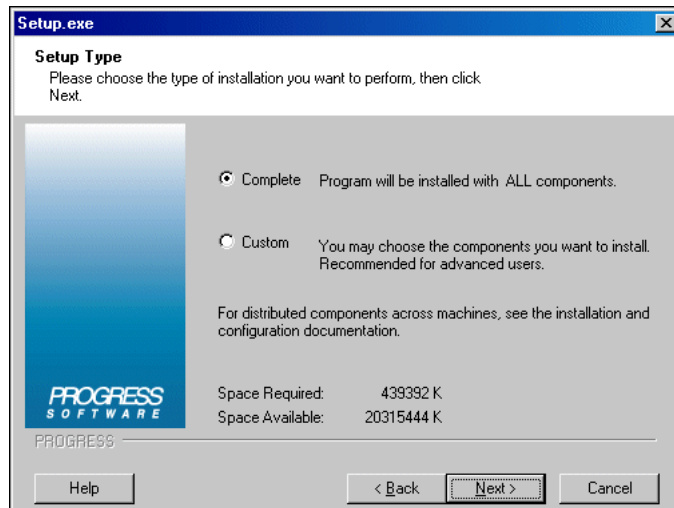
- If you want to add OpenEdge products to the most recently installed version, the install program assumes that you are adding products to that install location. For more information, see *OpenEdge Getting Started: Installation and Configuration*.

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**Caution:** Never run OpenEdge products from the directory in which you installed them. If you do, you could damage the OpenEdge software files.

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10. Click **Next** to continue. The **Setup Type** dialog box appears:

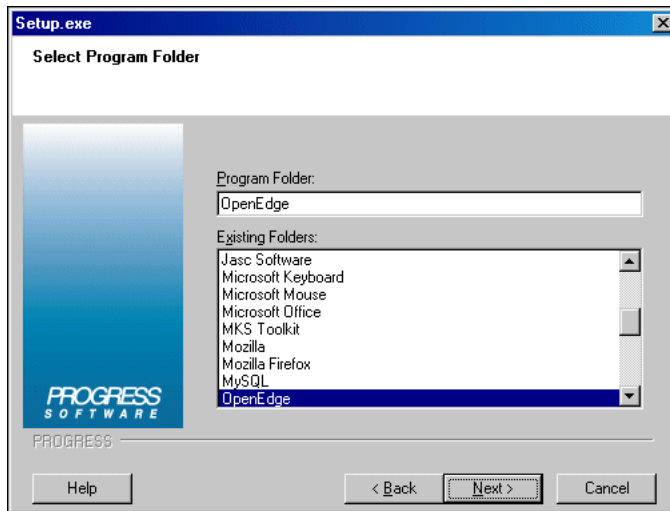


11. Select **Complete** if you are installing only OpenEdge Replication, or if you intend to do a complete installation of all OpenEdge products.

OpenEdge Replication does not contain any selectable components, so you must do a complete installation. The steps that follow assume that you have chosen to do a complete installation.

If you are installing other products, however, it is possible to do a complete installation of OpenEdge Replication and custom installations of the other products. You can select **Custom** in the **Setup Type** dialog box and then select components and subcomponents for the other products. There will be no selectable components for OpenEdge Replication. For more information about complete and custom installations, see *OpenEdge Getting Started: Installation and Configuration*.

12. Click **Next** to continue. The **Select Program Folder** dialog box appears:

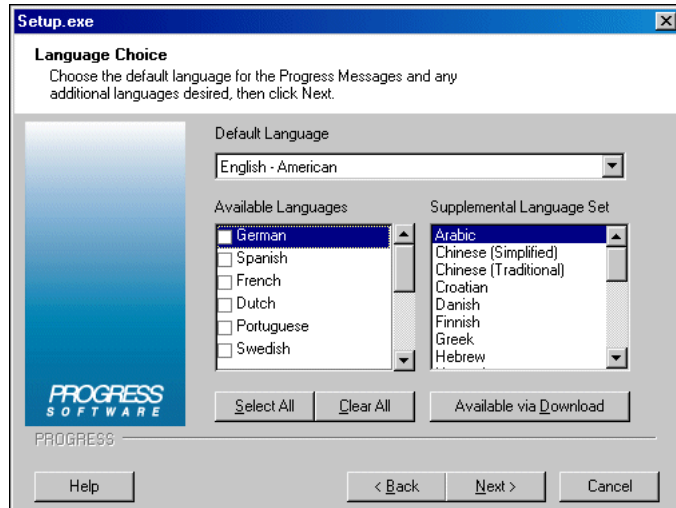


13. Select the Program Folder, and click **Next** to continue.

Depending on which products (other than OpenEdge Replication) you are installing, you might see additional dialog boxes concerning the SQL Server Engine, the OpenEdge Adapter for Sonic ESB, WebSpeed, or Progress Dynamics®. For more information, see *OpenEdge Getting Started: Installation and Configuration*.



Otherwise, the **Language Choice** dialog box appears:



The **Language Choice** dialog box contains two lists of languages. You can select multiple items from the **Available Languages** list. The **Supplemental Language Set** is displayed in a nonselectable list box. Click **Available via Download** to find information on where to get the untranslated languages.

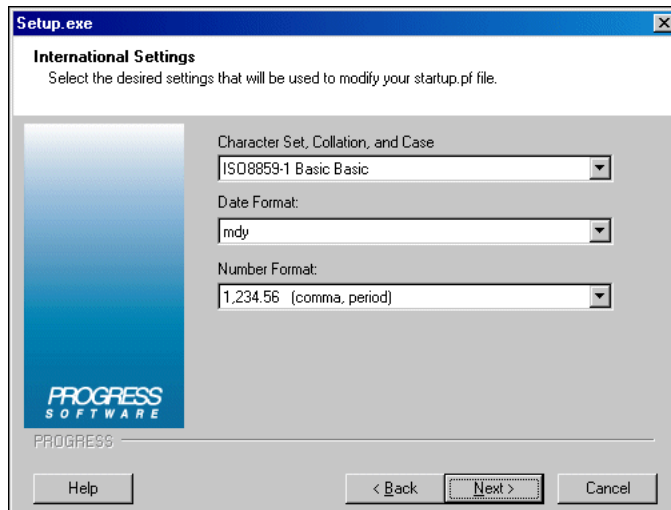
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**Note:** While the languages listed in the **Supplemental Language Set** are supported by OpenEdge, messages are not translated and appear in English only.

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14. Select the languages you want to use for error and informational messages. OpenEdge can use these languages for run-time messages. The initial value for the default language is determined by the operating system on which you are installing OpenEdge. However, you can set the result to any of the provided languages.

15. Click **Next**. The **International Settings** dialog box appears:



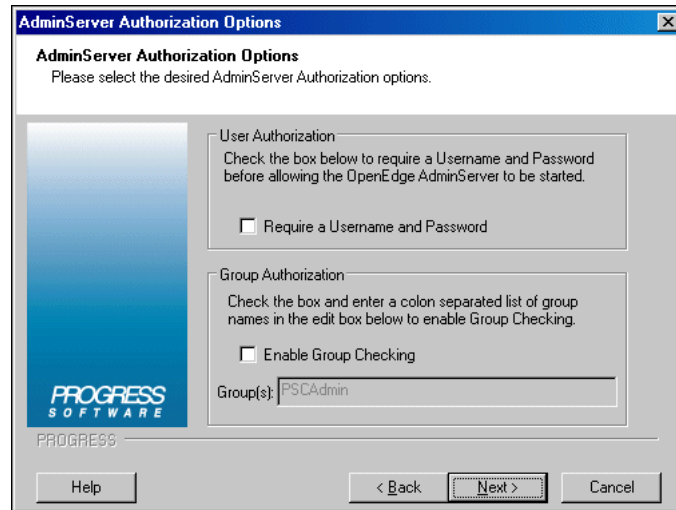
The **International Settings** dialog box allows the installation program to tailor your startup parameter file (`startup.pf`) to specify international conventions. (For more information on international conventions, see *OpenEdge Development: Internationalizing Applications*.)

16. From each drop-down list, select the international **Character Set, Collation, and Case**; **Date Format**; and **Number Format** to tailor the default `startup.pf` file.

17. Click **Next**.

Depending on which products (other than OpenEdge Replication) you are installing, you might see the **Web Services Adapter Settings** at this point. For more information about Web Services adapter settings, see *OpenEdge Getting Started: Installation and Configuration*.

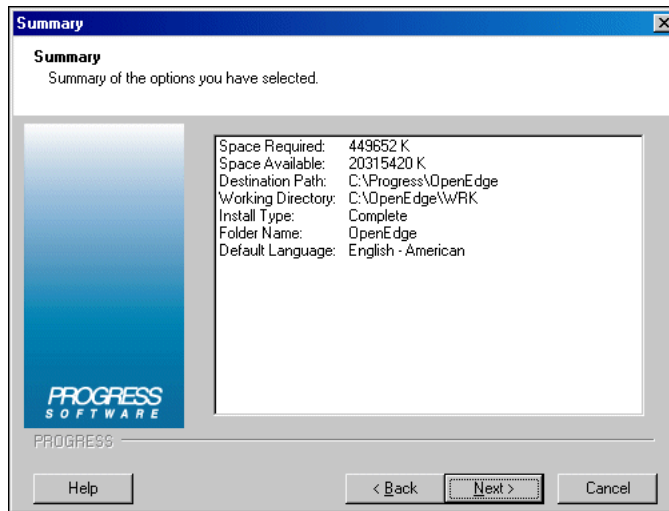
Otherwise, the **AdminServer Authorization Options** dialog box appears:



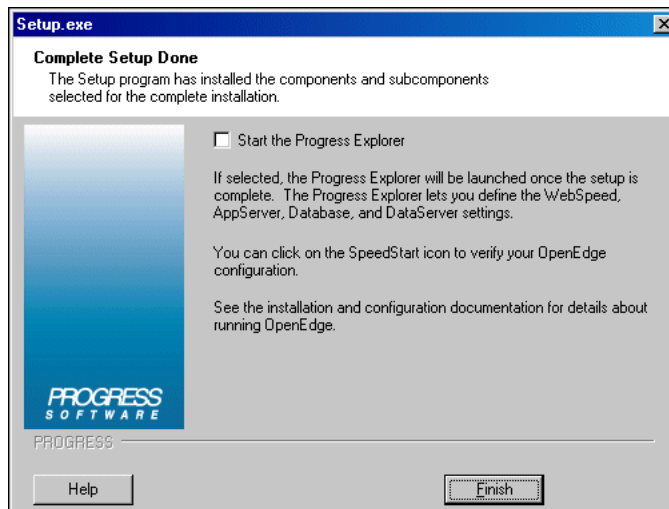
When you install OpenEdge in Windows operating systems, and you install OpenEdge products that use the AdminServer, the installation program prompts you to define optional security options. You can indicate whether individual and/or group authorization is required to start the AdminServer.

The products that use the AdminServer are Progress® AppServer™, Progress® WebSpeed™, SonicMQ® Adapter, and the Progress Explorer. For more information about security options, see *OpenEdge Getting Started: Installation and Configuration*.

18. Click **Next**. The **Summary** dialog box appears, displaying a summary of the installation options you selected:



19. Click **Next**. The setup program installs the OpenEdge files. When the installation finishes, the **Complete Setup Done** dialog box appears:



**20.** Click **Finish**.

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**Notes:** If you are installing a product that contains Progress Dynamics® components, you must run the Dynamics Configuration Utility (DCU). The DCU installs and configures any specified Repository databases and other Progress Dynamics services required for your installation.

Before you can start OpenEdge Replication, the AdminServer must be running.

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For more information about installation and configuration of OpenEdge products, see *OpenEdge Getting Started: Installation and Configuration*.

## Uninstalling OpenEdge Replication

When you manually delete files from the OpenEdge Replication directory tree, you only partially remove an OpenEdge Replication installation. By contrast, the Uninstall utility removes all OpenEdge Replication files as well as configuration information from the registry, which prevents conflict with subsequent OpenEdge Replication installations. If you want to upgrade or remove an installation, run the Uninstall utility from the OpenEdge program group.

Note that you cannot uninstall **only** OpenEdge Replication. If you want to remove OpenEdge Replication, you must uninstall the entire OpenEdge product.

You can run the Uninstall utility (or use the **Add/Remove Programs** utility located in the Windows Control Panel) to automatically remove OpenEdge from your system. Running the Uninstall or the Remove Program utility removes configuration information from the registry and prevents conflict with subsequent OpenEdge or OpenEdge Replication installations.

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**Caution:** When uninstalling, do not delete any of the following Microsoft system files: mfc40.dll, mfc42.dll, mfcan32.dll, msvcrt.dll, msvcrt20.dll, msvcrt40.dll, o1ep32.dll. These system files are common to other applications, and deleting them might adversely affect the operation of the other applications that use them. To avoid deleting these system files while running the Uninstall utility, answer **NO** to the prompts at the end of the uninstall process.

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### To run the Uninstall utility:

1. Log in under the same domain and user name you used when you installed OpenEdge Replication.
2. Make sure that OpenEdge Replication is not running.
3. Make sure the Admin Service is not running.
4. Choose **Start**→**Programs**→**OpenEdge**→**Uninstall OpenEdge**. A confirmation message appears.
5. Click **Yes**. The utility begins to uninstall the OpenEdge files.
6. Click **OK** when the uninstall is complete.

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# UNIX Installation

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This chapter contains step-by-step instructions for installing OpenEdge Replication on UNIX platforms, as outlined in the following sections:

- [Performing preinstallation tasks](#)
- [Installing OpenEdge Replication](#)
- [Uninstalling OpenEdge Replication](#)

## Performing preinstallation tasks

Complete the following preinstallation tasks before starting your OpenEdge Replication product installation on UNIX:

- You have the option of installing OpenEdge Replication manually by typing in the product serial number and controls codes, or automatically by having the install utility read in the number and codes from an electronic text file.

If you plan to type in the number and codes manually, be sure to have the *License Addendum* available for information that you will need to complete the installation. The Addendum also provides volume information and the media-ID number. Once you complete the installation process (regardless of the install method you use), keep the *License Addendum* in a secure area.

- Read the release notes.

Your media box might contain a document entitled *OpenEdge Replication Release Notes*. If so, please read the hard copy release notes before performing the installation. The *OpenEdge Replication Release Notes* might replace or supplement the installation instructions in this guide. In addition, online *OpenEdge Replication Release Notes* are available during the installation.

- Install the OpenEdge Release10.1C Enterprise database or the OpenEdge Release10.1C Workgroup database.

## JRE and JDK requirements

For details about JRE or JDK requirements, see *OpenEdge Getting Started: Installation and Configuration*.



# Installing OpenEdge Replication

You are now ready to install OpenEdge Replication. Note that as you proceed through the installation, OpenEdge online Help assistance is available.



## To install OpenEdge Replication on each machine where it will run:

1. Log in as root. If you do not know the root password for your machine, check with your system administrator.
2. Insert the OpenEdge Replication installation CD into the CD-ROM drive.

---

**Note:** There is an automount daemon on the Solaris platform that mounts the CD within approximately five seconds. If, however, the automount does not occur on your Solaris machine, use the mount command provided in [Table 4–1](#).

---

3. Enter your platform-specific mount command (where *device-name* is the device you are using for the installation and *mount-point* is the mount-point directory).

---

**Note:** You cannot install on Linux over an NFS-mounted device.

---

[Table 4–1](#) lists the mount commands for each supported platform.

**Table 4–1: Mount commands**

(1 of 2)

Operating system	Mount command
HP Tru64 UNIX	<pre>mount -t cdfs -o noversion device-name mount-point</pre> For example: <pre>mount -t cdfs -o noversion /dev/rz3c /cdrom</pre>
HP-UX 11, 11i	<pre>mount -F cdfs -r -o cdcase device-name mount-point</pre> For example: <pre>mount -F cdfs -r -o cdcase /dev/dsk/c0t2d0 /cdrom</pre>
IBM AIX 5L	<pre>mount -v cdrfs -r device-name mount-point</pre> For example: <pre>mount -v cdrfs -r /dev/cd0 /cdrom</pre>

Table 4–1:      Mount commands (2 of 2)

Operating system	Mount command
HP-UX (PA-RISC) (32- bit, 64-bit)	mount -F cdfs -r -o cdcase <i>device-name mount-point</i> For example: mount -F cdfs -r -o cdcase/dev/dsk/c1t2d0 /cdrom
HP-UX Itanium (64-bit)	mount -F cdfs -r -o cdcase <i>device-name mount-point</i> For example: mount -F cdfs -r -o cdcase/dev/dsk/c0t0d0 /cdrom
Linux	mount -t iso9660 <i>device-name mount-point</i> For example: mount -t iso9660 /dev/cdrom /cdrom
SUN Solaris 64-bit	mount -F hsfs -o ro,nrr -r <i>device-name mount-point</i> For example: mount -F hsfs -o ro,nrr -r /dev/dsk/c0t4d0s0 /cdrom
Sun Solaris SPARC	mount -F hsfs -o ro,nrr -r <i>device-name mount-point</i> For example: mount -F hsfs -o ro,nrr -r /dev/dsk/c0t4d0s0 /cdrom

4. Enter the following install command:

`mount-point/proinst`

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

If you have either the supported JVM version on your system or a platform for which Progress Software Corporation ships a JVM, the **Welcome** dialog box appears:



5. Press **RETURN**. The **Product Configuration Data** dialog box 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]   |
|                                                         | [Ctrl-P=Help]      |
|                                                         | [Ctrl-A=Addendum File] |
+-----+

```

Table 4–2 describes the options available in the **Product Configuration Data** dialog box.

**Table 4–2: Product Configuration Data dialog box options**

Option	Function
<b>ENTER</b> = Additional	Confirms that the product information entered is correct and clears the input fields for additional information for another OpenEdge product you want to install.
<b>CTRL+E</b> = Done	Confirms that the product information entered is correct and continues to the next step in the installation. The actual key you use to indicate <b>Done</b> varies by terminal type. Refer to the <b>Product Configuration Data</b> dialog box for the appropriate key combination for your terminal.
<b>CTRL+T</b> = Quit	Quits the Installation Utility. The <b>Quit Confirmation</b> dialog box appears. Type <b>Y</b> to quit or <b>N</b> to continue the installation.  <b>Note:</b> When you quit the installation process, the installation utility and all the installation files you copied into your working directory are deleted.
<b>CTRL+N</b> = Release Notes	Displays the online <i>Release Notes</i> .
<b>CTRL+V</b> = View	Displays the products for which you entered control numbers.
<b>TAB</b> = Next Field	Moves to the next field in the dialog box.
<b>CTRL+P</b> = Help	Provides <b>Product Configuration Data</b> dialog box help.
<b>CTRL+A</b> = Addendum File	Opens the <b>License Addendum File</b> dialog box.

- Press **ENTER**, and then repeat for each additional product you are installing.

**Note:** The serial and control numbers are not case-sensitive. The installation process automatically converts all letters to uppercase.

- Press **CTRL+A**. The **License Addendum File** dialog box appears:

```

+-----+
+      License Addendum File      +
+-----+
Enter Path: █
+-----+
[Enter=OK]  [CTRL-N=Cancel]
+-----+

```

Type the full path to the License Addendum File in the **Enter Path** field; then press **ENTER**. The **Product Configuration Data** dialog box reappears and confirms that the serial number and control codes have been accepted:

```

-----
Product Configuration Data
-----
Company Name: Progress ----- [Enter=Additional]
Serial Number: ----- [Ctrl-E=Done]
Control Number: ----- [Ctrl-T=Quit]
[Ctrl-N=Release Notes]
[Ctrl-V=View]
[TAB=Next Field]
[Ctrl-P=Help]
[Ctrl-A=Addendum File]
Control numbers have been confirmed and accepted.

```

7. Press **CTRL+V**. (Press **CTRL+V** a second time if you are installing on a Solaris platform.) The **Entered Product List** appears:

```

+-----+
| Entered Product List |
+-----+
| OE Development Server |
| OE Application Svr Basic |
| WebSpeed Messenger |
| OpenEdge Replication |
| OE Workgroup RDBMS |
| OE Enterprise RDBMS |
| Query/RESULTS |
| NameServer |
| OE Personal RDBMS |
| WSA |
| Client Networking |
| OE DataServer for Oracle |
| AppServer IntAdap |
| NameServer Load Balance |
| OE Adap Sonic ESB |
| OE SQL Client Access |
| OE Application Svr Ent |
| OpenEdge Repl Plus |
+-----+

```

(The Entered Product List shows only those products included in your License Addendum.)

Press **ENTER** to close the **Entered Product List**.

- When you finish entering the serial number and control numbers for all the products you want to install on the **Product Configuration Data** dialog box, press CTRL+E. The **Done Configuration Data Confirmation** dialog box 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]

```

9. Type **Y** to continue with the installation. The **Install Type and Destination** dialog box appears:

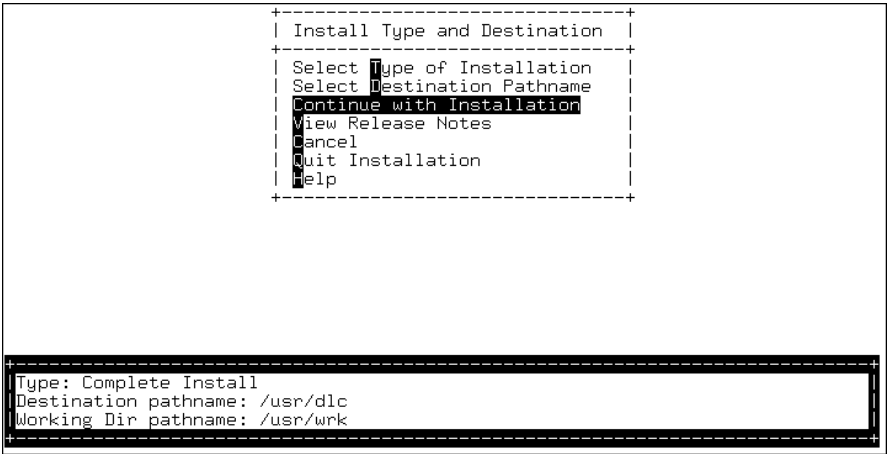


Table 4–3 describes the menu options on the **Install Type and Destination** dialog box that you will be working with once you choose the type of installation you want to perform.

To select an option, highlight the option using the **SPACEBAR** key, the **TAB** key, the **CURSOR** keys, or the accelerator keys that are highlighted in each selection. Press **ENTER** to execute the selected option.

**Table 4–3:      Install Type and Destination dialog box options** (1 of 2)

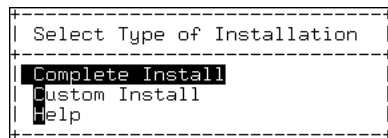
Option	Function
Select type of Installation	Allows you to select the type of installation you want to perform.
Select Destination Pathname	Allows you to change the default destination pathname (/usr/dlc) and work directory (/usr/wrk) pathname.
Continue with Installation	Confirms your selections (or accepts the defaults listed in the status box) and continues with the installation.

**Table 4–3: Install Type and Destination dialog box options** (2 of 2)

Option	Function
<b>View Release Notes</b>	Allows you to view the latest release notes using the <code>vi</code> or <code>emacs</code> editor.  When you choose this option, the Installation Utility launches the editor. To exit <code>vi</code> after reading the <i>Release Notes</i> , type <code>:q!</code> . To exit <code>emacs</code> , press <b>CTRL+X</b> and then <b>CTRL+C</b> .
<b>Cancel</b>	Cancels the previous selection.
<b>Quit Installation</b>	Quits the Installation Utility. The <b>Quit Confirmation</b> dialog box appears. Type <b>Y</b> to quit or <b>N</b> to continue the installation.  <b>Note:</b> When you quit the installation process, the installation utility and all the installation files you copied into your working directory are deleted.
<b>Help</b>	Provides <b>Install Type and Destination</b> dialog box help.

You should read the online *OpenEdge Replication Release Notes* before continuing with the installation. These notes might replace or supplement the installation instructions in this guide. The notes appear in the `vi` or `emacs` editor when you choose **View Release Notes**.

10. Choose **Select Type of Installation** if you are doing a custom installation of products other than OpenEdge Replication. The **Select Type of Installation** dialog box appears:



OpenEdge Replication does not contain any selectable components, so you must do a complete installation. For more information about complete or custom installations, see *OpenEdge Getting Started: Installation and Configuration*.

Select the installation type, and press **RETURN**.

- [illegible]

Type your OpenEdge Replication destination path or accept the default directory (/usr/d1c). Then type the work directory path or accept the default provided (/usr/wrk).

---

**Caution:** Do not make your working directory a subdirectory under the destination path.

- 
- Caution:** Do not make your working directory a subdirectory under the destination path.

- ```
+-----+ Destination Pathname Exists +-----+
```
- ```
| Select an alternate destination path |
```
- ```
| Erase the current destination path   |
```
- ```
| Install the OpenEdge products in the pre-existing destination path |
```
- ```
| Help                                |
```
- ```
+-----+
```



Table 4–4 lists the options in the **Destination Pathname Exists** dialog box.

**Table 4–4: Destination Pathname Exists dialog box options**

Option	Action
Select an alternate destination path	Allows you to select another destination path. This returns you to the <b>Select Destination Pathname</b> dialog box.
Erase the current destination path	Deletes the contents and subdirectories of the named directory and reinstalls in the same directory.
Install the OpenEdge products in the pre-existing destination path	Installs OpenEdge products in the named directory. If the name of a file being installed matches the name of an existing file, the installation utility overwrites the existing file. The installation utility does not, however, overwrite the <code>progress.cfg</code> file.
Help	Provides <b>Destination Pathname Exists</b> dialog box help.

14. Choose one of the options and make the necessary changes.
15. From the **Install Type and Destination** dialog box, choose **Continue with Installation**. Then press **RETURN**. The **Select Server Engine** dialog box appears:

```

+-----+
|                                     |
|               Select Server Engine |
|                                     |
+-----+
| *SQL -Provides SQL access to OpenEdge data files |
| Continue with Install |
| Cancel |
| Help |
+-----+

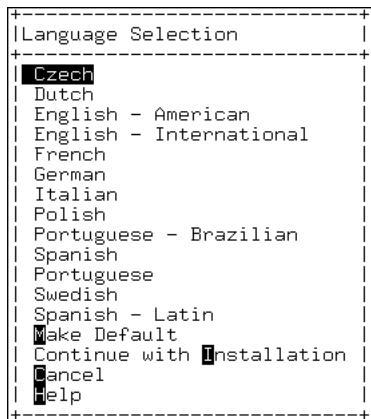
```

Note that the **SQL** option is selected by default. (To clear the option, highlight it and press **RETURN**.) For additional details about server engine options, click **Help** or see *OpenEdge Getting Started: Installation and Configuration*.

Choose **Continue with Install**. Then press **RETURN**.

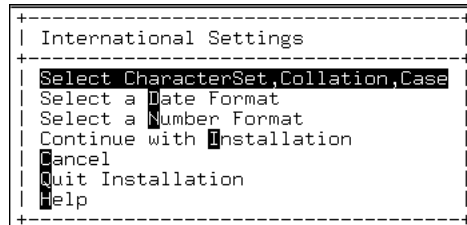
If you are installing the Sonic ESB product, you see a dialog box related to entering Sonic ESB properties. If you are installing any products with WebSpeed components, the installation program will ask for information about your Web server at this point. For more information, see *OpenEdge Getting Started: Installation and Configuration*.

16. If you are installing OpenEdge Replication alone, or with additional products that do not have WebSpeed components, the **Language Selection** dialog box appears:



17. Select the language you want to use for error and informational messages. To select a language, use your arrow keys to highlight the language and press **RETURN**. An asterisk (\*) appears next to the selected language.
18. Press **M** to choose a language as the default language. The symbol (**d**) appears to the right side of the default language. If you do not select a default language, a warning message appears.

19. When you finish selecting the languages, choose **Continue with Installation**. The **International Settings** dialog box appears:



The **International Settings** dialog box allows you to tailor the default startup parameter file (startup.pf) to select international conventions for your locale, such as **Character Set**, **Collation**, **Case**, **Date Format**, and **Number Format** preferences. For more information about international conventions, see *OpenEdge Development: Internationalizing Applications*.

20. From each drop-down list, select the international **Character Set**, **Collation**, and **Case**; **Date Format**; and **Number Format** to tailor the default startup.pf file.
21. Choose **Continue with Installation**. If you have not completed a required international setting, a warning appears. You must go back and complete all required settings; then, continue with the installation.
22. Press **RETURN**.

---

**Note:** If you are installing any products that contain Web services, the installation program will ask for information about your Web Services Adapter at this point. For more information, see *OpenEdge Getting Started: Installation and Configuration*.

---

The installation performs a check of available disk space. Provided your destination path choice has enough disk space, the **Complete Installation** dialog box appears, displaying a summary of the installation options you selected:

```

+-----+
|               Complete Installation               |
+-----+
|The following products will be installed:           |
|"OE Development Server", "OE Application Svr Basic", "WebSpeed Messenger", |
|"OpenEdge Replication", "OE Workgroup RDBMS", "OE Enterprise RDBMS", |
|"Query/RESULTS", "NameServer", "OE Personal RDBMS", "WSA", "Client |
|Networking", "OE DataServer for Oracle", "AppServer IntAdap", "NameServer |
|Load Balance", "OE Adap Sonic ESB", "OE SQL Client Access", "OE Application |
|Svr Ent", "OpenEdge Repl Plus", "4GL Development System"           |
|Disk Space Required for Products: 883,964,928 bytes |
|Disk Space Required for Installation: 885,050,880 bytes |
|Disk Space Remaining After Installation: 5,782,188,032 bytes |
|Selected Destination Path: /usr1/aspauldi/101csolaris |
|Do you want to install the above listed product(s)? |
|               [Y=YES] [N=NO] [H=Help]             |
+-----+

```

23. Type **Y** to continue. The **Copy Scripts** dialog box appears:

```

+-----+
|               Copy Scripts?               |
+-----+
|Copy the scripts to /usr/bin?|
|               [Y=YES] [N=NO] [H=Help]     |
+-----+

```

OpenEdge Replication consists of several scripts and program modules. When you install the product, the scripts are placed in the installation directory you specify.

24. Choose one of the following:

- To allow all users on your system to run the product, you could answer Yes when prompted to copy the scripts to /usr/bin. Type **Y** to instruct the Installation utility to place OpenEdge Replication scripts in /usr/bin **and** the destination pathname you specified earlier.

---

**Caution:** Answering **Y** might cause the OpenEdge Replication install to overwrite existing scripts in this directory.

---

- Type **N** to instruct the Installation utility to place scripts **only** in the destination pathname you specified earlier.

---

**Note:** If you are maintaining two versions of OpenEdge on the same machine, answer **N** to this question.

---

The OpenEdge installation displays status messages while it is decompressing and tailoring files. You will also see a WebSpeed configuration message if you are installing any products with WebSpeed components. For more information, see *OpenEdge Getting Started: Installation and Configuration*.

25. Press **RETURN**. When the installation is complete, the following dialog box appears:

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

26. Choose **End the OpenEdge Installation** to exit. The UNIX system prompt appears.

27. You can now unmount the CD by entering the following command:

```
umount device-name mount-point
```

## Uninstalling OpenEdge Replication

OpenEdge Replication provides a utility to properly uninstall the product.



### To uninstall OpenEdge Replication:

1. Enter the following command from your OpenEdge Replication `/bin` directory:

```
./repl_unglue
```

The following warning appears:

```
WARNING WARNING WARNING WARNING WARNING WARNING WARNING WARNING WARNING
The Replication unglue script will disassociate the Progress product version
previously associated with this installation of Replication on this machine.
Choosing to do so will result in Replication not being able to run on this
machine, do you wish to continue? [y | n]
```

2. Choose **y** to unglue OpenEdge Replication.

Unglue removes all OpenEdge Replication-specific files from the OpenEdge directory, but it does not remove the OpenEdge Replication product itself.

3. To remove the OpenEdge Replication product, you must delete the OpenEdge Replication directory tree.

---

# Index

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## A

Admin Server Authorization Options dialog box 3–11

## C

Character sets 3–10, 4–13

Choose Destination And Working Path Directories dialog box 3–6

Complete installation 4–9

Complete Setup Done dialog box 3–12

Control numbers 3–4

Custom installation 4–9

## D

Data replication 1–2

Databases 2–4

Date format 3–10, 4–13

Destination directory 3–6, 4–8

Destination Pathname Exists dialog box 4–11

Done Configuration Data Confirmation dialog box 4–7

## I

Install Type and Destination dialog box 4–8

Installation  
    planning 2–2  
    UNIX 4–1  
    Windows 3–1

International Settings dialog box 3–10, 4–13

## L

Language 3–9, 4–12

Language Choice dialog box 3–9

Language Selection dialog box 4–12

License  
    addendum 3–3  
    information during installation 3–3, 4–2  
    requirements 2–4

## M

Migrating 2–2

## N

Number format 3–10, 4–13

## P

Planning for installation 2–2

Platform support 2–3

Preinstallation tasks 4–2

Prerequisite applications 3–2

Product configuration 4–5

Product Configuration Data dialog box 4–5

## R

Read-only files 3–2

Release notes 3–3, 4–9

Requirements 2–4

## S

Select Destination Pathname dialog box  
4–10

Select Server Engine dialog box 4–11

Select Type of Installation dialog box 4–9

Serial and Control Numbers dialog box 3–4

Serial numbers 3–4

Setup Type dialog box 3–7

startup.pf file 3–10

Summary dialog box 3–12, 4–14

System requirements 2–3

## U

unglue command 4–16

Uninstall

UNIX 4–1, 4–16

Windows 3–6, 3–14

UNIX

preinstallation tasks 4–2

uninstall 4–1, 4–16

Upgrading 2–2

## W

Welcome dialog box 3–4

Windows installation 3–1

Working directory 3–6, 4–8