Progress®



Install OpenEdge

OpenEdge®

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Before You Install

Before you install OpenEdge, Progress recommends a set of planning tasks. These tasks include understanding the system requirements for the environment in which you plan to install OpenEdge, identifying the set of OpenEdge products to install, determining the installation method and type to use, and obtaining an electronic License Addendum file. Depending on your specific requirements, there may be other tasks as well.

These tasks are described in the following sections:

- System requirements and supported platforms on page 7
- Plan your installation on page 8

For details, see the following topics:

- System requirements and supported platforms
- Plan your installation

System requirements and supported platforms

Before you install OpenEdge on a single machine or network, make sure that your environment meets the hardware and software requirements described in the *OpenEdge 12 Platform & Product Availability Guide* on the Progress Information Hub at https://docs.progress.com. Refer to that document for supported platform, certification, and compatibility information, including the following:

- System requirements
- Java certification and considerations

- Disk space requirements
- Server compatibility
- Supported OpenEdge clients
- General connectivity and compatibility rules
- Required third-party applications
- Deprecated and de-supported features and functionality

Plan your installation

Before you run the installation program, review the following topics to plan your OpenEdge installation:

- *OpenEdge Release Notes*—Describes known issues and other late-breaking product details that might not be in the OpenEdge product documentation.
- Windows installation considerations on page 8
- Download the License Addendum file on page 10
- Installation method choices on page 10
- Installation types on page 10
- Sharing an OpenEdge installation on a Windows network on page 11
- Custom installation bundles on page 12
- Technical product content and sample applications on page 12

Windows installation considerations

Before you launch the OpenEdge installation program on Windows, there are a number of factors regarding your target installation environment that affect the installation choices you need to make. These factors include:

- The specific location in which to install the OpenEdge software
- The location of the the working directories that contain your applications, databases, and log files, which must be separate from the OpenEdge installation directory
- The proper settings for the read-only `.dll` and `.ocx` files
- Required software that must be installed beforehand

OpenEdge installation and working directories

Throughout this document, *`OpenEdge-install-dir`* represents the directory into which the OpenEdge software is installed. The default OpenEdge installation directory is `C:\Progress\OpenEdge`. However, during installation, you can choose a different location.

A **working directory** is a directory that contains your OpenEdge database and application files. The installation program prompts you to create a working directory from which to run OpenEdge. The working directory must always be separate from the OpenEdge installation directory.

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

Read-only .dll and .ocx files

Before you install any OpenEdge products in Windows, check the directory `C:\Winnt\system32` or `C:\Windows\system32` to see whether any of the `.dll` or `.ocx` files have the read-only bit set. If any `.dll` or `.ocx` files in this directory are read-only, you must reset them before installing OpenEdge. If you try to install OpenEdge with one or more related `.dll` or `.ocx` files set to read-only, OpenEdge generates a dialog box informing you that you must reset the `.dll` bit or `.ocx` bit and reinstall OpenEdge.

Required software to run OpenEdge products or components

Some OpenEdge products and components depend on the presence of other software or software elements to run as designed. These elements might be required either before you perform an OpenEdge installation or concurrent with the OpenEdge install you perform.

The required software may include one or more of the following:

- Open Client Toolkit
- OpenEdge SQL
- OpenEdge SQL ODBC and JDBC clients

Open Client Toolkit component

If you plan to install a product that contains ProxyGen, you might need to install and configure additional tools to allow the Open Client Proxy Generator (ProxyGen) to build proxies. For more information, see Configuration in *Use the Open Client Toolkit*.

OpenEdge SQL

The installation program does not automatically install the JDK component when you install any of these products:

- OpenEdge Enterprise RDBMS
- OpenEdge Workgroup RDBMS
- OpenEdge Workgroup RDBMS with OpenEdge SQL Client Access

If you intend to develop Java stored procedures and Java triggers for your database, you must install an OpenEdge development product such as Progress Developer Studio for OpenEdge. For information on writing Java stored procedures and triggers, see Stored Procedures and Triggers in *Develop SQL for OpenEdge* and OpenEdge SQL Statements in *OpenEdge SQL Reference*.

OpenEdge SQL ODBC and JDBC Clients

The OpenEdge SQL ODBC and JDBC Clients are components of the OpenEdge Personal RDBMS, Workgroup RDBMS, and Enterprise RDBMS products. You can download them from Progress at http://www.progress.com/esd, using the OpenEdge SQL Client Access product.

Download the License Addendum file

When you launch the installation program, you are prompted enter product information about the OpenEdge license you have purchased from Progress. This information is captured in the **License Addendum file**, which contains the serial numbers and control codes for each of the OpenEdge products and components included in your license.

Your License Addendum file is accessible from the Progress Software Download Center. Before you run the installer, you must download this file, as explained in Obtain a License Addendum file on page 13.

When you run the installation program, you have two options for entering the license details contained in this file:

- Load the License Addendum file. **Recommended**.
- For each OpenEdge product that you want to install, enter the corresponding serial number and control code that is listed in the License Addendum file.

For more information, see Licensing on page 13.

Installation method choices

You can install OpenEdge release products using either of the following methods:

- **Online, interactive installation**—This method prompts you to make installation choices online and record your input in dialog boxes. The dialog boxes appear programmatically as determined by the products you identify to install and the type of install you choose to perform. After you complete the installation, the Setup Utility initializes your choices, enabling you to use the products after the installation.

  Note: Online help is provided with the installation program, and is accessible from **Help** or a specific Help control. The online help provides information and details the procedures required to complete each installation dialog box.

- **Silent installation**—A silent, or batch mode, installation does not prompt you to interactively enter your installation choices. A silent installation reads your installation values and settings as recorded in a response file. Using specific commands, you initiate your response file to run without user interaction. A silent installation supports either a complete or a custom installation.

Installation types

Your OpenEdge installation process depends on what products, components, and subcomponents you choose to install and the type of installation you plan to perform. The following table summarizes the installation options.

Table 1: Installation options

Installation option	Purpose
Complete	Automatically installs all mandatory, recommended, and optional components and subcomponents of the OpenEdge products you are installing.
Custom	Installs all mandatory product components and subcomponents, but allows you to selectively install the recommended and optional components and subcomponents on a product-by-product basis. This installation is recommended for more advanced users and provides the flexibility to distribute OpenEdge components on different machines, select product components to suit their business needs, and work around issues such as disk space limitations. **Note:** When customizing an installation, Progress recommends that you consider removing only optional components and subcomponents. Removing recommended products might negatively affect a product's functionality.

Note that some OpenEdge products that you install have additional installation dependencies, prompting you to perform additional set up or installation tasks as part of the OpenEdge installation process. The OpenEdge installation program automatically determines certain product dependencies and guides you through the completion of these tasks.

If you are performing a Windows installation, OpenEdge development products require Microsoft .NET Framework installed on the machine on which you are installing OpenEdge. If it is not already installed, you will be prompted to accept the software's installation at the conclusion of installation.

Sharing an OpenEdge installation on a Windows network

A network typically consists of the following hardware elements:

- **Application workstation**—A computer on your network that executes the OpenEdge client or single-user software. This allows one or more users to access the database server machine.
- **Database server machine**—The OpenEdge database server machine is a computer on your network that executes the OpenEdge server software. This software allows the database server machine to manage one or more OpenEdge databases.
- **Network file server machine**—The network file server is a computer that manages file sharing and system security, coordinates station-to-station communications, and controls any attached peripherals, such as printers, disk drives, and modems.

On Windows, you can provide multi-client access to a single copy of OpenEdge that is installed on a network-accessible drive (server). To initiate this shared installation type, you must choose to install the Shared Network Installation component, also known as NetSetup, during the installation process. Then, using the appropriate NetSetup deployment option, you can install NetSetup regardless of whether you are performing a complete or a custom installation.

Note:

Progress does not support installing one copy of the OpenEdge Application server products for multiple machines. Because there is only one set of configuration files, conflicts are likely to occur.

Custom installation bundles

You can install all the OpenEdge products using the OpenEdge cd image or specific products by creating a smaller OpenEdge cd image, or **installation bundle**, that you can use to install on the target system. The advantages of this installation bundle are that you can copy it to different locations to install the same set of products on multiple computers.

You can create the installation bundle that contains only the files required for the selected products using the OpenEdge custom installation bundle utility. When you run the installation program from the installation bundle that you created, only your selected OpenEdge products are installed.

Technical product content and sample applications

OpenEdge technical product content and sample applications are available for online access and downloading from the Progress Information Hub at https://docs.progress.com.

Note: To view the OpenEdge content library, simply navigate to https://docs.progress.com and choose the **Bookshelf** link.

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Licensing

When you install OpenEdge, you are prompted to load the **License Addendum file** file for the OpenEdge license you purchased from Progress. This file contains the serial numbers and control codes for each of the OpenEdge products and components included in your license. Your License Addendum file is accessible from the Progress Software Download Center.

Alternatively during installation, you can manually enter the serial number and control code for each product listed in your License Addendum file. However, loading the file itself is the recommended method.

When you run the installation program, the installer records your license information in the OpenEdge configuration file, `progress.cfg`, which is located in the OpenEdge installation directory.

For details, see the following topics:

- Obtain a License Addendum file
- Add licenses to an existing installation
- Update existing product licenses
- Display license information
- Manage user licenses on all supported platforms
- Remove a license for an installed product

Obtain a License Addendum file

To download your License Addendum file:

1. Access the Progress Software Download Center at http://www.progress.com/esd and log in.

   Note: You must be a registered user to download the License Addendum file. Follow the links to create a user account, or retrieve a forgotten password if necessary. Contact `CustomerService@progress.com` for additional assistance.

2. Navigate to the License Addendum page for your OpenEdge release and platform:
   a) On the **SOFTWARE : PRODUCT LIST** page, select the product for which you are obtaining a License Addendum file, for example Progress® OpenEdge®. This brings you to the **SOFTWARE : PRODUCT INFORMATION** page.
   b) On the **SOFTWARE : PRODUCT INFORMATION** page listing a suite of products, choose the release name. This brings you to the page where you select the specific release version to download.
   c) Choose the product release you want to download. This brings you to the **SOFTWARE TERMS AND CONDITIONS** page.
   d) Click **Accept** to accept the PSC End User License Agreement. This brings you to the **SOFTWARE PRODUCT DOWNLOAD** page.
3. On the **SOFTWARE PRODUCT DOWNLOAD** page, click the **License** tab.
4. Position your cursor over the License Addendum area. Save the License Addendum by right-clicking the mouse and choosing **Save as...** (or **Save Page As**) from the pop-up menu and changing the **Save as type** to **Webpage, HTML only**.
5. If you are saving multiple License Addendum files for future electronic installations, be sure to give each an unique name.

   Note: If you require assistance using the Download Center, you can use the Download Center help.

   Caution: Do not edit the License Addendum file. Opening the License Addendum file with software such as Microsoft Word can change the format of the file, making it unreadable by the installation process.

   After you save the License Addendum file locally, you can access it from the **Serial Numbers and Control Codes** dialog box during installation.

Add licenses to an existing installation

If you purchase additional licenses for products for an existing installation, you can re-run the installation program to install those additional products. When you re-run the installation program, you do the following:

1. In the **Serial Number and Control Codes** dialog box, enter the License Addendum file for the additional licenses you purchased.
2. Select the products corresponding to the additional licenses you purchased, and proceed with the installation.

Note the following:

- When you download the installation media for the additional products you have purchased, make sure you download and extract the contents of the installation media to a temporary directory that is outside of your existing OpenEdge installation directory, *`OpenEdge-install-dir`*.
- Prior to running the installation program:

1. Stop any running OpenEdge processes, and close all other applications.
2. As a precaution, make a backup copy of your existing *OpenEdge-install-dir*/properties directory.

- Run the installation program (setup.exe for Windows, and proinst for UNIX and Linux) from the temporary directory in which you downloaded the installation media. Never run the installation program from the OpenEdge installation directory.

Add OpenEdge products to a Windows installation

To add OpenEdge products to an existing OpenEdge installation on Windows machines, complete the following steps:

1. Download the License Addendum file for the additional products you have purchased, as described in Obtain a License Addendum file on page 13.
2. Launch the installation program as described in Launch the Windows interactive installer on page 24.

   If there is an existing installation of the same OpenEdge version, the installer automatically detects the installation and displays a warning dialog box with the following message:

```
The installation has detected that there exists a previous installation of
OpenEdge
in the following directory:

C:\Program Files\installation-path

The installation can only install additional products(s) to the above
directory.

Would you like to continue?
```

3. Choose **Yes** to continue with the installation. The **Welcome** dialog box appears.
4. Choose **Next** to continue. The **Serial and Control Codes** dialog box is displayed.
5. Load the License Addendum file for the additional licenses you have purchased and choose **Accept** for each product that you want to add.

The installation program adds the new product licenses to the OpenEdge installation directories automatically. After the installation completes, the progress.cfg configuration file is updated with the new licenses.

Add OpenEdge products to a UNIX or Linux installation

To add OpenEdge products to an existing OpenEdge installation on a UNIX or Linux machine, complete the following steps:

1. Download the License Addendum file for the additional products you have purchased, as described in Obtain a License Addendum file on page 13.
2. Launch the installation program as described in Launch the UNIX interactive installer on page 44.
3. When the **Product Configuration Data** dialog box is displayed, enter the License Addendum file, then enter Done. The **Install Type and Destination** dialog box is displayed.
4. Choose **Select Destination Pathname** and enter the full path of the existing OpenEdge installation directory. The **Destination Pathname Exists** dialog box is displayed.
5. Choose **Install the Progress products in the pre-existing destination path**, press ENTER, and continue with the installation.

The installation program adds the new OpenEdge product licenses to the installation directories automatically. After the installation completes, the `progress.cfg` configuration file is automatically updated with the new products.

Update existing product licenses

You can use the License Update utility to review your product licenses and, as needed, make the following changes:

- Change the number of licensed users
- Update the expiration date for an OpenEdge product
- Update the licenses that you obtained through either the product evaluation process or PSDN subscription renewal process

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Note: The License Update utility is sometimes also called the Product Update utility.

Contact your Progress sales representative for a new License Addendum if you need to use this utility.

Note: For information about installing OpenEdge components using the License Addendum file, refer to Select your OpenEdge installation choices on page 25 for installing in Windows, and Select your installation choices on page 45 for installing on UNIX or Linux.

To use the License Update utility to update your license in Windows, complete the following steps:

1. Use the Show Configuration utility (`SHOWCFG`) to display the product license information for each OpenEdge product currently installed on your system, as described in Display license information on page 17.
2. Choose **License Update** from your OpenEdge group. After a welcome message appears, the **Serial & Control Numbers** dialog box appears.
3. Enter the serial number and the new control numbers that Progress supplies when you upgrade your license.
4. Choose **Accept**. The **Product(s) Updated** dialog box displays the products you want to update. When you are finished updating the products, choose **Done**.

To update your license on UNIX or Linux. complete the following steps:

1. Use the `SHOWCFG` utility to display the product configuration information stored in the OpenEdge Release configuration file `progress.cfg`, as described in Display license information on page 17.
2. Change your current working directory to the directory where you installed OpenEdge.
3. At the system prompt, enter the `proupdt` command.
4. When the **Welcome** dialog box appears, press `RETURN`. The **Product Configuration Data** dialog box appears:

```
+-------------------------------------------------------------------+
|                    Product Configuration Data                     |
+-------------------------------------------------------------------+
|                                                [Enter=Additional] |
| Company Name: ________________________________ [Ctrl-E=Done]     |
| Serial Number: _________                       [CTRL-T=Quit]     |
| Control Number: _____  _____  _____            [CTRL-N=Release Notes]|
|                                                [CTRL-V=View]     |
|                                                [TAB=Next Field]  |
|                                                [CTRL-P=Help]     |
|                                                [CTRL-A=Addendum File]|
|                                                                  |
+-------------------------------------------------------------------+
```

5. Type your company name, the serial number, and the new control numbers Progress supplies when you upgrade your license.
6. Press ENTER. The **Modified Product Information** dialog box appears:

```
+-------------------------------------+
|   Modified Product Information      |
+-------------------------------------+
|  Product Name:   Query/RESULTS      |
|                                     |
|  Old User Count:       Unlimited    |
|  New User Count:       Unlimited    |
|  Old Expiration Date:  05/05/2018   |
|  New Expiration Date:  05/05/2020   |
|                                     |
|                                     |
|              [Enter=OK]             |
+-------------------------------------+
```

7. Press ENTER again to return to the **Product Configuration Data** dialog box.
8. Press CTRL+E to finish.

Note: You cannot press CTRL+E from the **Serial Number** field.

Display license information

The OpenEdge installation program prompts you to enter product information contained in your License Addendum file. During the installation process, the installation program records the license information in the OpenEdge configuration file, `progress.cfg`, which is located in the OpenEdge installation directory. You can use the SHOWCFG utility to display licensing information, product installation, and configuration details about each OpenEdge product that is installed.

Use the SHOWCFG utility on Windows

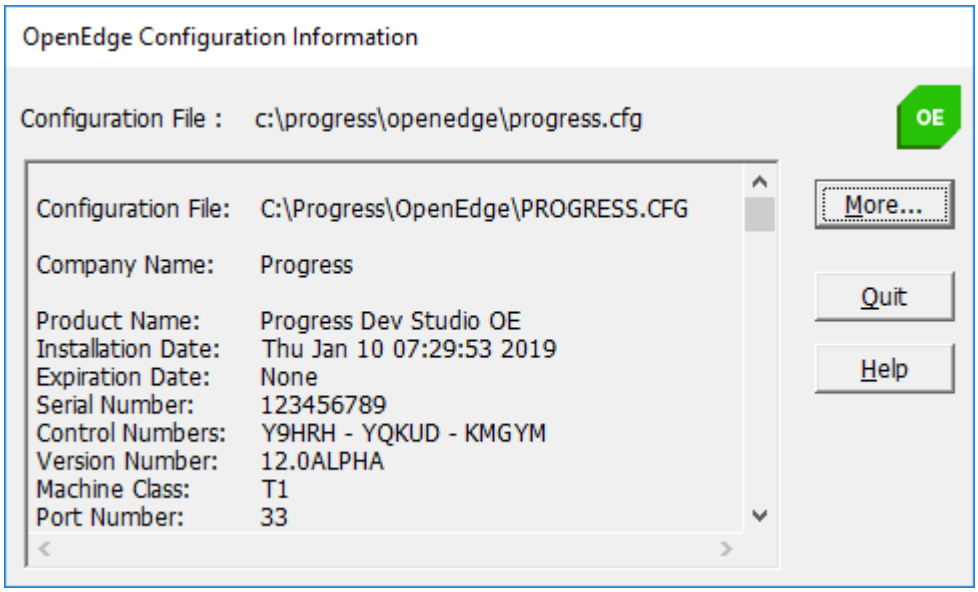
The SHOWCFG utility displays product installation and configuration information for each OpenEdge product installed on your system. The following table describes the different ways to run the SHOWCFG utility.

Table 2: Running the SHOWCFG utility

To run the SHOWCFG utility from the ...	Then ...
Start menu	Choose **Progress** > **License Info**
Command line of the **Proenv** window	Enter the `showcfg` command

The SHOWCFG utility opens the **OpenEdge Configuration Information** dialog box to display the product configuration information stored in the OpenEdge configuration file `progress.cfg`. This file is created and modified during product installation.

The following figure shows an example of the **OpenEdge Configuration Information** dialog box.



The following table summarizes the information that SHOWCFG displays.

Table 3: Display fields associated with the SHOWCFG utility

This display field ...	Identifies the ...
Product Name	Name of the installed product
Installation Date	Date the product was installed
Expiration Date	Date the license expires
Serial Number	Number associated with the license agreement

This display field ...	Identifies the ...
Control Numbers	Numbers used by the OpenEdge installation software
Version Number	Software product version
Machine Class	Tier code associated with the license agreement
Port Number	Platform on which the software product is installed

Use the SHOWCFG utility on UNIX or Linux

The `SHOWCFG` utility has the following syntax:

```
<OpenEdge-install-dir>/bin/showcfg <OpenEdge-install-dir>/progress.cfg
```

For example:

```
/userdir/smith/101b/bin/showcfg /userdir/smith/101b/progress.cfg
```

The `SHOWCFG` utility displays the product configuration information stored in the OpenEdge configuration file `progress.cfg`, which is created and modified during product installation.

The following figure shows an example:

Figure 1: Product configuration details display using SHOWCFG utility

```
Configuration File:  ..../progress.cfg

      Company Name:  Progress Software Corporation

      Product Name:  OE Workgroup RDBMS
 Installation Date:  Wed Oct  4 09:17:38 2006
   Expiration Date:  None
     Serial Number:  -----
   Control Numbers:  -----
    Version Number:  10.1B
     Machine Class:  EB
       Port Number:  11
```

Manage user licenses on all supported platforms

The OpenEdge license you purchase determines how many units are allowed to run your OpenEdge products. You are responsible for making sure users comply with your license agreement. OpenEdge provides reporting capabilities to help you ensure compliance with your license agreement.

The following sections describe:

- How to read the OpenEdge usage log file
- How to produce a report of current licensed user connections

Using the OpenEdge database license file

OpenEdge also creates a separate license file that records license-related information about OpenEdge database users. If the log file does not already exist, the broker creates it and places it in the same directory as the database (`.db`) file. The broker creates the file in the format *`databasename`*`.lic`, where *`databasename`* is the name of the database to which the user connects.

Note: If OpenEdge encounters an error while trying to open or write to the database license file, the error is recorded in the database `.lg` file and no more entries are written to the license (`.lic`) file.

Reading the database license file

Use a text editor to display the license file contents. The contents appear in the following order:

1. Current date
2. Current time
3. Number of licensed users specified by the configuration file
4. Current number of total connections
5. Maximum number of total connections
6. Minimum number of total connections
7. Current number of interactive connections
8. Maximum number of interactive connections for the past hour
9. Minimum number of interactive connections for the past hour
10. Current number of batch connections
11. Maximum number of batch connections for the past hour
12. Minimum number of batch connections for the past hour

For example, the following sample file entry illustrates the log format:

```
4/26/08 9:00 25 18 23 11 17 20 11 1 5 0
```

When OpenEdge writes to the license file, the maximum and minimum values are reset for the next hour.

Maintaining the database license file

The database or system administrator should consider archiving database license files periodically. In one year, a license file accumulates 8,760 entries. These entries occupy about 440,000 bytes of disk space.

Since the license file must be closed before the administrator archives it, the administrator must first shut down the database. At that point, the license file can be either archived immediately or renamed and archived later.

Creating a usage report

To produce a report of database license-related information about current OpenEdge database users, run the `licrpt.p` procedure file. The report generator input data appears:

```
Enter Date Range:      To:        Enter Start Time (hours 0 to 23):
Enter Stop Time (hours 0 to 24):
Enter time division (in hours, or 0 for complete range):
Database Name:
```

This is a sample output from the `licrpt.p` procedure file:

```
                          Database Connection Counts
-------------------------------------------------------------------------------
| Date   Period  LcnUsers MaxTot Excptns MinTot AveTot MaxBat MinBat AvBat
|
|------- ------- -------- ------ ------- ------ ------ ------ ------ -----
|
| 4/11/06 8-17      100     20       0      0    10.      0      0     0.
|
| 4/13/06 8-17      100     20       0     18    19.      0      0     0.
|
| 4/16/06 8-17      100     23       0     17    20.      0      0     0.
|
| 4/20/06 8-17      100     33       0     17    25.      0      0     0.
|
| 4/24/06 8-17      100     32       0     26    29.      0      0     0.
|
| 4/26/06 8-17      100     26       0     17    22.      0      0     0.
```

Remove a license for an installed product

You can remove licenses for installed products. Removing individual licenses allows you to distribute parts of your product installation to another system without uninstalling the entire product.

Removing a license on Windows

To remove a license:

1. Choose **Start** > **Progress** > **License Update**. The installation program starts and the **Welcome** dialog box is displayed.
2. Click **Next**. The **Serial Number and Control Codes** dialog box appears.
3. Select the license to remove from **Product(s) List**, and click **Remove** to remove the license.

Removing a license on UNIX or Linux

To remove a license:

1. Enter the following command in a command window:

```
./path/proupdt
```

Note: *path* refers to the directory (dlc) in which you have installed OpenEdge. You cannot run proupdt if the current directory is either the one in which you have downloaded the software image or the one in which OpenEdge is installed.

2. Press Enter.The **Welcome** dialog box appears.
3. Press Enter.The **Product configuration data** dialog box appears.
4. In the **Product configuration data** dialog box, press CTRL+R to display the **Installed Product List** dialog box. In the **Installed Product List**, Press the UP and DOWN arrows to traverse through the installed products.
5. In the **Installed Product List** dialog box, press ENTER to select the products for which you want to remove the licenses. An asterisk is displayed next to the selected products.
6. Traverse to the end of the **Installed Product List** and select **Remove Selected License (s)**. The **License Removal Confirmation** dialog box appears.
7. In the **License Removal Confirmation** dialog box, type Y to confirm the removal of the selected licenses, or N to terminate the process.

3

Install OpenEdge on Windows

To install OpenEdge on Windows platforms, download the OpenEdge software image from the Progress Software Download Center and launch the interactive installation program. The software download is provided in a zip archive from which you need to extract its contents into an appropriate location on your machine.

Share an OpenEdge installation on a network on page 36 explains how you can use NetSetup to create a network-shared installation. Create a custom installation bundle for Windows machines on page 39 explains how to install a specific set of OpenEdge products uniformly throughout multiple machines on your network.

Note that during installation, you can optionally capture a response file. You can can use the response file to create a silent installation script, which automates the installation of OpenEdge products across a network.

For details, see the following topics:

- Launch the Windows interactive installer
- Select your OpenEdge installation choices
- Complete the installation
- Share an OpenEdge installation on a network
- Create a custom installation bundle for Windows machines
- Install additional products later
- Add components to an existing OpenEdge installation

Launch the Windows interactive installer

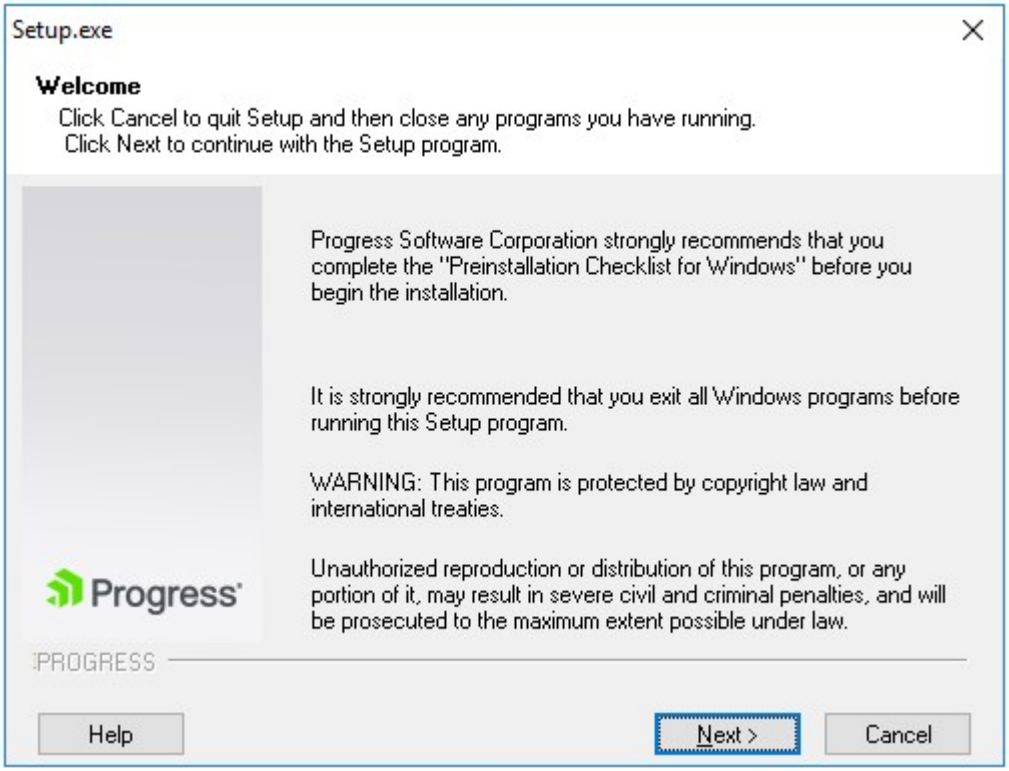
To launch the installer, you must have administrator privileges on the machine where you are installing OpenEdge. For more information, see your Windows documentation.

To initiate the Installation Program to install OpenEdge products, complete the following steps:

1. Close all other applications before beginning the installation process.

   Other applications or tasks might interfere with the installation or use files that OpenEdge needs to complete the installation. Shut down any processes where the executable itself is located in, or a file used by the executable is located in, the directory where you intend to install OpenEdge.

2. Launch the `setup.exe` installation program from the installation medium you plan to use.
3. When the Welcome dialog box appears, and you have verified that all other applications are closed, choose **Next**.



After you launch the Installation Program, you are ready to perform the online tasks required to install OpenEdge.

Refer to the online installation help system that contains a help topic for each installation dialog box. To access the online help while you are running the Installation Program:

- Choose **Help** in any installation dialog box. The help topic associated with the dialog box appears and describes the step-by-step procedure required to complete the dialog box.
- Choose help topics that display in the help system's Table of Contents. Note that the help viewer in which you can read an individual help topic also displays the help system's Table of Contents in the left pane. Use the Table of Contents to navigate through all the online installation-related help topics. To display the Table of Contents, click **Show** on the Navigator bar.

Select your OpenEdge installation choices

After you have launched the OpenEdge installer on a Windows machine, the Installation Program displays a series of dialog boxes for selecting the products and options you want for the OpenEdge products you have licensed..

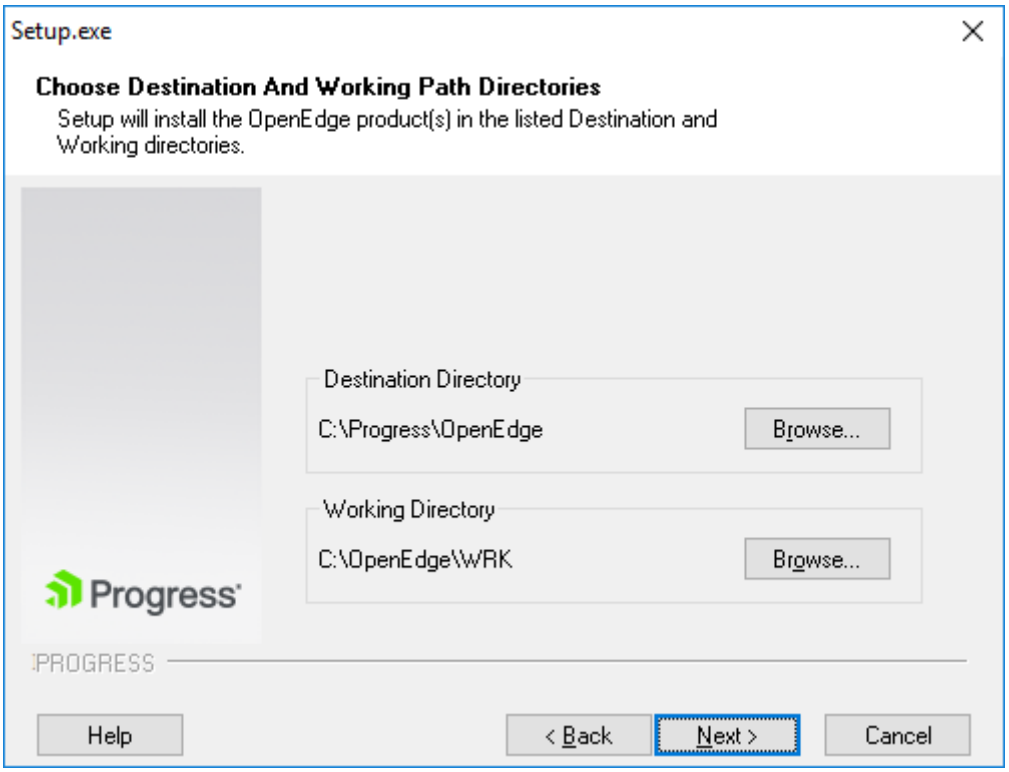
To specify your installation choices, complete the following steps:

1. In the **Serial Number and Control Codes** dialog box, load your License Addendum file, which contains the serial numbers and control codes for the OpenEdge license you purchased. A License Addendum file eases the installation process by reading your serial number and control code information from the file, rather than being manually entered.

   Alternatively, you can enter the serial number and control number for each OpenEdge products that you are licensed to install. These numbers are listed in the License Addendum file. If you use this method, choose **Accept** after each serial number and control number pair you enter.

2. Click **Next** to continue.

   The **Choose Destination and Working Path Directories** dialog box is displayed. For example:



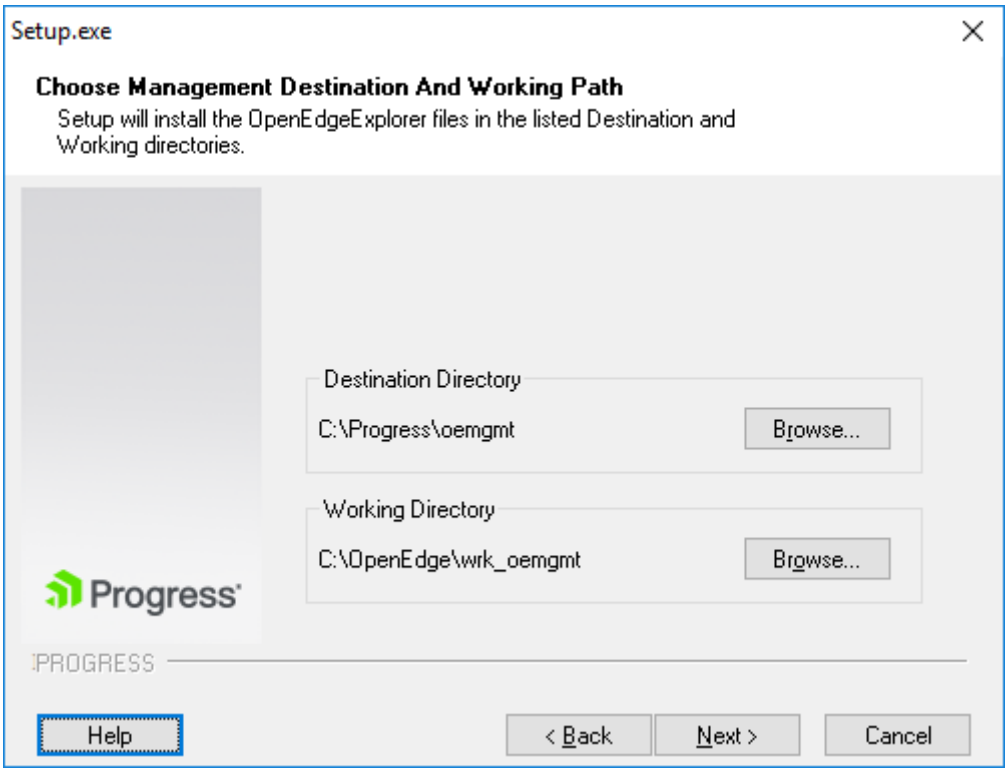
3. Specify the paths for the OpenEdge installation and working directories.

   The **working directory** contains your OpenEdge database and application files, and is the directory from which to run OpenEdge. The working directory must always be separate from the OpenEdge installation directory.

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

4. Click **Next**.

If you have a license for OpenEdge Management, the **Choose Management Destination And Working Path** dialog box is displayed:



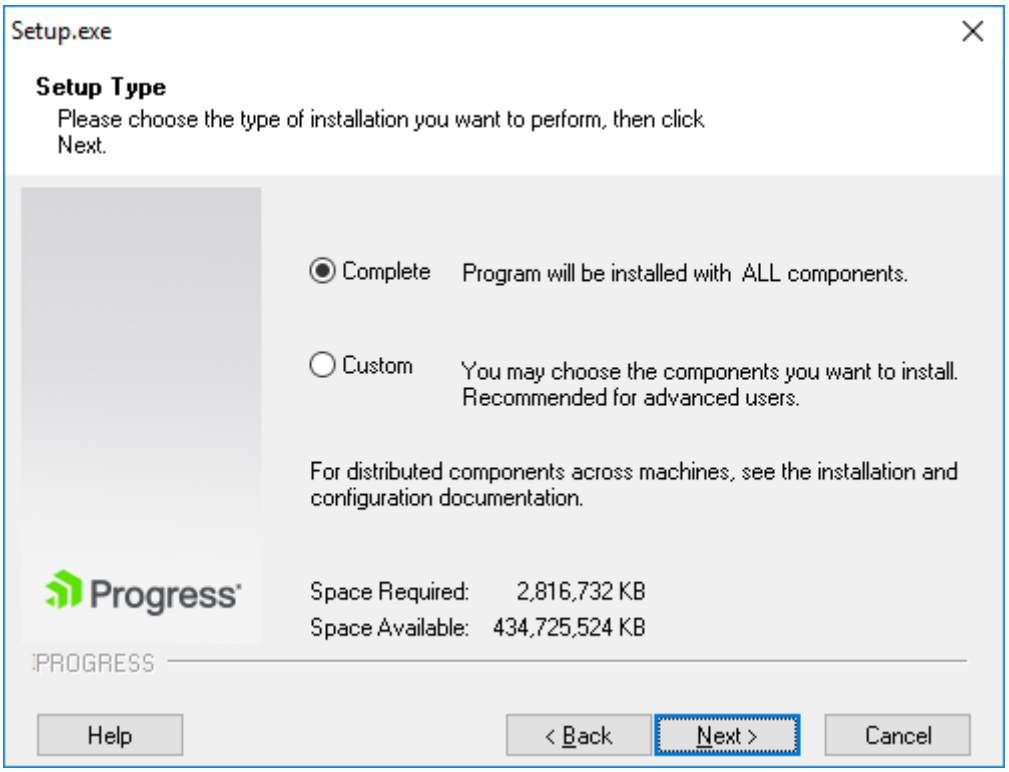
In the **Choose Management Destination And Working Path** dialog box, identify the destination and working directories for OpenEdge Management as follows:

a) Accept the **Destination Directory** path default, `C:\Progress\oemgmt`, or choose **Browse** to select an alternate directory. If you have other versions of Progress or OpenEdge products, do not enter the path name where these products are installed. Choose a different directory. This ensures that you do not overwrite any of your existing product directories and files.

b) Accept the **Working Directory** path default, `C:\OpenEdge\wrk_oemgmt`, or choose **Browse** to select an alternate directory. 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.

5. Click **Next**.

   The **Setup Type** dialog box is displayed.



The following table summarizes the installation setup options:

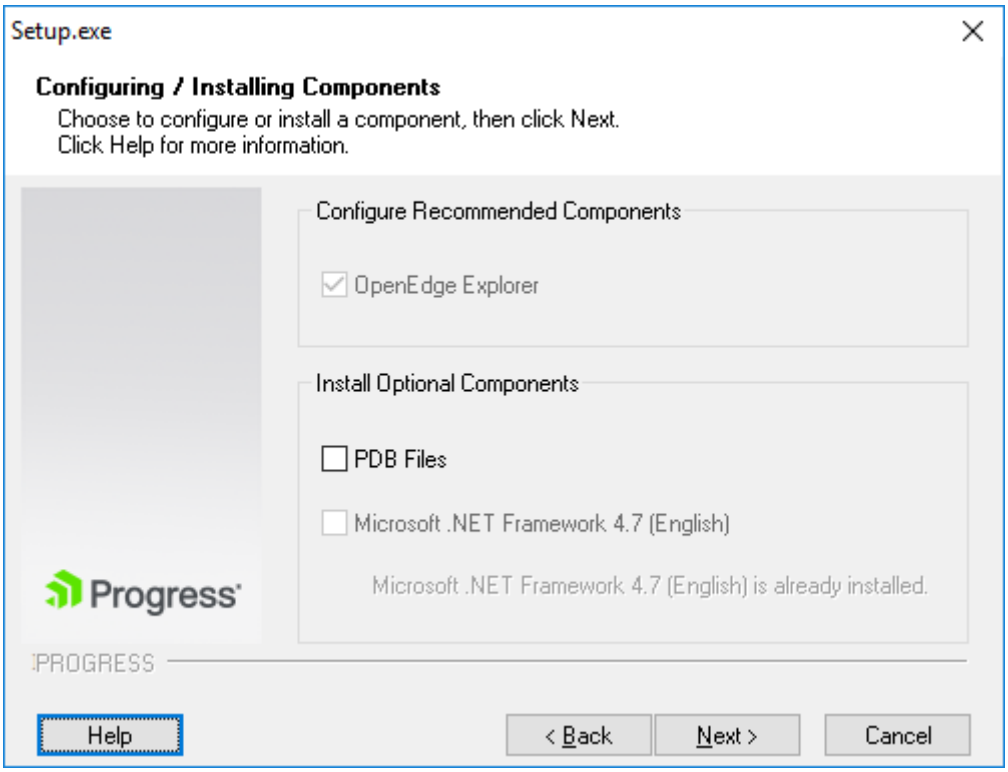
Setup type	Description
Complete	Automatically installs all mandatory, recommended, and optional components and subcomponents of the OpenEdge products you are installing.
Custom	Installs all mandatory product components and subcomponents, but allows you to selectively install the recommended and optional components and subcomponents on a product-by-product basis. This installation is recommended for more advanced users and provides the flexibility to distribute OpenEdge components on different machines, select product components to suit their business needs, and work around issues such as disk space limitations. **Note:** When customizing an installation, Progress recommends that you consider removing only optional components and subcomponents. Removing recommended products might negatively affect a product's functionality.

Note that some OpenEdge products that you install have additional installation dependencies, prompting you to perform additional set up or installation tasks as part of the OpenEdge installation process. The OpenEdge installation program automatically determines certain product dependencies and guides you through the completion of these tasks.

If you are performing a Windows installation, OpenEdge development products require Microsoft .NET Framework installed on the machine on which you are installing OpenEdge. If it is not already installed, you will be prompted to accept the software's installation at the conclusion of installation.

6. After you complete either a complete or custom installation setup, the **Configuring / Installing Components** dialog box is displayed if the Installation Program determines that you are installing a product that includes additional components that you might want to configure or install.

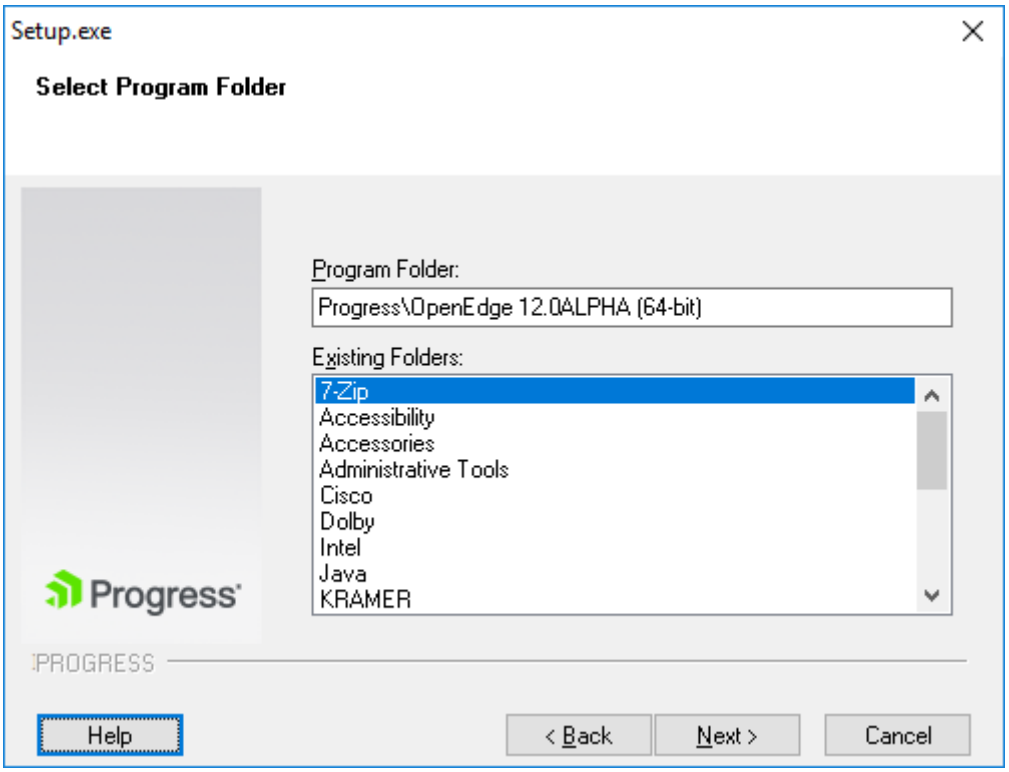
   For example:



   Details about the information required for this dialog box are available from online help.

7. Select any additional components you want to configure or install, then click **Next**.

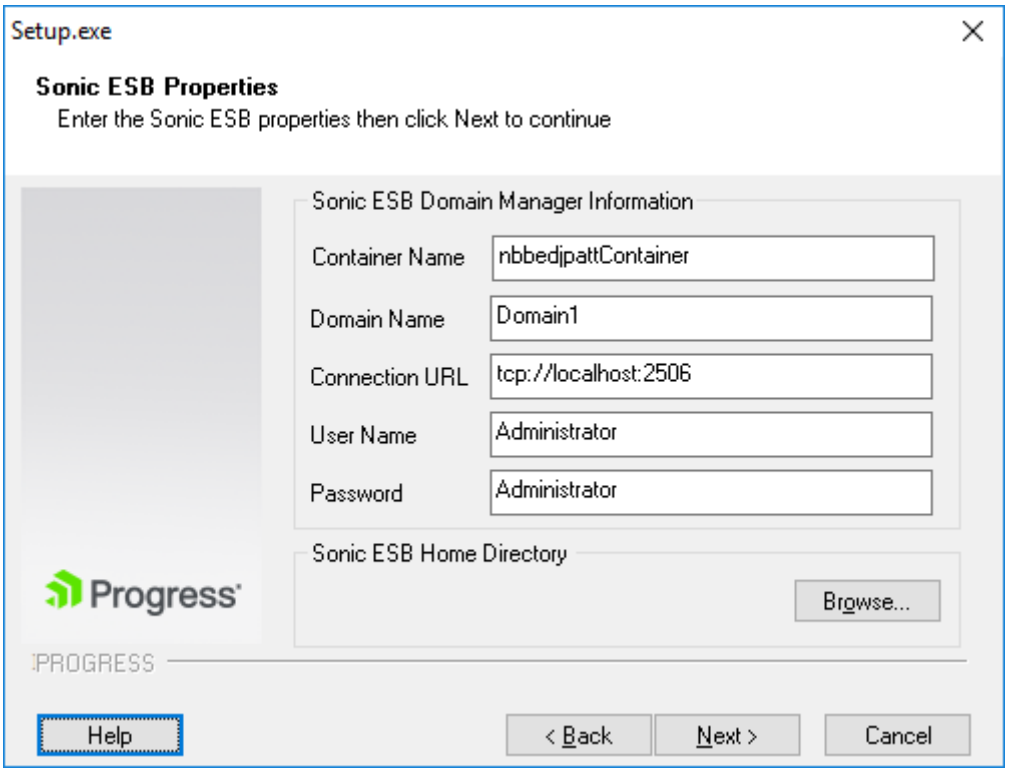
   The **Select Program Folder** dialog box is displayed, which allows you to specify the Windows program folder in which your OpenEdge program icons will appear.



Note: If you have an existing OpenEdge installation, make sure that the program folder name you select does not contain that currently installed OpenEdge product.

8. Select the program folder and click **Next**.

   If you have a license for Sonic ESB, the **Sonic ESB Properties** dialog box is displayed:



To identify the property values for Sonic ESB:

a) Define a container name that is unique to the management broker, or accept the default host name that appears as the container name value.

b) Accept the default value `Domain1` that appears in the **Domain Name** field, or type a new value that is associated with the value you entered for **Container Name**.

c) Accept `tcp://localhost:2506`, the default value that appears in the **Connection URL** field, or enter a new value.

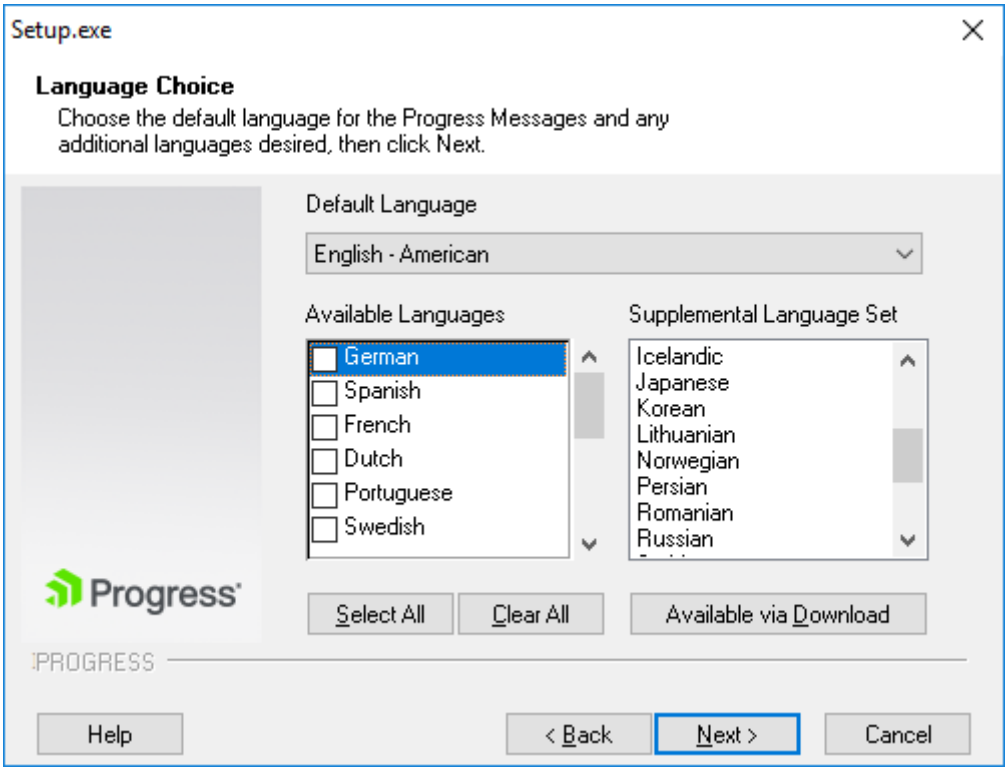
d) Enter the administrator credentials, as appropriate.

e) Specify the directory in which the Sonic ESB configuration files are to be stored.

Details about the information required for this dialog box are available from online help.

9. Click **Next**.

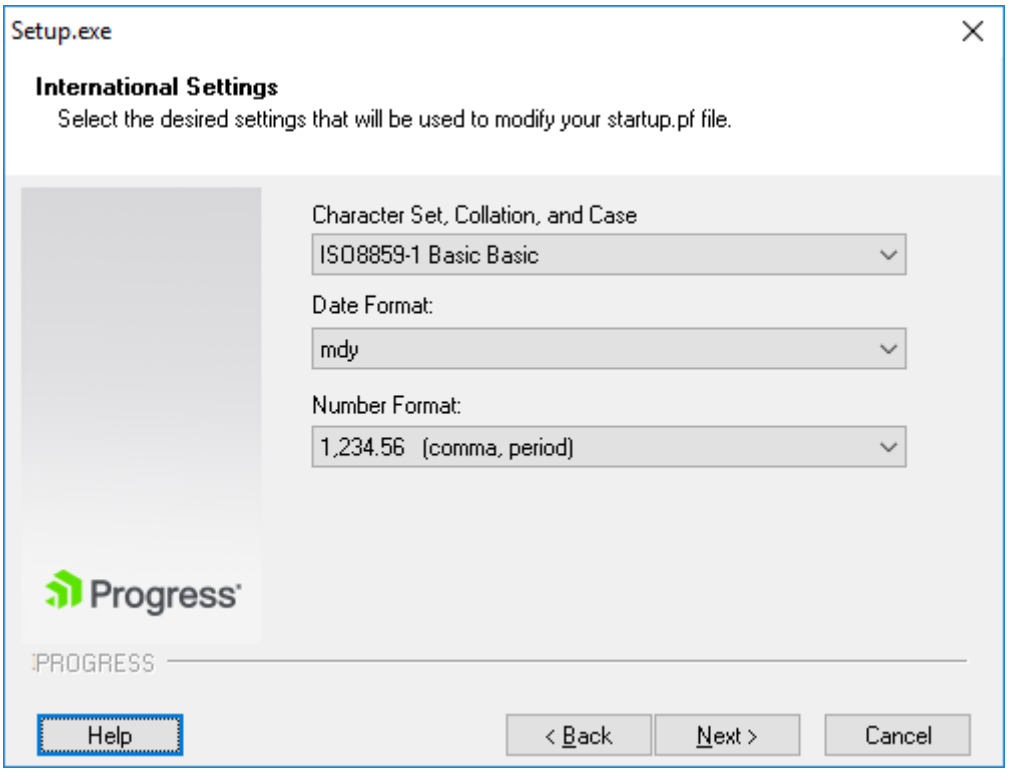
The **Language Choice** dialog box is displayed, which allows you to select the languages to be used for OpenEdge error and informational messages.



The **Supplemental Language Set**, a nonselectable list box, provides an additional list of languages in which messages can be displayed. If you select a supplemental language and choose **Available via Download**, an informational message appears and indicates that you can obtain these supplemental languages from the Progress Download Center to install after you complete the OpenEdge installation. Note that the supplemental languages are supported by OpenEdge, but new messages are not translated and appear in English only.

10. Select your language choice and click **Next**.

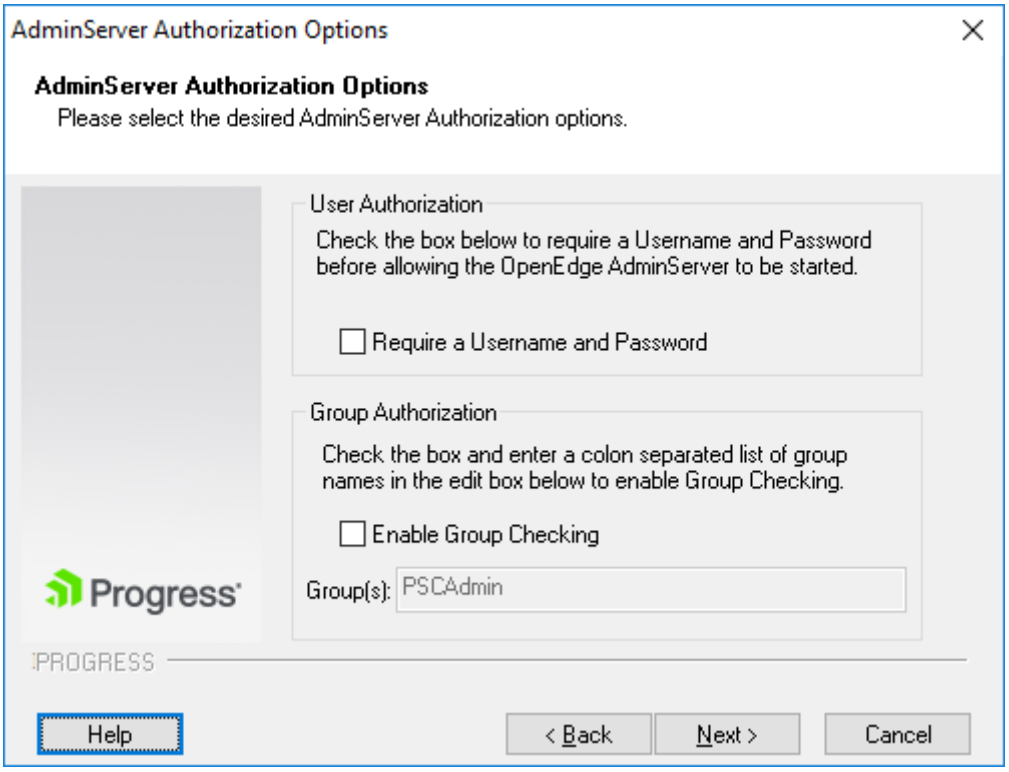
The International Settings dialog box is displayed. Use this dialog box to choose the settings for your character set, date, and number format in OpenEdge software.



Details about the information required for this dialog box are available from online help.

11. Make your language selections and click **Next**.

    The **AdminServer Authorization Options** dialog box is displayed, which allows you to set up user and group authorization of the AdminServer for OpenEdge products.



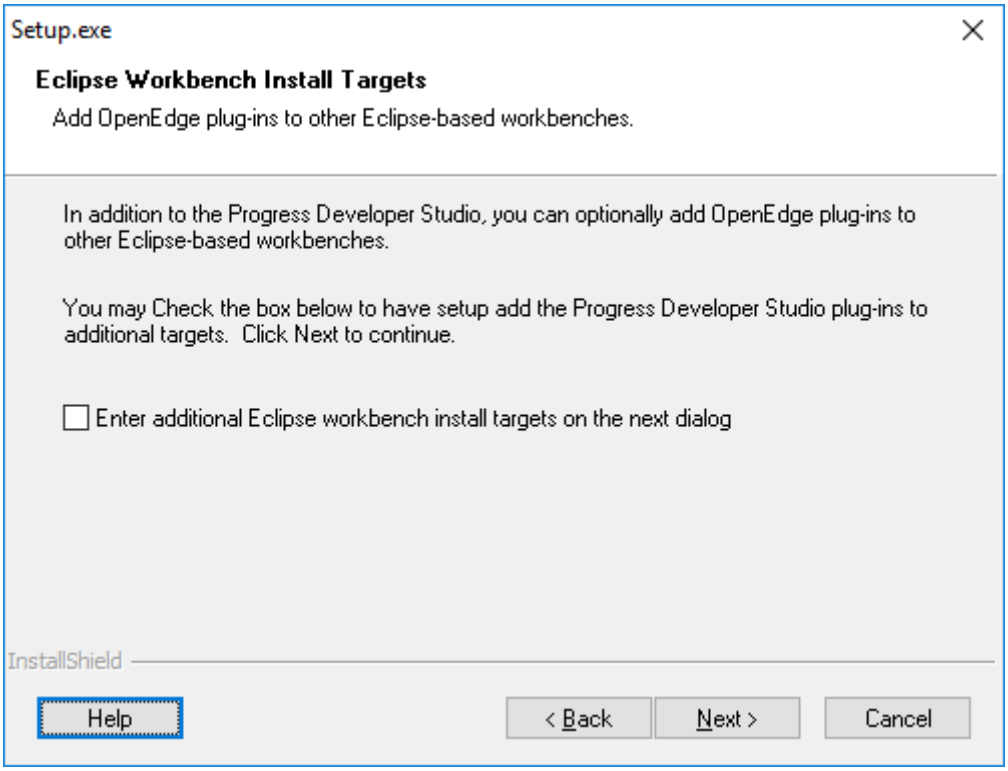
The **User Authorization** and **Group Authorization** options are established independently of each other. You can elect to use one option, both options, or none:

- To set the **User Authorization** option, select **Require a Username and Password**. This option requires each individual user to provide a valid user name and password before the AdminServer can be started. (Specific user name and password information values are established by an administrator at the operating system level. See your operating system documentation for information on how to set up users.)
- To secure AdminServer access so that valid operational privileges, at a group level, are required, select **Enable Group Checking**. This action enables the **Group(s)** field with the **PSCAdmin** default group value displayed and identifies that you intend to set up the **Group Authorization** option.

Details about the information required for this dialog box are available from online help.

12. Click **Next**.

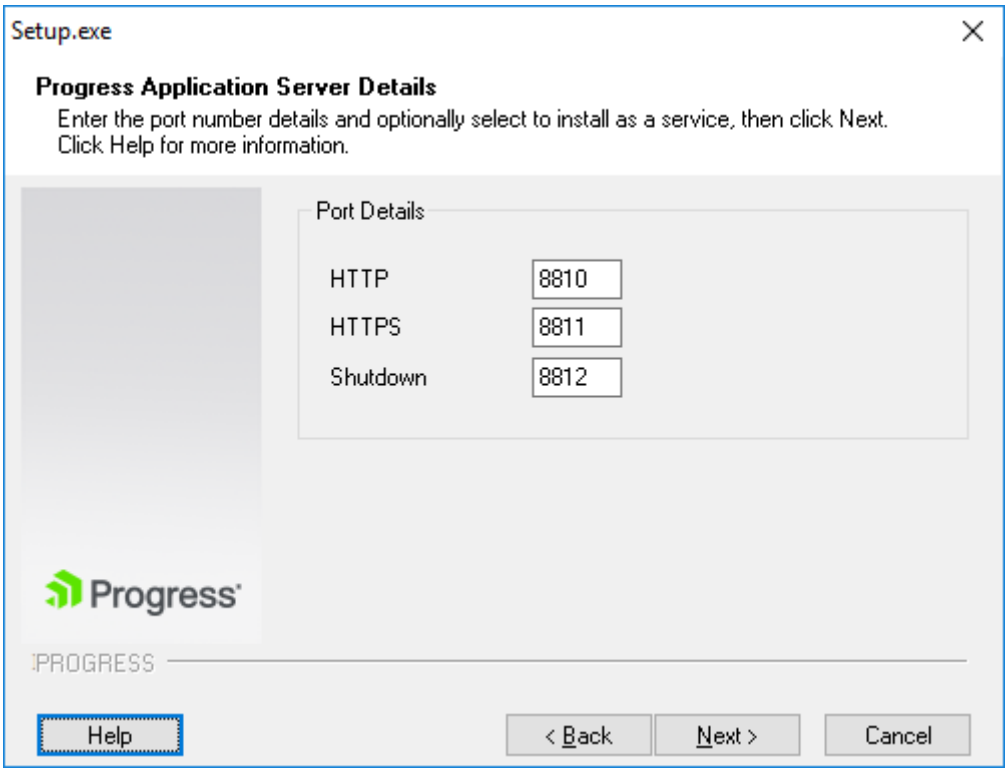
The Eclipse Workbench Install Targets dialog box is displayed.



In addition to installing Progress Developer Studio for OpenEdge in the main OpenEdge installation directory, you can also integrate the Progress Developer Studio for OpenEdge plug-ins into other previously installed Eclipse environments. When you integrate the plug-ins to an additional Eclipse environment, you are able to use Progress Developer Studio for OpenEdge from that environment. Details about the information required for this dialog box is available from online help.

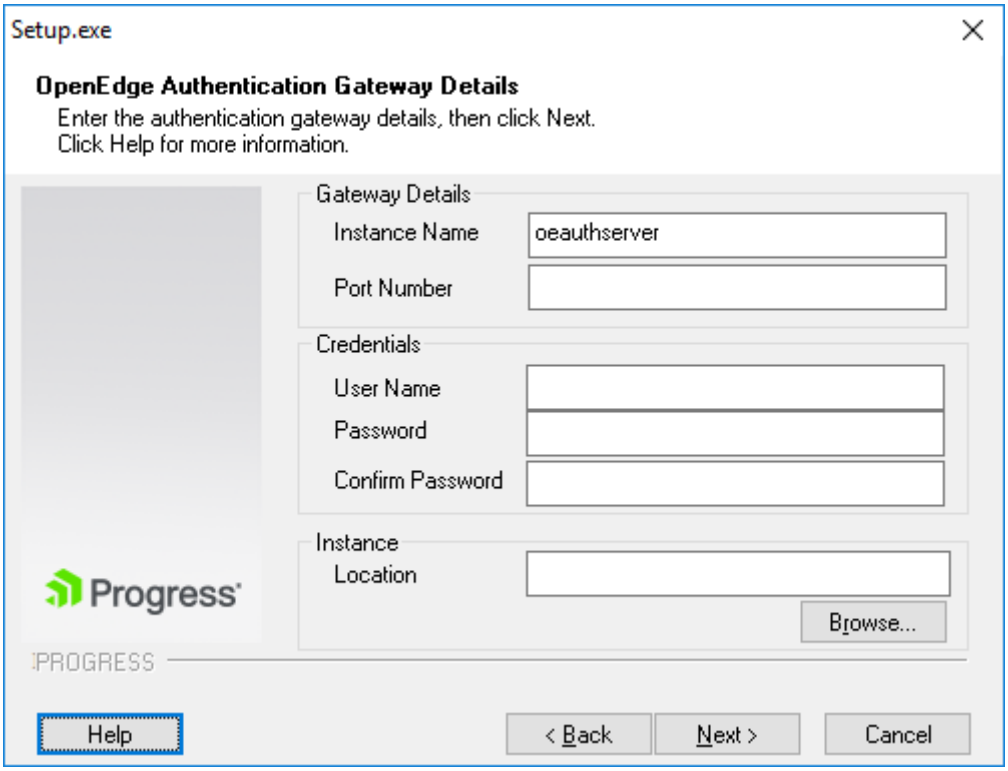
13. Click **Next**.

The **Progress Application Server Details** dialog box is displayed, which allows you to set the port details to be used by the Progress Application Server for OpenEdge. For example:



14. Click **Next**.

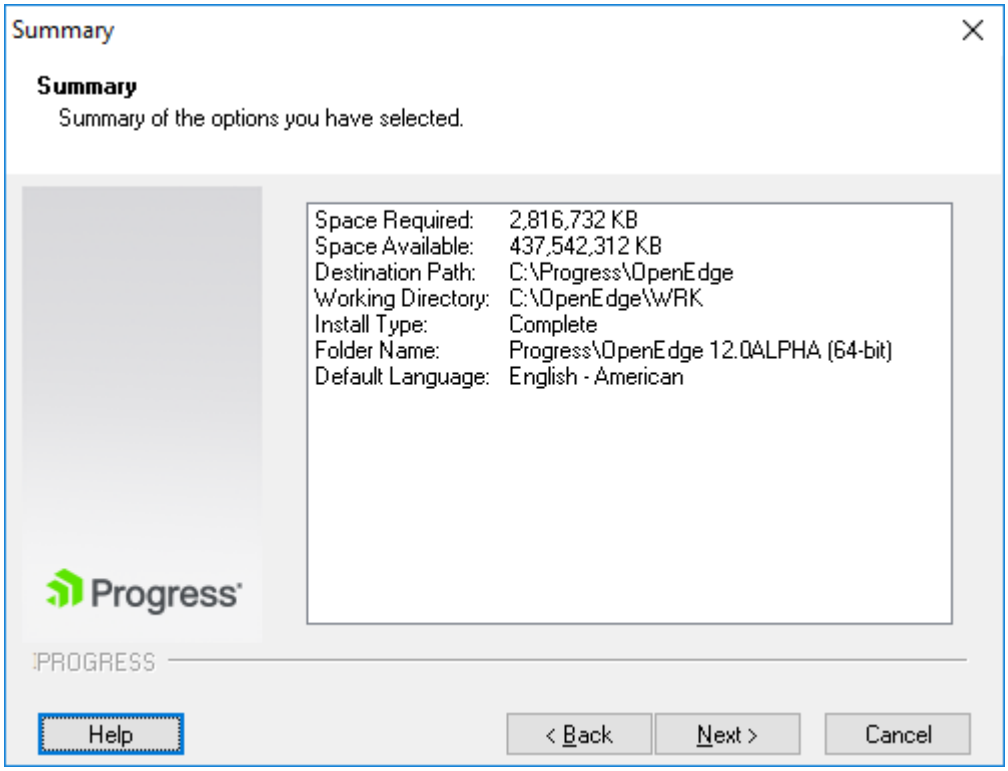
    The **OpenEdge Authentication Gateway Details** dialog box is displayed, which allows you to set the configuration details for the OpenEdge Authentication Gateway to be used with PAS for OpenEdge:



    Details about the information required for this dialog box are available from online help.

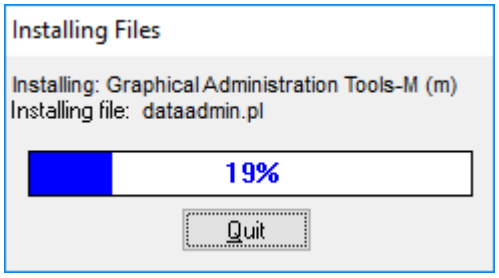
Complete the installation

After you have selected all your OpenEdge product installation choices on a Windows system, a summary of the chosen installation options is displayed, as in the following example:



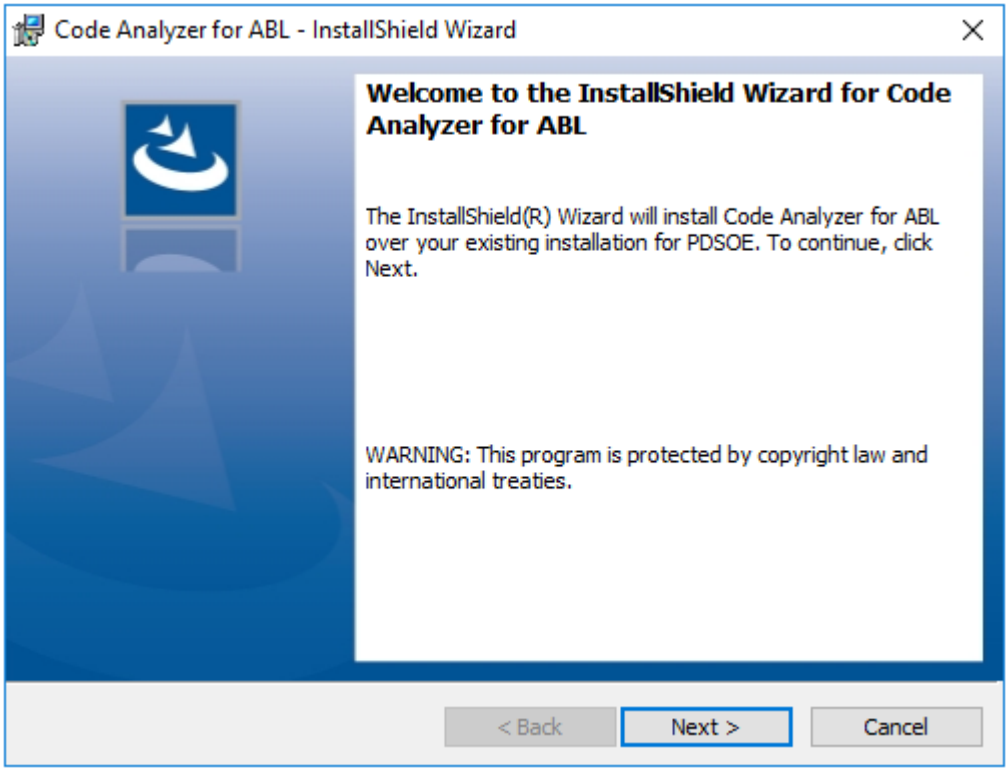
Review the installation options you have chosen, and click **Back** to return to a previous dialog box to make any changes.

If you are satisfied with your choices, click **Next** to start the installation process. A progress dialog box is displayed, as in the following example:



Code Analyzer for ABL

If you install Progress Developer Studio for OpenEdge (Progress Dev Studio OE), the installer for the Code Analyzer for ABL is launched, as in the following example:

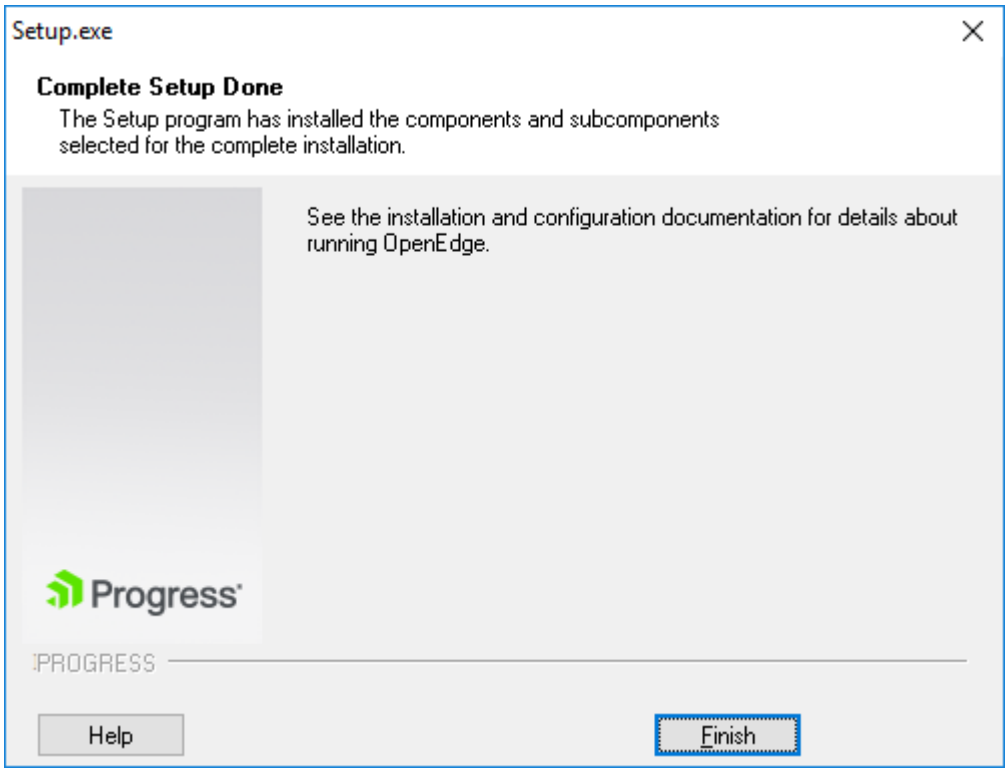


To install the Code Analyzer for ABL, complete the following steps:

1. Click **Next**. The **License Agreement** dialog box is displayed.
2. Select the option to accept the terms of the license agreement, and click **Install**.
3. Click **Finish** to complete the installation.

Complete the installation

When the installation is complete, the **Complete Setup Done** dialog box is displayed, as in the following example:



Click **Finish** to exit the installation process.

Share an OpenEdge installation on a network

The primary tasks to share an OpenEdge installation on a network are:

1. Create an OpenEdge installation on a network server machine, using the OpenEdge Installation Program.

   During the installation process, the Shared Network Installation (NetSetup) Utility—the component that allows each client machine to install the required software to access the network server machine—is installed on the server. In a Complete installation, NetSetup is automatically installed with all OpenEdge products. In a Custom installation, you must select NetSetup as an optional component. NetSetup also supports a silent installation option.

2. Use NetSetup to update each client machine, enabling it to access the network server's installation copy.

   NetSetup ensures that all the system files, icons, and registry entries needed to launch the OpenEdge products locally are set up on each client machine. NetSetup installation consists of one dialog box, the **Destination and Work Paths** dialog box, which you run on the client.

Set up the shared network on the network server

To set up a shared network installation on your network server, complete the following tasks:

1. Uninstall any existing OpenEdge or Progress products that are installed on client machines to which you will be installing OpenEdge.
2. Review the Windows-specific OpenEdge installation topics described in Before You Install on page 7.

3. Determine the destination location of your OpenEdge installation on the network. You will be prompted to enter this information during the network installation, and when you use NetSetup to install the connecting clients.
4. On your network server:
   a. Run the OpenEdge installation.
   b. When the **Choose Destination And Working Path Directories** dialog box appears, make a note of the location you type in the **Destination Directory** field. You will need this directory path information when you install on each client machine.
   c. Complete the OpenEdge installation on the server.

Run NetSetup to set up a client connection

NetSetup updates each client machine with all system files, icons, and registry entries needed to launch OpenEdge locally. Each client can then share the networked copy of OpenEdge.

The client machine in a NetSetup installation uses the OpenEdge installer located on the network server. The installer software enables you to locally launch NetSetup.

Note: Uninstall any existing OpenEdge product that is currently installed on a client machine to which you are installing. For information on uninstalling, see Uninstall OpenEdge in Windows.

To run NetSetup on your client machine, complete the following steps:

1. Choose**Start** > **Run**. The **Run** dialog box appears.
2. In the **Open** field, type one of the following supported connection options to connect the client machine to the shared network server:
   a) To identify a mapped drive connection, enter:

   ```
   drive:\destination path\netsetup\setup.exe
   ```

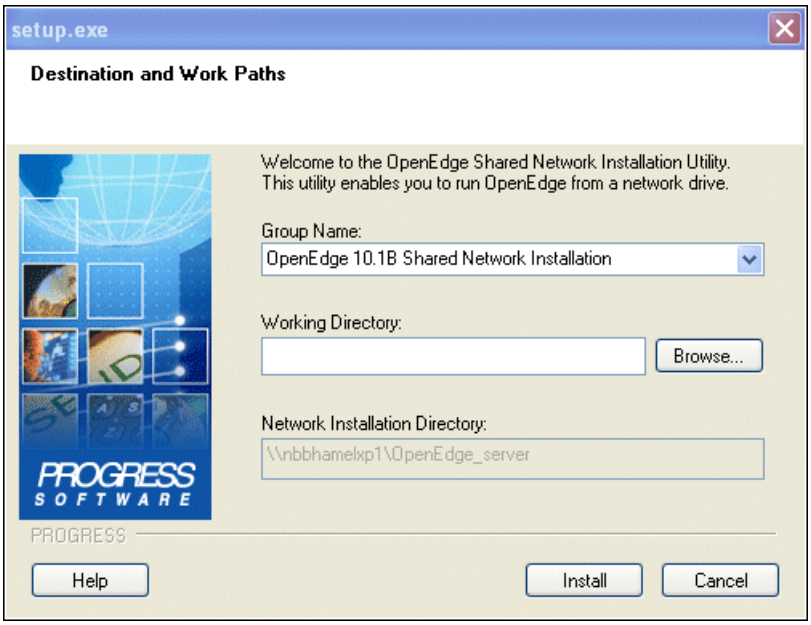
   Note: The argument *destination path* represents the location where OpenEdge is installed on the server machine.

   b) To identify the UNC pathname connection, enter:

   ```
   \\servername\sharename\destination path\netsetup\setup.exe
   ```

   Note: The argument *destination path* represents the location where OpenEdge is installed on the server machine.

3. Choose **OK**. The **Destination and Work Paths** dialog box appears:



4. Accept or change the **program group** name that appears in the **Group Name** field. The **Group Name** value identifies the menu option label that appears on the client machine. When you select this name from **All Programs**, you can access the OpenEdge installation that resides on the network server.

Note: If the group name does not already exist, the NetSetup utility adds the group name to **All Programs**.

---

5. Browse to, or enter, the absolute path of the file to identify as the client-based working directory in the **Working Directory** field. The **Working Directory** is a local folder in which OpenEdge places the files you create on the client.
6. Review the pathname information that appears in the **Network Installation Directory** field. This path name identifies where OpenEdge is installed on the network server.

Note: The **Network Installation Directory** field always appears grayed out, confirming that the information that appears in this field cannot be changed. The path name that appears in this field identifies two pieces of information: where OpenEdge is installed on the network server, and the type of connection that you are using to share the network installation (that is, mapped drive or UNC pathname).

---

7. Choose **Install**. Select the Group Name you defined from **All Programs** to access the OpenEdge installation from the network serve.

Note: If you change the original installation location on the network, and the installation includes additional shortcuts supported by the NetSetup Utility, you must uninstall and reinstall the NetSetup Utility on the client to ensure that the shortcuts are available on the client machine.

Create a custom installation bundle for Windows machines

To install a specific set of OpenEdge products uniformly throughout multiple Windows machines on your network, you can create an **installation bundle**. An installation bundle is a subset of the OpenEdge download image that contains the products for which you are licensed, and provides a convenient means to replicate an installation throughout your environment.

To create a custom installation bundle for Windows machines, complete the following steps:

1. Open a command window.
2. Enter the location of your downloaded OpenEdge media, and specify the `setup.exe -generate_product_bundle` command, as in the following example: .

```
c:\users\abc\openedge\12\cdimage\setup.exe -generate_product_bundle
```

Note: Make sure that this path contains your downloaded OpenEdge cdimage.

The **Welcome** dialog box appears.

3. Click **OK**.

   The **Serial Number and Control Code** dialog box appears.

4. Enter the serial number and control codes for each product that you want to include in the new installation bundle manually or click **Load** to read a license addendum file. The serial number and control codes indicate the OpenEdge products that you want to include in the installation bundle.
5. Click **Next**.

   The **Progress Media Bundle Location** dialog box appears.

6. Click **Browse** and navigate to the directory where you want the installation bundle to be created.
7. Click **Next**.

   The **Summary** dialog box appears.

8. Click **OK**.

   A status message is displayed indicating that the installation bundle is being created. The **Finish** screen appears after the installation bundle is created.

9. Click **OK** to complete the procedure.

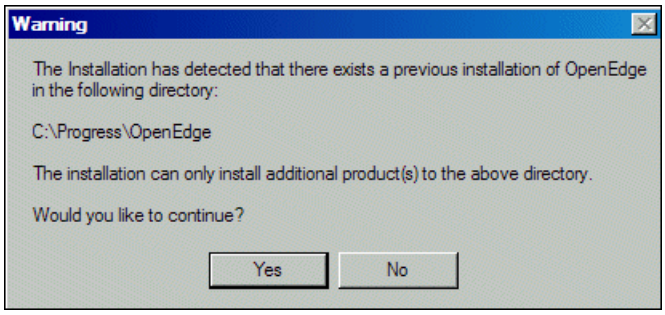
You can now run the OpenEdge installation from the new installation bundle location to install the selected products.

Install additional products later

You can add other OpenEdge products to your current installation by re-launching the installation program either interactively or silently.

Note: You must shut down the AdminServer before you can successfully add additional products to a current installation.

When the installation process detects the existing version of OpenEdge, a **Warning** dialog box appears, notifying you of the existing version's location, as in the following example:



Note: When you add products to an existing installation, you can use the installation program in batch mode regardless of the type of installation (complete or custom) that you are performing.

To continue with the installation, complete the following steps:

1. Choose **Yes** to continue with the installation.

   The **Welcome** dialog box appears.

2. Choose **Next**.

   The **Serial Number and Control Codes** dialog box appears.

3. Enter the serial number and control numbers and choose **Accept** for each additional product you want to add to your current installation.
4. Choose **Next**.

   The **Progress License Agreement** dialog box appears.

5. Review the information and choose **Yes**.

   The **Choose Destination And Working Path Directories** dialog box appears. The install program deactivates (that is, grays out) the **Browse** selector associated with the **Destination Directory** field and adds your OpenEdge products to directories automatically.

6. Accept the default directories and complete the installation.

Add components to an existing OpenEdge installation

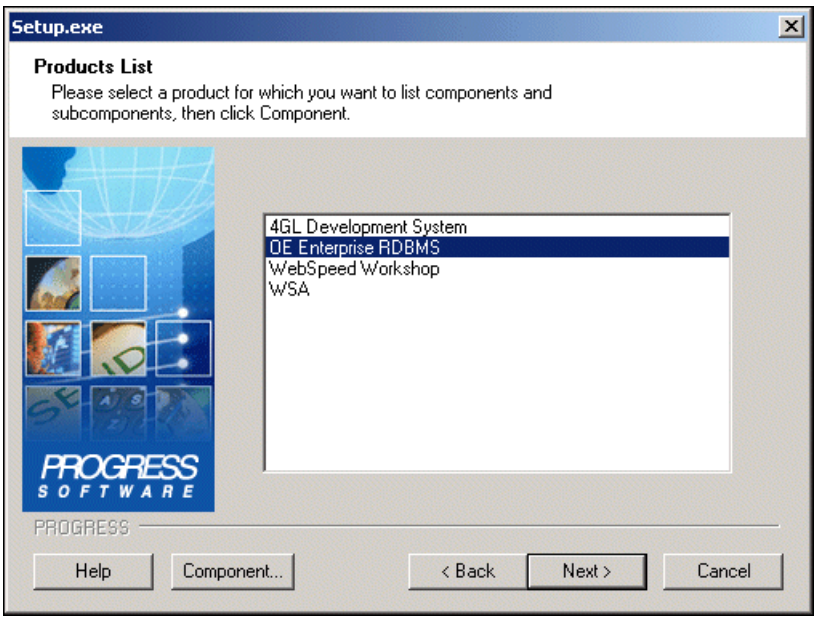
You can add components and subcomponents to an existing OpenEdge installation without entering any data other than the required components or subcomponents.

To add components or subcomponents to a currently installed OpenEdge product, complete the following steps:

1. Make sure that OpenEdge is not running in an open DOS window, and that the current directory is not any OpenEdge-related directory.
2. Stop all OpenEdge processes, including your web server, and close all OpenEdge help files. Use the Task Manager to ensure that you stop all processes and close all help files.

3. Choose **Start** > **Progress** > **OpenEdge** > **Add Components**.

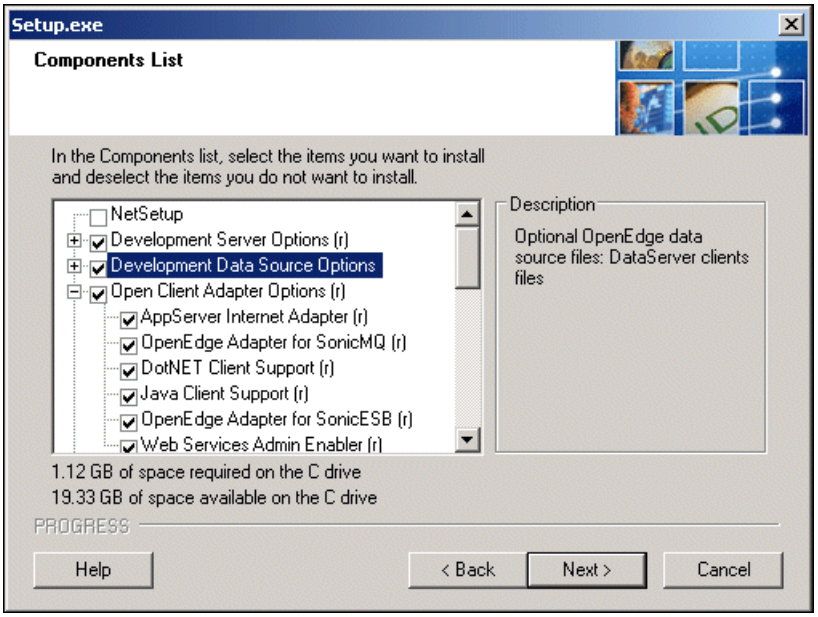
   The **Products List** dialog box is displayed:



   All previously installed products appear on the **Products List**.

4. From the **Products List**, select the product to which you want to add components or subcomponents.
5. Choose **Component** to add components or subcomponents to the already installed product.

   The **Components List** dialog box is displayed:



   Only components and subcomponents that have not been previously installed appear in the **Components List** dialog box.

6. Select the components and subcomponents you want to add.
7. Repeat Step 2 through Step 4, as needed.

8. Choose **Next**.
9. Choose **Finish** to update the existing install.

Note: If a system file in a newly added component or subcomponent is locked or busy during installation, a **Reboot** dialog box is displayed, which prompts you to reboot your system.

4

Install OpenEdge on UNIX or Linux

To install OpenEdge on UNIX or Linux platforms, download the OpenEdge software image from the Progress Software Download Center and launch the interactive installation program. You can optionally use the installation program to do the following:

- Capture a response file during the installation procedure that you can use to create a silent installation script, which automates the installation of OpenEdge products across a network.
- Create a custom installation bundle for UNIX or Linux machines on page 53 to install a specific set of OpenEdge products uniformly throughout multiple machines on your network.
- Install additional products, or product components, to an existing installation at a later time.

For details, see the following topics:

- Launch the UNIX interactive installer
- Select your installation choices
- Complete the installation
- Create a custom installation bundle for UNIX or Linux machines
- Install additional products later
- Add components to an existing OpenEdge installation

Launch the UNIX interactive installer

To initiate the Installation Program to install OpenEdge products on Unix or Linux systems:

1. Close all other applications before beginning the installation process.

   Other applications or tasks might interfere with the installation or they might use files that OpenEdge 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.

2. Log in as `root`. If you do not know the root password for your machine, check with your system administrator.
3. From a browser, access the Progress Software Download Center and navigate to the Electronic Software Distribution (ESD) software image you intend to download.

   An Electronic Software Distribution (ESD) download supports downloading software images from the Progress Download Center available at http://www.progress.com/esd. This web site requires a valid account with Progress for accessing OpenEdge products and updates.

4. Download the software image and save it to your machine.
5. To start the installation, enter the following command:

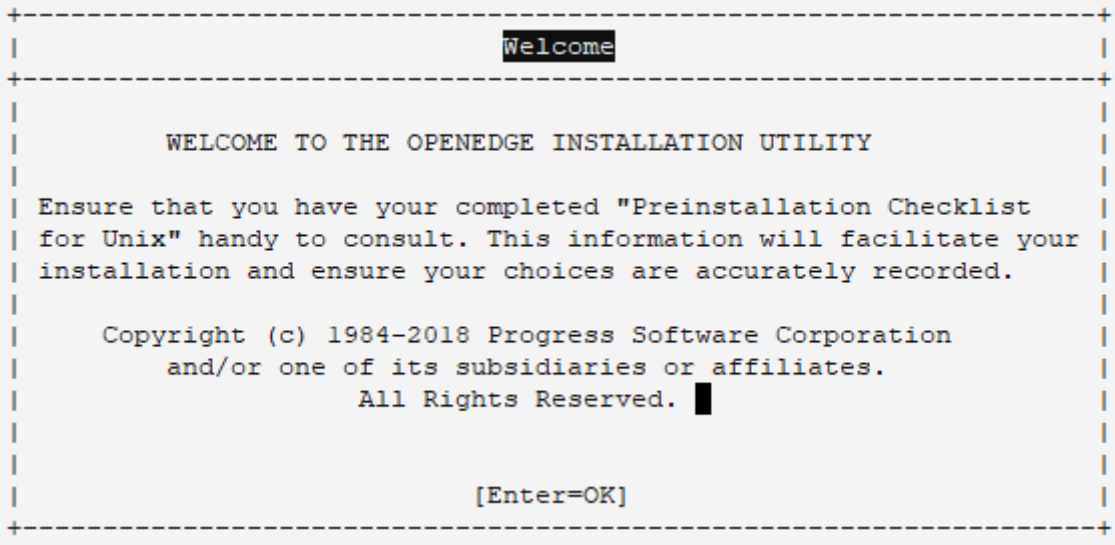
   ./path`/proinst`

Note: In the preceding command, `path` represents the directory that contains the downloaded software image. You cannot run `proinst` from either the directory where you have downloaded the software image, or from the target directory in which you are installing OpenEdge.

If the JVM is ...	Then ...	Next ...
Found on your machine	The **Welcome** dialog box appears.	Proceed with the installation.
Not found on your machine	The Installation Program searches your `$PATH` for it.	If the JVM is then found in the `$PATH`, then the **Welcome** dialog box is displayed.
	The **JVM has not been detected Warning** message is displayed.	The installation continues, but you can install only products that do not require a JVM.
	The **JVM version does not match the version supported by OpenEdge Warning** message is displayed.	You can choose to continue with the installation whether or not you have the supported JVM version on your system. However, Progress recommends that you install the supported JVM to ensure full functionality[1]

6. Enter `OK` when the **Welcome** dialog box appears:

[1] If you are performing a batch installation, you can add an entry to the `.ini file` to allow batch installs to override this warning.



The installation program presents a series of dialog boxes in which you enter data appropriate for the products you are installing and the type of installation (complete or custom) that you choose. Enter your choices in each dialog box and advance to the next dialog box at your own pace. The specific controls you use to advance to the next dialog box or return to a previous dialog box are identified on each dialog box. Select a menu option using the SPACEBAR key, the TAB key, the CURSOR keys, or the accelerator keys that are highlighted in each selection on the dialog box.

In general, you can enter `Quit` to toggle back to a previous dialog box to review or update your choices. Entering `Quit` also allows you to quit the installation at any time before you commit your selections. You are also given the option not to install anything immediately, which allows you to resume the installation process later.

Use the online help to get details about any dialog box. Access the online help according to the method identified on each dialog box. Generally you enter the control-key sequence, or highlight the **Menu** option and press ENTER. Scroll in the help window to view all of the dialog box details. Press ESC-ESC to exit the help topic and return to the installation program.

Select your installation choices

After you have loaded the installation program from your installation medium and the **Welcome** dialog box appears, you are ready to perform the online tasks required to install OpenEdge on UNIX or Linux systems.

To specify your installation choices, complete the following steps:

1. In the **Product Configuration Data** dialog box, enter `Addendum File` to load your License Addendum file, which contains the serial numbers and control codes for the OpenEdge license you purchased. An electronic license addendum file eases the installation process by reading your serial number and control code information from the file, rather than being manually entered.

```
+-----------------------------------------------------------------------+
|                      Product Configuration Data                       |
+-----------------------------------------------------------------------+
|                                                  [Enter=Additional]    |
| Company Name: ____________________________       [Ctrl-E=Done]         |
| Serial Number: _________                         [CTRL-T=Quit]         |
| Control Number: _____  _____  _____              [CTRL-N=Release Notes]|
|                                                  [CTRL-V=View]         |
|                                                  [TAB=Next Field]      |
|                                                  [CTRL-P=Help]         |
|                                                  [CTRL-A=Addendum File]|
|                                                                        |
+-----------------------------------------------------------------------+
```

Alternatively, you can enter the serial number and control number for each OpenEdge product listed in your License Addendum file.

2. When you are finished entering license information, enter `Done` to continue.

   The **Install Type and Destination** dialog box is displayed:

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

```
+-----------------------------------------------------------------------+
|Type: Complete Install                                                 |
|Destination pathname: /usr/dlc                                         |
|Working Dir pathname: /usr/wrk                                         |
|Management pathname: /usr/oemgmt                                       |
|Management Working Dir pathname: /usr/wrk_oemgmt                       |
|                                                                       |
+-----------------------------------------------------------------------+
```

3. Move the cursor among the options that are listed and described in the following table, and change any default values as appropriate by pressing `ENTER`:

For the following option…	Enter the following…
Type of Installation	One the following: • **Complete Install** to automatically install all mandatory, recommended, and optional components and subcomponents of the OpenEdge products you are installing. • **Custom Install** to selectively install the recommended and optional components and subcomponents on a product-by-product basis. Note that this installation is recommended for more advanced users and provides the flexibility to distribute OpenEdge components on different machines, select product components to suit specific business needs, and work around issues such as disk space limitations. **Note:** When customizing an installation, Progress recommends that you consider removing only optional components and subcomponents. Removing recommended products might negatively affect a product's functionality.
Destination pathname	The directory in which the OpenEdge software is installed.
Working Dir pathname	The directory that contains your OpenEdge database and application files. This directory must always be separate from the OpenEdge installation directory.
Management pathname:	The directory in which OpenEdge Management is installed. If you have other versions of Progress or OpenEdge products installed, do not enter the path name where these products reside.
Management Working dir pathname:	The directory in which your applications, databases, and log files will reside. Do not make your OpenEdge Management working directory a subdirectory under the OpenEdge Management installation path.

4. Enter `Continue with Installation`.

   If you install a database product, the installation program by default installs the ABL database server connection needed to support queries written in ABL. However, the installation program prompts you to specify whether you want to select the SQL Server database engine to support queries written in the SQL language, shown in the following dialog box:

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

5. Enter `Continue with Installation`.

   The Sonic ESB Properties dialog box is displayed, which allows you to identify the property values to use for your OpenEdge Adapter to install the configuration files for the OpenEdge Adapter for Sonic ESB:

```
+-------------------------------------------------------------------------+
|                          Sonic ESB Properties                           |
+-------------------------------------------------------------------------+
|   Press the tab key to navigate to the desired entry.                   |
|                                                                         |
| Container Name: centos7164Container                                     |
|    Domain Name: Domain1                                                 |
| Connection URL: tcp://localhost:2506                                    |
|      User Name: Administrator                                           |
|       Password: Administrator                                           |
|  SonicESB Home Directory:                                               |
|                                                                         |
|      [Enter=OK]  [CTRL-N=Cancel]  [CTRL-P=Help]                         |
+-------------------------------------------------------------------------+
```

   To identify the property values for Sonic ESB:

   a. Define a container name that is unique to the management broker, or accept the default host name that appears as the container name value.

   b. Accept the default value `Domain1` that appears in the **Domain Name** field, or type a new value that is associated with the value you entered for **Container Name**.

   c. Accept `tcp://localhost:2506`, the default value that appears in the **Connection URL** field, or enter a new value.

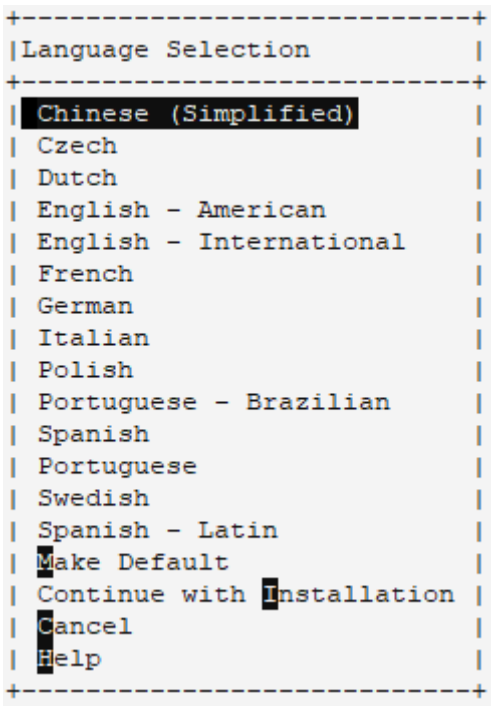
   d. Enter the administrator credentials, as appropriate.

   e. Specify the directory in which the Sonic ESB configuration files are to be stored.

   Details about the information required for this dialog box are available from online help.

6. Enter `Continue with Installation`.

   The Language Selection dialog box is displayed, which allows you to select the languages to be used for OpenEdge error and informational messages.



7. Select your language choice and press `ENTER`, then select `Make Default`. Notice that your language selection is highlighted with an asterisk (*), as in the following example:



8. Enter `Continue with Installation`.

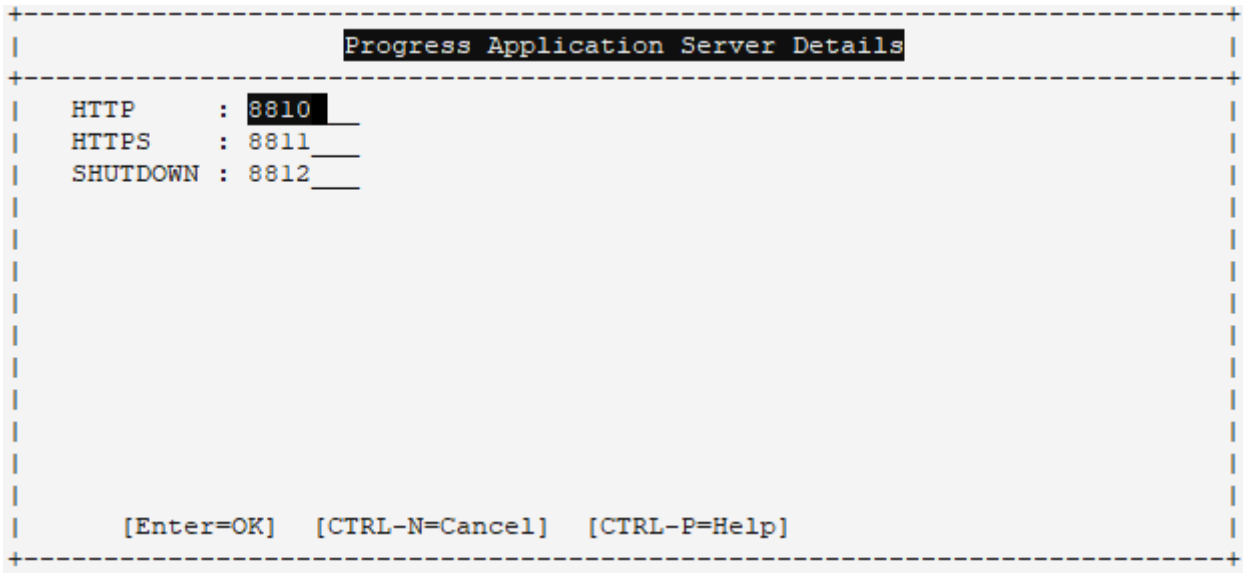
   The International Settings dialog box is displayed, allowing you choose the settings for your character set, date, and number format in OpenEdge software.



Details about the information required for this dialog box are available from online help.

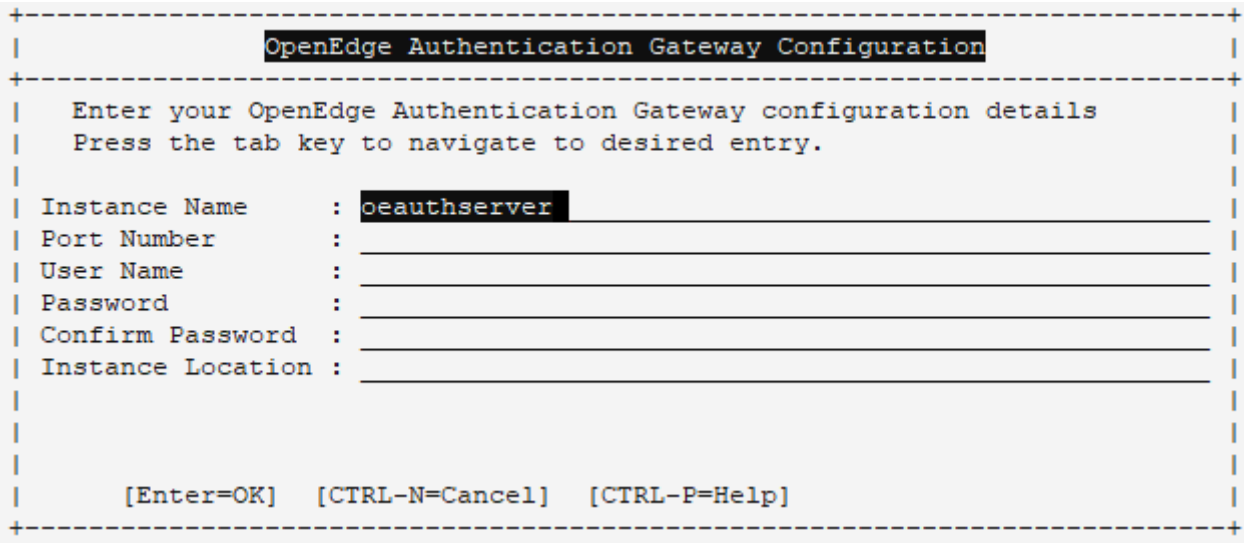
9. Make your international settings choices and enter `Continue with Installation`.

   The Progress Application Server details dialog box is displayed, allowing you to set the port details to be used by Progress Application Server (PAS) for OpenEdge. For example:



10. Specify the port details, then enter `OK`.

    The OpenEdge Authentication Gateway Configuration dialog box is displayed, which allows you to set the configuration details for the OpenEdge Authentication Gateway to be used with PAS for OpenEdge:

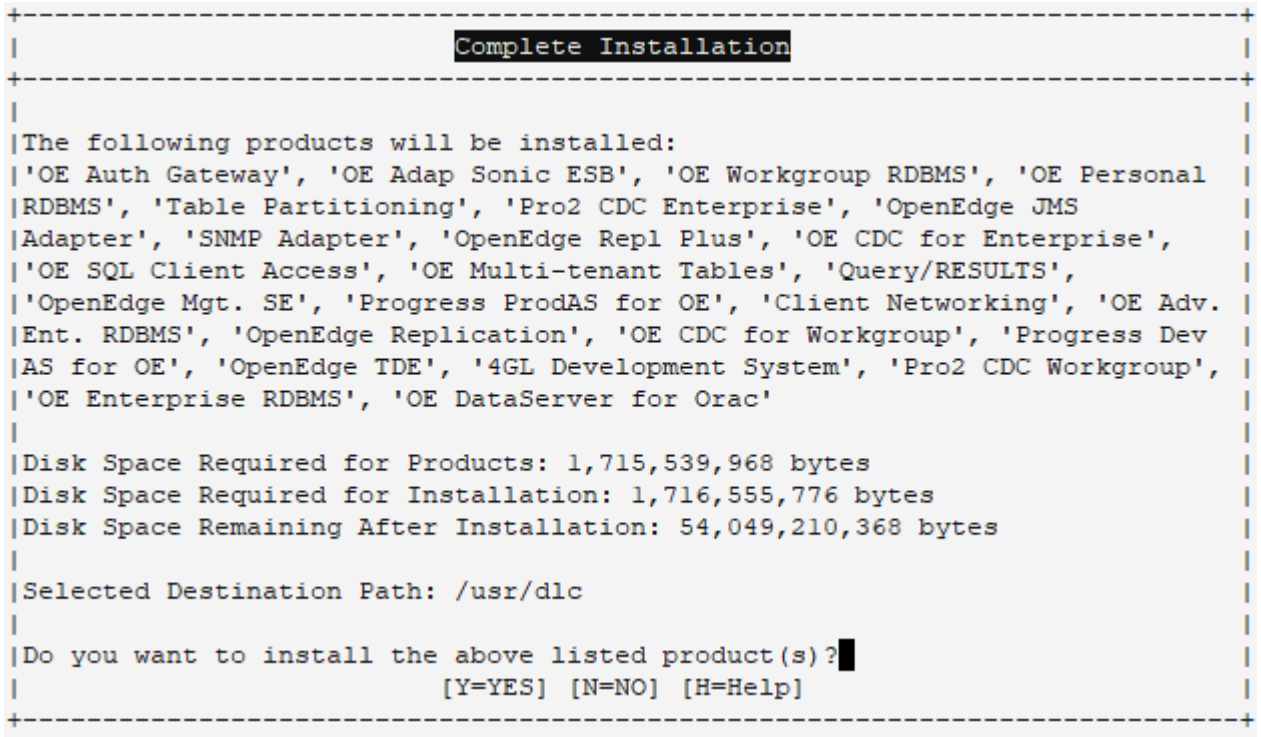


Press `TAB` to navigate among the fields in this dialog box. Details about the information required are available from online help.

11. Enter `OK`.

Complete the installation

After you are satisfied with all your selections, you can review a comprehensive list of your installation choices and commit them to be installed from the **Complete Installation** dialog box. For example:

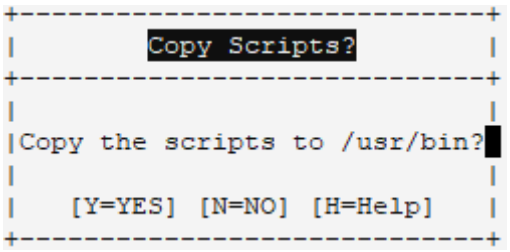


If you want to change your installation choices, enter `N`.

To complete the installation procedure, perform the following steps:

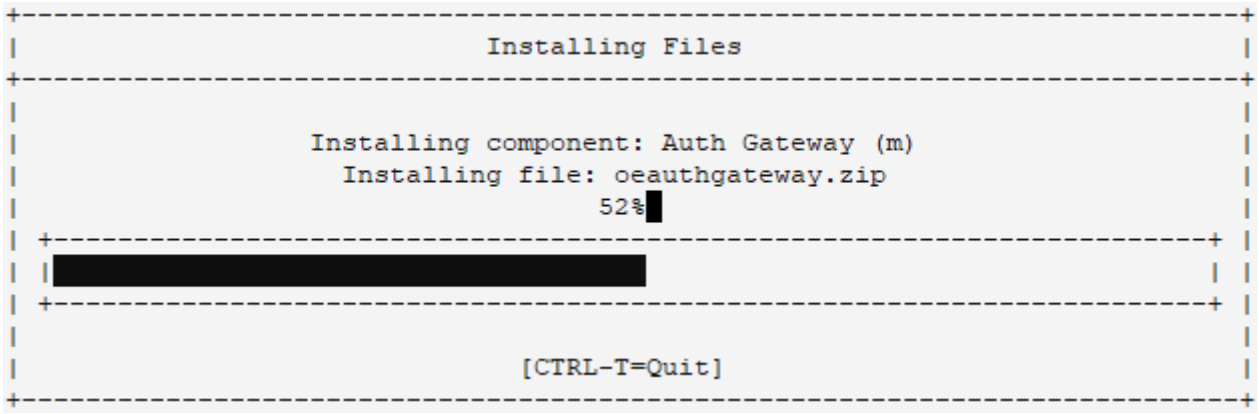
1. Enter `Y` to confirm that you are satisfied with your choices.

   The Copy Scripts dialog box is displayed, prompting you to confirm that you want to copy OpenEdge product scripts and program modules to the default location `/usr/bin`. Copying scripts into this default location allows you to provide your company site's users access to these scripts.



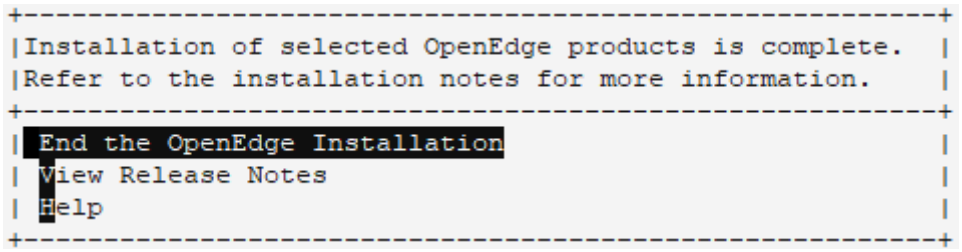
   Note: If you are maintaining two versions of OpenEdge on the same machine, enter `N` to avoid overwriting files.

2. A series of message boxes are displayed showing installation progress, as in the following example:



   You can enter `Quit` at any time to terminate the installation.

3. When the installation is complete, the following message is displayed, giving you the option to view the Release Notes:



Note the following when installing OpenEdge in UNIX or Linux environments:

- If you have installed a SQL product, you must set your environment variables. For more information about setting environment variables to support a SQL product or to customize the variables to suit your own preferences, see Database configuration and administration in *Configure OpenEdge Components with OpenEdge Management*.
- To create customized product executables, see Building OpenEdge Executables in *Manage ABL Applications*. Note that creating executables might be required for certain product configurations.

Create a custom installation bundle for UNIX or Linux machines

To install a specific set of OpenEdge products uniformly throughout multiple machines on your network, you can create an **installation bundle**. An installation bundle is a subset of the OpenEdge download image that contains the products for which you are licensed, and provides a convenient means to replicate an installation throughout your environment.

To create a custom installation bundle for UNIX or Linux machines, complete the following steps:

1. Open a command shell.
2. Enter the `proinst -g` command and specify the OpenEdge media location, as in the following example:

```
/users/abc/openedge/120/cdimage/proinst -g
```

Note: Make sure that this path specifies the `cdimage` directory.

The **Welcome** dialog box appears.

3. Press **Enter**.

   The **Product Configuration Data** dialog box is displayed.

4. Enter the serial number and control codes for each product you want to include in the new installation bundle. The serial number and control codes indicate the products that are to be selected for the installation bundle.
5. Enter **Ctrl+E** when done.

   The **Done Configuration Data Confirmation** dialog box is displayed.

6. Enter **Y** to confirm.

   The **Bundle Location** dialog box is displayed.

7. Specify the directory where you want to create the new installation bundle. The new installation bundle is saved to this location
8. Press **Enter**.

   The **Summary** screen appears.

9. Press **Enter**.

   A status message is displayed indicating that the bundle is being created. The **Finish** screen is displayed after the bundle is created.

10. Press **Enter** to complete the process.

You can now run the OpenEdge installation from the new installation bundle location to install the selected products.

Install additional products later

After OpenEdge is successfully installed, you can later choose to add additional products to your current installation.

To initiate this process, you must re-load your installation media. First complete the steps described in Launch the UNIX interactive installer on page 44, and then complete the steps described in the procedure that follows.

Note: When you add products to an existing installation, you can use the installation program in batch mode as long as you are performing a complete installation of the products you are adding. For more information about a batch installation, see Uninstall OpenEdge on UNIX and Linux on page 69 .

To install additional products when the Welcome dialog box appears, complete the following steps

1. Press `RETURN` to continue. The **Serial & Control Numbers** dialog box appears.
2. Enter only the control numbers for the products you are adding to the list of previously installed products.
3. When you are done, press `CTRL+E`.

   The **Done Configuration Data Confirmation** dialog box is displayed.
4. Press `Y` to continue (or press `N` to add more products).

   If you press `Y`, the **Type Device and Destination** dialog box appears.
5. Choose **Select the Destination Pathname**, and specify the path of the initial installation.
6. Press `RETURN`.

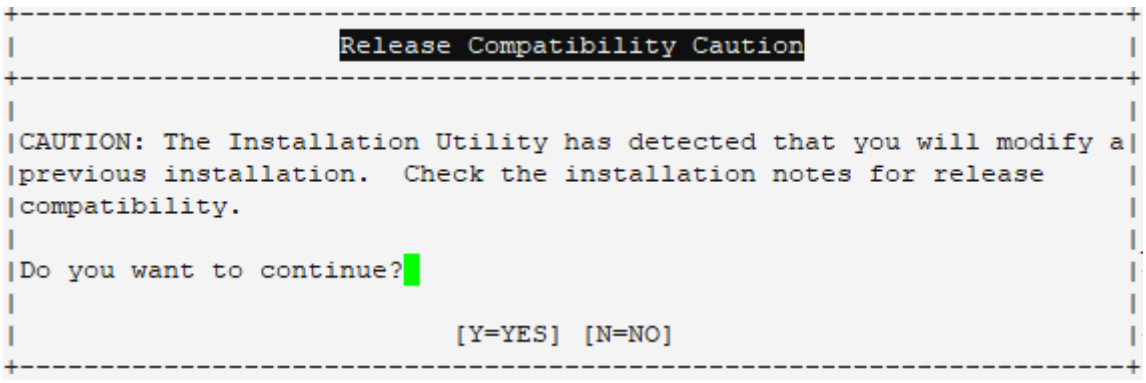
   The **Destination Pathname Exists** dialog box is displayed:

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

7. Choose **Install the OpenEdge products in the pre-existing destination path** and press `RETURN` to continue with the installation.

Note:

If you install products that affect previously installed products, you might see the following caution message:



8. Choose **Yes** to continue with the installation.

The installation program adds your OpenEdge products to your directories automatically.

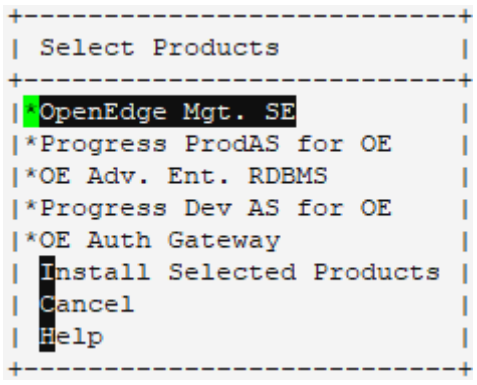
Add components to an existing OpenEdge installation

You can add components and subcomponents to an existing OpenEdge installation without the need to enter any data other than the required components or subcomponents.

To add components or subcomponents, complete the following steps:

1. From a command shell, run the `proaddcomp` script that is located in *`destination-path`* directory.

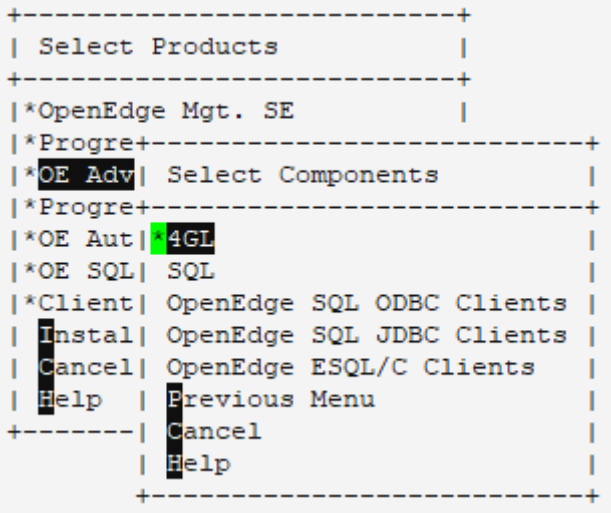
   The **Select Products** dialog box is displayed:



Note: All previously installed products appear on this list. The **Select Products** dialog box allows you to select and deselect OpenEdge products for which you want to add components or subcomponents.

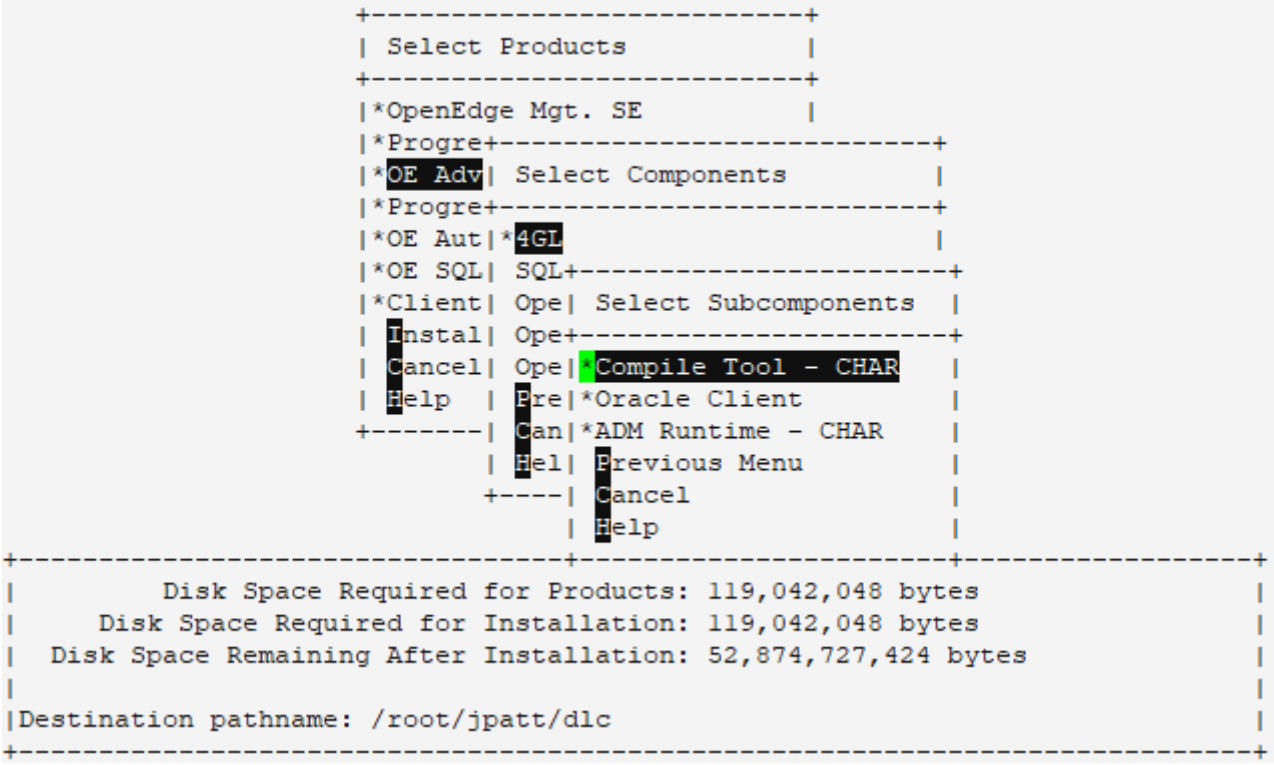
2. Select or deselect a product by highlighting the product and pressing `RETURN`. An asterisk (*) indicates that a product is selected. To select the first product on the list, you must first press `RETURN` to deselect the product and then press `RETURN` again to select it.

   When you select a product, the **Select Components** dialog box is displayed:



Note: The **Select Subcomponents** dialog box lists the subcomponents for the component you selected. The symbol (`r`) indicates that a subcomponent is recommended and will be installed automatically unless you deselect it. Mandatory components are not displayed.

3. If the selected component has subcomponents, the **Select Subcomponents** dialog box appears:



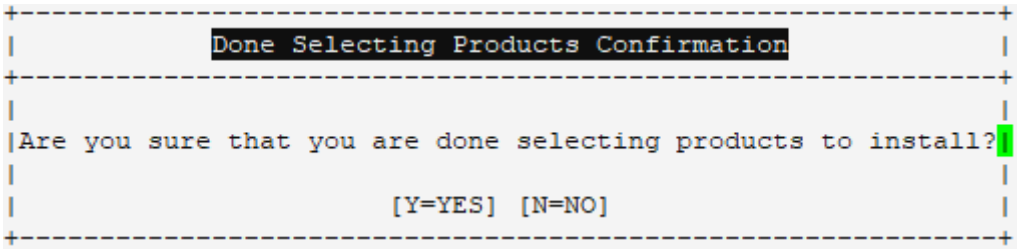
Note: The **Select Components** dialog box lists only those components that have not been previously installed. Select or deselect a component to install by highlighting the component and pressing `RETURN`. An asterisk (*) indicates that a component is selected.

a) Select or deselect a subcomponent by highlighting the component and pressing RETURN. An asterisk (*) indicates that a subcomponent is selected.

b) Choose **Previous Menu** and press RETURN when you have selected all the subcomponents you want to add.

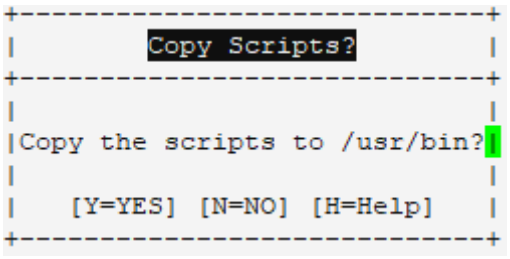
4. Choose **Install Selected Products** from the **Select Products** dialog box and press RETURN.

   The **Done Selecting Products Confirmation** dialog box is displayed:



5. Type Y to continue with the installation, or N to select additional components or subcomponents.

   If you type Y, the **Copy Scripts?** dialog box is displayed:



Note: OpenEdge products consist of several scripts and program modules. When you install a product, the scripts are placed in the installation directory you specify.

6. Choose one of the following:

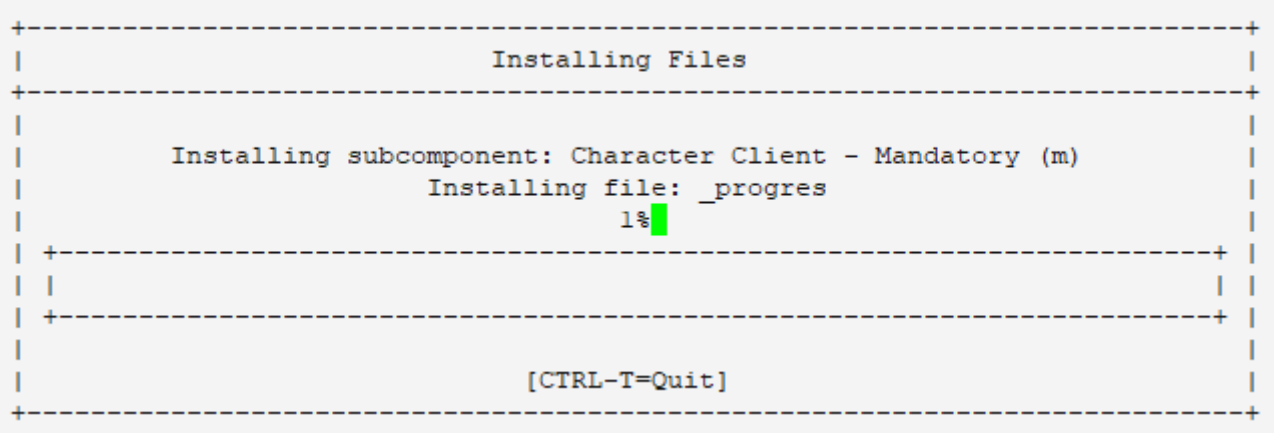
   - To allow all users on your machine to run the product, respond **Yes** when prompted to copy the scripts to the /usr/bin directory. Type Y to have the installation program place OpenEdge scripts in the /usr/bin directory and in the destination directory you specified earlier.

     Caution: Answering Y might cause the OpenEdge installation program to overwrite existing executables in this directory.

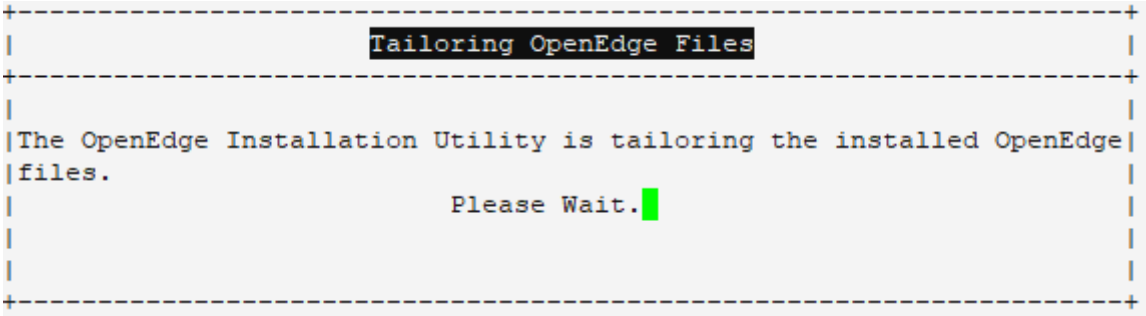
   - Type N to place OpenEdge scripts in the destination directory that you specified earlier.

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

   While OpenEdge decompresses the files, the **Installing Files** dialog box is displayed:



While OpenEdge tailors the files, the **Tailoring OpenEdge Files** dialog box is displayed:



7. Press RETURN. When the installation is complete, OpenEdge displays the UNIX or Linux system prompt.

5

Create a Silent Installation

An interactive installation prompts you for input and records your values in a series of dialog boxes. The installation program immediately uses this data to install your OpenEdge products.

By contrast, a silent installation performs an installation entirely by script, and is a two-step process:

1. When you start an interactive installation, the data that you enter is recorded in a response file. On UNIX and Linux systems, the default name for the response file is `response.ini`, which is created in the `install` subdirectory of your OpenEdge installation directory. On Windows systems, by default, the file name is `oe_response.ini`, which is created in the `C:\Windows` directory.

   Note: You can modify the contents of the response file that is generated by the installation program, and create your own response file from scratch. However, for silent installations, Progress recommends using only the automatically-generated and unmodified response file.

2. The installation data that is captured in a response file becomes available for play back to perform a silent installation through a batch mechanism.

You can create a silent installation as either a complete or a custom installation type.

For details, see the following topics:

- Contents of the response file
- Run the silent installation on Windows platforms
- Run the silent installation on UNIX or Linux platforms

Contents of the response file

The data captured in the response file provides a detailed, reliable record of the installation choices made during an interactive installation.

The response file includes:

- A header identifying the OpenEdge version number and application details.
- Section labels defined by brackets for easy referencing.
- Each dialog box comment section that is identified with the label `DESCRIPTION` and the specific dialog box title.
- Legible descriptions of the fields of each dialog box.
- Only the values captured during the interactive install are stored in the response file. There is no extraneous content.
- Dialog boxes are sequenced in the same order as presented in the online installation.
- A complete list of products installed.

The response file that you create is never overwritten by subsequent silent installations. If you re-run the silent installation to add products to an existing installation, a new file is created with an integer suffix; for example, `response.ini.1`. Additional subsequent silent installations result in the response files named `response.ini.2`, `response.ini.3`, and so forth. All response files are created in your OpenEdge installation directory.

Note:

You can manually add the license addendum file path to the `response.ini` file by adding the `LicenseAddendumFile=` parameter after the `Serial Number And Control Codes Dialog` section. When the silent installation is run, the license gets added automatically.

Modify the data input option

You can edit any response file, whether it is automatically generated or one that you create. Although all sections of the response file are required, you do not need to add each of these required sections in the order presented. The installer retrieves only the specific data it needs, regardless of where the information is located in the response file.

Run the silent installation on Windows platforms

The command you use to initiate, or play back, the response file is the same regardless of which data input option you choose. The OpenEdge silent installer runs without intervention after you enter the command to start the process.

Syntax

```
path-to-install-media\setup.exe -psc_s [-notify]
-psc_f1=path\response-file [-psc_f2=path\logfile]
```

path-to-install-media`setup.exe`

Runs an OpenEdge installation. You can run the installation from the directory that contains the installation executable that you downloaded from the Progress Download Center.

`-psc_s`

Specifies a silent installation.

`-notify`

Specifies that the installation dialog boxes that are displayed are to contain details about the current installation phase and percent complete. (This argument is supported for backward compatibility only.)

Progress recommends that you set up your installation to poll the log file for status of the installation. You can programmatically set up a query, checking the Runtime Status and Result Code values in the log file. See Check the status of the silent installation log file on page 61 to review the contents of a sample `oesetup.log` file that contains Runtime Status and Result Code details.

`-psc_f1=`*`path\response-file`*

Specifies the full path of the response file. By default, the silent installation searches for the response file `oesetup.ini` in the same directory in which `setup.exe` is located.

`-psc_f2=`*`path\logfile`*

Creates an installation log file. If no path or name is specified, the file `oesetup.log` is created in the `Windows` directory by default.

Note: Make sure that no space characters are inserted between a command line argument and its options. Command line entries and options are case sensitive.

Example

The following is an example command that executes a silent installation:

```
\\cd-server\OpenEdge\setup.exe
-psc_s -psc_f1=C:\SilentInstalls\oesetup.ini
    -psc_f2=C:\SilentInstalls\oesetup.log
```

Check the status of the silent installation log file

The silent installation process automatically generates a log file, in which all messages—error and successful installation—are reported.

A log file, `oesetup.log`, is automatically generated for the OpenEdge installation. The data captured in this log contains status information that you can query at run time. The `oesetup.log` file can also be used to debug a silent installation.

An initial `oesetup.log` file is created when you perform a silent installation. If you re-run the silent installation, subsequent `oesetup.log` files are automatically created and saved as `oesetup.log.1`, `oesetup.log.2`, `oesetup.log.3`, and so forth. In all cases, by default the file is created in the `C:\Windows` directory.

An excerpt from an example `oesetup.log` file follows:

oesetup.log

```
OPENEDGE INSTALL UTILITY LOG <VERSION 11.4 ALPHA> (Fri Sep 23 14:36:45 2011)
[Application]
Name=OpenEdge
Version=11.4
Company=PSC

[ResponseResult]
ResultCode=0
ResultDescription=The install completed successfully.

[DetectPreviousInstallSettings]
Information=[09-23-2011 14:36:45] Unable to locate file /etc/progress.

[CompletedEvents]
Event1=[09-23-2011 14:37:53] The Setup Utility is extracting archives

Event2=[09-23-2011 14:39:53] The Setup Utility has extracted archives
Event3=[09-23-2011 14:40:06] The Setup Utility has tailored files.
Event4=[09-23-2011 14:40:09] The Setup Utility has merged delta files.
[RuntimeStatus]
Progress=99

[UpdateUnixRegistry]
File=[09-23-2011 14:39:55] /etc/progress has been created successfully.

[FilesTailored]
File1=[09-23-2011 14:39:55] /usr/dlc/bin/proaiw has been tailored successfully.
File2=[09-23-2011 14:39:55] /usr/dlc/bin/proapw has been tailored successfully.
[DeltaFilesMerged]
File1=[09-23-2011 14:40:08] /usr/dlc/properties/delta/fathom.delta has been merged successfully.
File2=[09-23-2011 14:40:09] /usr/dlc/properties/delta/replication.delta has been merged
successfully.

[TailoringExtensions]
Extension1=[09-23-2011 14:40:13] /usr/dlc/bin/rptlr.dll has been executed successfully.
Extension2=[09-23-2011 14:40:13] /usr/dlc/bin/prodbgtlr.dll has been executed successfully.
Extension3=[09-23-2011 14:40:13] /usr/dlc/bin/Fathomtlr.dll has been executed successfully.
[TailoringClasses]
Start=[09-23-2011 14:40:13]
Finish=[09-23-2011 14:40:44]
INFORMATION=[09-23-2011 14:42:32] The Sonic Domain Manager is not running and the OpenEdge
SonicESB Adapter automatic configuration will not occur.
When the Sonic Domain Manager is available, the OpenEdge SonicESB Adapter should be configured
 by running:
/usr/dlc/sonic/ESB8.0/config/offline.sh.
```

Optional data input activities

The following optional activities are also supported when you are performing a silent installation. Create the response file using the automatic method described in Contents of the response file on page 60. Keep in mind that creating the response file manually or editing the response file is the more time-consuming and potentially error-prone approach.

Create a data input option

You can choose to record a separate response file any time you perform an interactive installation. If you do not specify a file name for the response file that you create, the install provides the filename `oe-response.ini` and stores it in `C:\Windows\oe-response.ini`. The format and structure of any data input option is identical to that which is presented in the automatically-generated `response.ini` file.

The syntax for initiating the user-defined response file is:

Syntax

```
path-to-install-media\setup.exe
-psc_r [-psc_f1=\path\response-file]
```

Note: Do not leave a space between command line entries and options. Command line entries nor options are case sensitive.

path-to-install-media \setup.exe

Runs an OpenEdge installation. The *path-to-install-media* argument indicates that you can run the installation from the installation executable downloaded with your product from the Progress Download Center. The `setup.exe` argument identifies the specific OpenEdge installation executable.

-psc_r

Specifies record mode.

-psc_f1=*path**response-file*

Creates a response file in the directory represented by *path*. By default, the installation searches for the response file named `oe_setup.ini` in the same directory in which the `setup.exe` file is located.

Install the Code Analyzer for ABL

The installation of Code Analyzer for ABL, which is an optional component of Progress Developer Studio for OpenEdge, cannot be included in a silent installation script. If you want to install Code Analyzer for ABL, then you must do it in a separate step after the silent installation is complete.

To install Code Analyzer for ABL, complete the following steps:

1. Open a command window, and change to `install\CABL` subdirectory of the OpenEdge installation directory.
2. Enter the following command, specifying the full path of your OpenEdge installation directory:

```
CABL.exe -v" INSTALLDIR=\"OpenEdge-install-dir\""
```

For example:

```
C:\Progress\OpenEdge\install\CABL> CABL.exe -v" INSTALLDIR=\"C:\Progress\OpenEdge\""
```

Run the silent installation on UNIX or Linux platforms

The command you use to initiate, or play back, the response file is the same regardless of the data input you use. After you enter the command to start a silent installation, the OpenEdge Silent installation program runs without your intervention.

The syntax for running the OpenEdge Silent installation program in batch mode follows:

Syntax

```
proinst -b path/install-ini-name -l path/logfile [-n]
```

`proinst`

Command that initiated an OpenEdge installation.

`-b` *`path/install-ini-name`*

Performs a batch installation, specifying the full path of the `.ini` file to be used for the silent installation. You can use the `response.ini` file, the `install.ini` file, or another `.ini` file that you create.

`-l` *`path/logfile`*

Creates a log file, optionally specifying the full path of the log file in which the installation events are logged. By default, the log file `install.log` is created in the directory identified by the first environment variable that the installer finds among the following: `$TMP`, `$TEMP`, or `$TMPDIR`..

`-n`

Specifies that the batch installation will include a progress meter, displaying details about the current installation phase and completion status.

Example

The following is an example silent installation command:

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

Check the status of the silent installation log file

The silent Installation process automatically generates a log file, in which all messages—error and successful installation—are reported.

The following is an example excerpt from the OpenEdge installation log file:

Sample OpenEdge installation log file

```
OPENEDGE INSTALL UTILITY LOG <VERSION 11.4> (Wed Sep 27 11:30:52 2006)
[Application]
Name=OpenEdge
Version=11.4
Company=progress

[DetectPreviousInstallSettings]
Information=[09-28-2011 15:07:59] Unable to locate file /etc/progress.

[ResponseResult]
ResultCode=0
ResultDescription=The install completed successfully.

[CompletedEvents]
Event1=[09-28-2011 15:10:34] The Setup Utility is extracting archives

Event2=[09-28-2011 15:11:32] The Setup Utility has extracted archives

Event3=[09-28-2011 15:11:35] The Setup Utility has tailored files.

Event4=[09-28-2011 15:11:37] The Setup Utility has merged delta files.
[RuntimeStatus]
Progress=98
.

[UpdateUnixRegistry]
File=[09-28-2011 15:11:34] /etc/progress has been created successfully.

.
.
.
[FilesTailored]
File1=[09-28-2011 15:11:34] /usr/dlc/bin/OE_TC has been tailored successfully.

File2=[09-28-2011 15:11:34] /usr/dlc/bin/proenv has been tailored successfully.
.
.
.
[TailoringExtensions]
Extension1=[09-28-2011 15:11:41] /usr/dlc/bin/rptlr.dll has been executed successfully.

[TailoringClasses]
Start=[09-28-2011 15:11:41]
Finish=[09-28-2011 15:11:55]
```

Optional data input activities

The following optional activities are also supported when you are performing a silent installation on UNIX or Linux platforms. However, keep in mind that creating the response file manually or editing the response file is a more time-consuming and potentially error-prone approach than creating it using the automatically-generated response file method described in Understanding the response.ini file contents.

Create a data input option

You can choose to record a separate response file any time you perform an interactive installation. All your installation choices are automatically recorded in a user-defined response file. If you do not specify a filename, the install creates the file `$TEMP/install.ini`.

The format and structure of any data input option is identical to that which is presented in the automatically-generated `response.ini` file.

Use the following syntax to initiate a response file:

```
proinst -r [<path>\response-file]
```

`proinst`

Initiates an OpenEdge installation.

`-r` *`path/response-file`*

Specifies that the installation is in record mode, and specifies the path and file name for the data input file to be created. If you do not specify a file name, the installation creates the file `install.ini` it in the directory represented by the `$TEMP` environment variable.

Address a detected JVM version

If you receive a warning message at the beginning of your installation stating that the detected JVM version does not match the version supported by OpenEdge, you can add an entry in the `.ini` file to allow batch installs to override this warning. Add the following entry to the `[java]` section of the `.ini` file if you want the installation to continue after detecting a mismatched JVM version:

```
jvmAllowUnSupported=yes
```

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Uninstall OpenEdge

When you uninstall OpenEdge on Windows, UNIX, or Linux platforms, you delete all the files in the OpenEdge installation directory. On Windows platforms, the uninstall program also removes the configuration information from the registry so that no conflicts occur with subsequent OpenEdge installations.

On UNIX and Linux platforms, if you installed OpenEdge Management, then you must stop the OpenEdge Management Trend Database before uninstalling.

For details, see the following topics:

- Uninstall OpenEdge on Windows
- Uninstall OpenEdge on UNIX and Linux

Uninstall OpenEdge on Windows

When you delete files from the OpenEdge directory tree, you only partially remove an OpenEdge installation. By contrast, the Uninstall utility removes all OpenEdge files as well as the configuration information from the registry. This prevents conflict with subsequent OpenEdge installations.

Running the Uninstall utility removes configuration information from the registry and prevents conflict with subsequent OpenEdge installations.

Caution: When uninstalling, do not delete any of the following Microsoft system files: `asycfilt.dll, comctl32.ocx, ctl3d32.dll, mfc70.dll, mfc71.dll, mfcans32.dll, mscomctl.ocx, msvci70.dll, msvcp71.dll, msvcr.70.dll, msvcr71.dll, oc30.dll, oleaut32.dll,olepro32.dll, pdh.dll, psapi.dll, stdole2.tlb`. 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, choose **No** in response to the prompts at the end of the uninstall process. If you have installed the OpenEdge Ultra Controls for .NET, do not uninstall the Infragistics NetAdvantage with Add/Remove Programs.

To uninstall OpenEdge on Windows machines, complete the following steps

1. Log in under the same domain and user name you used when you installed OpenEdge.
2. Make sure that OpenEdge is not running in an open DOS window, and that the current directory is not any OpenEdge-related directory.
3. Stop all OpenEdge processes, including your web server, and close all OpenEdge help files. Use the Task Manager to ensure that you stop all processes and close all help files.
4. Using the OpenEdge Management, shut down all OpenEdge services, including database servers.
5. If you have installed OpenEdge Management, stop the OpenEdge Management Trend Database.

   You can use OpenEdge Management or the following command:

   ```
   dbman -stop FathomTrendDatabase
   ```

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

   If you receive a warning during the uninstall that `fathom.db` is in use, the OpenEdge Management Trend Database has not been stopped.
6. From the Windows desktop, select **Start** > **Settings** > **Control Panel** > **Administrative** > **Services** > **Tools**.
7. Highlight the **AdminService for OpenEdge** 11.4, and choose **Stop**. Change the startup from **Automatic** to **Manual**, and choose **OK**.

   Note: If these same services will be required for a new installation, be sure to note any configuration settings, agent parameters, and so on.
8. Choose the **Uninstall** icon in the OpenEdge Program Group.
9. Choose **Yes**.
10. Choose **OK** when the deletion process is complete. If the uninstall is successful, you are done.

Note: The OpenEdge uninstall does not remove the Microsoft .NET framework. If OpenEdge installed the Infragistics NetAdvantage product, OpenEdge uninstalls it during the execution of the OpenEdge uninstall. If the Infragistics product was installed independent of OpenEdge, OpenEdge does not uninstall it.

For additional details about uninstalling OpenEdge, see the Progress Information Hub at https://docs.progress.com.

Uninstall OpenEdge on UNIX and Linux

The `uninstall` script consolidates and formalizes the actions required to remove an OpenEdge installation from all supported UNIX or Linux operating systems. The `uninstall` script is located in the `install` subdirectory of *`OpenEdge-install-dir`*.

If you installed OpenEdge Management, stop the OpenEdge Management Trend Database before uninstalling. You can use OpenEdge Management, or the following command:

```
dbman -stop FathomTrendDatabase
```

The AdminServer must be running to stop the OpenEdge Management Trend Database. If you receive a warning during the uninstall that `fathom.db` is in use, the OpenEdge Management Trend Database has not been stopped.

Caution:

If you want to save trending data, be sure to copy the *`OpenEdgeManagement-install-dir`*`/db` before removing OpenEdge Management.

If you want to save all the customized monitoring plan and resource definition information, be sure to copy *`OpenEdgeManagement-install-dir`*`/config/fathom.odb` before removing OpenEdge Management.

The command to uninstall OpenEdge on UNIX and Linux systems has the following syntax:

```
OpenEdge-install-dir/install/uninstall
```

Progress recommends using the `uninstall` script to ensure that the following uninstall processes occur properly:

- Uninstall third-party, embedded products.
- Remove release-specific entries from the `/etc/progress` file and `/etc/ProDbgCK` (Progress Debugger Check) files, and remove the OpenEdge installation directory. In addition, the `uninstall` script creates an `OE`*`version`*`uninst.log` file in the home directory.

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After You Install

After the installation program is finished, complete the following tasks to begin using OpenEdge:

1. Create a database. See Creating and Deleting Databases in *Manage the OpenEdge Database*.
2. Start the database. See Starting Up and Shutting Down in *Manage the OpenEdge Database*.
3. Create a Progress Application Server (PAS) for OpenEdge instance.
   - If you installed Progress **Development** Application Server for OpenEdge, a PAS for OpenEdge instance is already created.
   - If you installed Progress **Production** Application Server for OpenEdge, you must create a PAS for OpenEdge instance. See Creating a PAS for OpenEdge instance in *Manage Progress Application Server for OpenEdge with OpenEdge Management*.
4. Start PAS for OpenEdge. See Starting or stopping a PAS for OpenEdge instance in *Manage Progress Application Server for OpenEdge with OpenEdge Management*.