EDI Install Pro - User Manual

To obtain help from within an INF Maker dialog box, press **F1** when the dialog box is displayed.

- Important information for owners of previous versions

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- Installation procedure
- Creating a text based INF file
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Important information for owners of previous versions

If you own a previous version of EDI Install Pro (1.0 through 1.4), there are some very important additions and changes you should know before proceeding. **Do not attempt to use EDI Install Pro 2.x without reading this information.**

- [Additions to 2.x](#)
- [Changes to 2.x](#)

Not all new features and changes are listed here, so we recommend you read this new manual very carefully.

Due to these additions and changes, it is important that you do not delete your old version of EDI Install Pro until you have recreated a working INF file with version 2.x.

Additions to 2.x

The most important addition to the EDI Install Pro package is INF Maker. It is a powerful utility that allows you to scan your disks and create an INF file in a matter of minutes. There should be no reason for anyone to create an INF file by hand anymore, but you can still do so if you want to.

The following are some of the new features that have been added:

- Automatic support for Pen Windows has been added.

- The packing utilities have been enhanced, as well as new ones added. See the **UTILS** directory for more details. You may distribute any of the unpacking utilites, but not the packing utilities. Note that **UNPACK.EXE** is very large and requires Microsoft's **CTL3D.DLL** library. Due to its size, you might want to distribute **WUNPACK.EXE** or **DUNPACK.EXE**. These utilities are not required to be on the distribution disks for EDI Install Pro to function. They are 100% optional.

- A *Version* field has been added to the *Application* section. EDI Install Pro and INF Maker will only work with files of version 2.0.

- The destination directory dialog has been updated with a directory selection combo box.

- Disk space size and operating overhead specified for individual files.

- Required disk space is automatically calculated at run-time, based on selected files.

- Accurate reporting of percent completed, including for partial installations.

- User is given the option of closing a file that is currently in use, rather than terminate the installation.

- *Tiled* display of a background bitmap.

- Backup option for file version checking. Files are renamed with the extension **.OLD**.

- Component specific creation and modification of *INI Items*.

- Optionally running *Program Manager* if it isn't running.

- The *Program Manager* group creation dialog box now lists all available groups in a combo box.

- Under Windows 3.1, if a *Program Manager* item already exists, it will be replaced instead of a new one being added. This will not work under Windows 3.0 or some third party shells.

- Configurable font for the *ReadMe* window.

- Resizable or fixed *ReadMe* window.

- A log file is now created during the installation. Each file installation, INI item modification, and PM Item creation is logged in **INSTALL.LOG** on the destination directory.

  The log file is appended to, each time the user runs the installer. You or your users can use the log file as a guide for removing the application and restoring the system to its previous state.

Changes to 2.x

The most important change is the fact that the INF file format has changed drastically. In order to create INF Maker, we were forced to drop compatability with previous versions. This is unfortunate, but we believe the advances gained through INF Maker more than make up for it.

We **strongly** recommend that you do not attempt to convert an old INF file. Using INF Maker, you should be able to recreate even the most complex installations in under an hour. Most installations can be completed in minutes.

The second most important change is the new file format of both compressed and split files. You will have to recompress and resplit all your files using the new versions of **PACK.EXE** and **SPLIT.EXE**.

The following are some of the changes that have been made:

- **INSTALL.BIN** is now compressed using the standard Microsoft compression utility **COMPRESS.EXE** which is included with EDI Install Pro. Your installation files are still compressed using **PACK.EXE**.
- The INF file encoding method has changed. The utility **INFCOMP.EXE** has been replaced with INF Maker and **INFENCD.EXE**. **INFENCD.EXE** should only be used to encode ASCII text INF files. Files saved with INF Maker are already encoded.
- The *Free Space* and *Files Total* fields have been removed.
- The *Components*, *Files*, and *INI Files* sections have been drastically changed.
- The *Components* entries no longer specify required amount of disk space.
- The *Windows Files* and *System Files* sections have been replaced by fields in each *Files* entry.
- The *INI Files* and *PM Group* sections have been renamed to *INI Items* and *PM Items*.

Introduction

Welcome to EDI Install Pro for Windows!

This manual will guide you through the process of using and understanding EDI Install Pro, and how it can be of benefit to you.

- What is EDI Install Pro?
- What does EDI Install Pro do?
- How does EDI Install Pro work?

Related topics

- Installation procedure
- Introduction to INF Maker
- Creating a text based INF file

What is EDI Install Pro?

EDI Install Pro is a complete installation utility that you can use "right out of the box". It allows your users to easily copy and set up your application on their system. With today's complex applications it is no longer enough to use a *batch file* to copy your files to their drives. Users demand friendly, easy to use utilities, that provide a simple and precise method of installing applications. This is especially true of Windows, a market so fierce that the first impression can make or break your product.

What does it do?

EDI Install Pro creates the proper directories, copies the files to be installed, creates the *Program Manager* group items, displays **README.TXT** files, and more.

The user is always has control over the installation, but doesn't feel burdened by too much information. EDI Install Pro is easy to use by you and your customers, yet allows both of you great leeway in customization.

How does EDI Install Pro work?

EDI Install Pro reads the file **INSTALL.INF** (refered to as an INF file from now on), which contains the necessary information describing the layout of your files on the distribution disks, as well as a variety of settings and options. To customize your installation process you simply modify the INF file to suit your application.

Unlike some other installers, there are no *scripts* to write nor new *languages* to learn. EDI Install Pro uses a simple utility, INF Maker , to create the INF file for you. INF Maker will scan your disks for files and allow you to enter components, INI file entries, *Program Manager* items, and more. If you prefer, you can create the INF file by hand, using a simple text editor. EDI Install Pro is so complete, and so customizable, that almost anything you need can be easily accomplished.

With EDI Install Pro you won't spend days writing scripts, and your users won't be infuriated trying to set up your product. Trust EDI Install Pro and your installation hassles will disappear.

Installation procedure

EDI Install Pro is extremely easy to use. Your users will be asked a few simple questions and then the installation will begin. They will always have the choice to proceed or cancel the installation, at any point, if they feel uneasy about an operation.

- [User interaction](#)
- [Completing the installation](#)
- [Aborting the installation](#)

Related topics

- [Introduction to INF Maker](#)
- [Creating a text based INF file](#)
- [Modiying resources](#)

User interaction

EDI Install Pro first asks the user for a destination directory, displays the minimum amount of free space required and advises the user if the selected drive doesn't have sufficient space. Optionally, it allows the user to select which components to install.

Throughout the installation EDI Install Pro displays when a file is copied or a *Program Manager* group is created. This allows the user to feel comfortable with the installation process and not worry about what is being done to their system. The only intervention required is when a new disk needs to be inserted. The user will be prompted for the disks and asked to continue the installation. The user has the option of changing the source path each time EDI Install Pro prompts for a new disk.

Completing the installation

If the installation has been properly completed and the INF file specifies a *Program Manager* group, the user is asked whether or not it should be created.

Finally, if a **README.TXT** file was specified, it will be displayed for the user to read. It is a good idea to include last minute, or very important information, that the user must be aware of before using your application.

Aborting the installation

The installation process can be aborted at any time by choosing **EXIT INSTALL** or **CANCEL** from any of the dialog boxes. EDI Install Pro will report that the installation was not completed and that the application should not be used in this condition. The files that have been created will have to be manually deleted. This is done as a precaution, since most users would not like the installer to deleting files from their drive.

Creating a text based INF file

EDI Install Pro uses an INF file, typically named **INSTALL.INF**, to determine what needs to be done. The INF file is actually an encoded version of a file you prepare using either [INF Maker](#) or a plain ASCII editor, such as Windows' *Notepad*.

We strongly recommend you use INF Maker to prepare your INF files, but if you prefer to do it manually, you may do so.

- [INF File information](#)
- [Preparing the INF file](#)
- [Debugging the INF File](#)

Related topics

- [Introduction to INF Maker](#)
- [Sample INF file](#)
- [INF Sections](#)

INF File information

The INF file is parsed very carefully and you must insure that everything is properly specified. Here are a few things to remember:

1. You can use as many spaces as you want *after* the equal sign and they will simply be ignored by EDI Install Pro.

2. If you use extra spaces *before* the equal sign, EDI Install Pro will interpret them and won't properly recognize or mis-name the entries.

3. Any line that starts with a semi-colon is treated as a remark and is ignored by EDI Install Pro. Use it to document your INF file (**Note:** Comments are stripped out by INF Maker and **INFENCD.EXE**).

4. If you don't use *Notepad* to create your INF file, you should make sure that your editor **does not** use a CTRL-Z character to terminate the file. EDI Install Pro will read beyond the CTRL-Z and report an error. To make sure you don't have any CTRL-Z characters at the end of your INF file, load it into *Notepad* and remove any little black squares at the end of the file. The black squares generally look like this: □.

Preparing the INF file

If the file is created with an editor, it is typically named **INSTALL.TXT**. To encode the text file, you use the **INFENCD.EXE** utility, which can be found in the **UTILS** directory. You must only distribute the **INSTALL.INF** file, not the **INSTALL.TXT** file. For example, a typical editing session would consist of:

1. Using *Notepad* to create the INF file.

2. Saving the file as **INSTALL.TXT** to a working directory.

3. Using **INFENCD.EXE** to compress the file to the installation disk. It will automatically be named **INSTALL.INF**.

NOTE: The unregisted version does not include **INFENCD.EXE**. It expects **INSTALL.INF** to be a plain ASCII file. You should create your **INSTALL.TXT** file and then copy it to the installation disk as **INSTALL.INF**. Once you register, you will receive **INFENCD.EXE**. Better yet, use INF Maker and avoid the hassles.

Debugging the INF File

You must remember that the INF file is like a program's source code. It needs to be tested and debugged under various conditions. We have used and tested the installation program thoroughly, and so far, to the best of our knowledge, there are no major bugs. Still, this only means that the installation program itself is safe, the INF file that you write can still contain bugs. Check that you have properly labeled the disks, that all files have the correct directories and disks, and you have checked that all compressed files are properly marked. If the user attempts to run a compressed file they will be angry when it doesn't work!

Distribution

Below are the general guidelines and rules for distributing your application.

- Placing files on disk
- Required distribution files
- Minimal Readme file

Related topics

- INF Maker guidelines
- File compression
- File splitting
- Sample INF file
- INF Sections

Placing files on disk

Files on the distribution disks should be placed in such a way as to minimize disk swapping. Note that an INF file for low density disks will not be the same as one for high density disks. Since the high density disks can hold more files, you won't need as many disks. Keep this in mind when planning the INF file.

Required distribution files

When you have completed the INF file and you have created your distribution disks, you will need to copy **INSTALL.EXE**, **INSTALL.BIN**, **INSTALL.INF**, and optionally **UNPACK.EXE**, **WUNPACK.EXE**, or **DUNPACK.EXE**, to the first disk in your package.

Note that **UNPACK.EXE** is very large and requires Microsoft's **CTL3D.DLL** library to function. It might be more appropriate to distribute **WUNPACK.EXE** or **DUNPACK.EXE** instead. These utilities are not required to be on the distribution disks for EDI Install Pro to function. They are 100% optional.

The first disk should be clearly identified so the user can locate it easily. You might also consider writing a message similar to this, on the label:

INSERT DISK AND RUN **INSTALL** FROM WINDOWS.

NOTE: You may not distribute **PACK.EXE**, **WPACK.EXE**, **DPACK.EXE**, **INFENCD.EXE**, **INFMAKER.EXE** or your **INSTALL.TXT** with your package. Only the files listed above may be distributed. Including other files is a violation of the license agreement.

Minimal Readme file

We suggest you add a **README.TXT** file to your disk and include something like the following passage, to let customers know about the compressed files:

```
The executable and library files in this package are compressed.
If you don't use the installation program or you need to copy
one of the original files onto your hard disk, use the
UNPACK.EXE file located in the WinCLI Pro directory or on the
diskette.
```

Introduction to INF Maker

INF Maker is a utility that simplifies the creation of INF files for EDI Install Pro.

EDI Install Pro reads the file INF file which contains the necessary information describing the layout of your files on the distribution disks, as well as a variety of settings and options. To customize your installation process you simply modify the INF file to suit your application.

Unlike some other installers, there are no *scripts* to write nor new *languages* to learn. INF Maker takes care of all the details for you. INF Maker will scan your disks for files and allow you to enter components, INI file entries, *Program Manager* items, and more. If you prefer, you can create the INF file by hand, using a simple text editor.

Related topics

- Introduction (EDI Install Pro)
- Using INF Maker
- INF Maker dialogs
- INF Maker guidelines

Using INF Maker

INF Maker is very easy to use. All you have to do is fill in the required fields and scan the disks. INF Maker handles all the details for you.

To quickly create an installation script for your application follow these steps:

1. Layout all the files that belong to your application on the disks. Place them in the correct directory structure you want them to have on the user's system.
2. Copy **INSTALL.EXE** and **INSTALL.BIN** to the first diskette.
3. Start INF Maker.
4. Fill in the *Application* group fields with information pertaining to your application.
5. Select *Dithered* from the *Background* group.
6. Choose the *Scan Disks* button.
7. Choose *OK* in the *Scan Disks* dialog.
8. Enter a name for the first disk (ex: *Installation Disk 1*).
9. Type *A:* or *B:* as the path for where your files can be found.
10. Choose *Scan* to begin scanning your files.
11. Repeat steps 8 through 10 for each disk your application requires. Once you have scanned all the disks, choose *Done*.
12. You may now save the INF file to your diskette, and run the installation.

You may expand the installation by adding components, modifying the file settings, adding .ini file entries, and creating *Program Manager items*.

Related topics

- Introduction to INF Maker
- INF Maker dialogs
- INF Maker guidelines

INF Maker dialogs

INF Maker uses a series of dialogs to obtain information on the installation. Except for the *Scan Disks* dialog, they all use a similiar format.

Dialog	Description
Application	Main INF Maker dialog. It allows you to enter basic information about your application and the installation.
Disk Labels	Allows you to change the disk labels for the installation.
Components	Allows you to create and modify components (sets or groups of files) that the user has the option of installing.
Scan Disks	Instructs INF Maker to scan the installation disks for files to install.
Files	Allows you to modify or remove files from the installation.
INI Items	Allows you to create or modify INI file items to create during the installation
PM Items	Allows you to create or modify *Program Manager* items to create during the installation.

Related topics

- INF Sections

Application dialog

The *Application* dialog is the main INF Maker dialog. It allows you to enter basic information about your application and the installation.

- Application actions
- Application fields

Related topics

- INF Maker dialogs
- Application section

Application actions

The following table describes each of the *Application* action buttons.

Button	Description
Disk Labels	Allows you to change the disk labels for the installation.
Components	Allows you to create and modify components (sets or groups of files) that the user has the option of installing.
Scan Disks	Instructs INF Maker to scan the installation disks for files to install.
Files	Allows you to modify or remove files from the installation.
INI Items	Allows you to create or modify INI file items to create during the installation
PM Items	Allows you to create or modify *Program Manager* items to create during the installation.

Application fields

The following table describes each of the *Application* fields.

Field	Description
Name	The name of the application that is to be installed. The name appears in portions of the text and in some dialog boxes.
Title	The title that should appear in the caption of every dialog box. Typically this will be "*Application Name - Installation*".
Directory	The default directory where you want the application to be installed. The user may change this by specifying a different drive and directory.
PM Group	The name of the *Program Manager* group to create. This entry is optional and is only required if you want EDI Install Pro to create a group. If you don't want a group created, leave this field blank.
Run PM	Specifies whether or not *Program Manager* should be run if it isn't loaded when EDI Install Pro tries to create the group.
Background	The type of background to use for the installation. You may set the following options:

	NONE	Will not display a background.
	DITHERED	Will display the familiar dithered blue background seen in many Windows installations.
	BITMAP	Will display a centered bitmap file as specified in the *Bitmap File* field.
	TILED	Will tile a bitmap file as specified in the *Bitmap File* field. This effect is similiar to Windows' *Control Panel* option for tiling bitmaps.

Field	Description
Bitmap File	Specifies the bitmap file to use for a background if *Dithered*, *Bitmap* or *Tiled* are specified for the background.
	If *Dithered* is specified for the background, then the bitmap file should be a 2 color (black and white) image to display at the top of the screen. The image is inversed so that the black becomes white and the white becomes invisible.
	If *Bitmap* is specified for the background, then the bitmap file can be any 16 color image. The file should be run-length encoded to save space (**Note:** Paint Brush does not support RLE files - use Borland's *Resource Workshop*).
	This field is optional.
ReadMe	Specifies a text file to be displayed once the installation has been completed. This file must be copied to the users drive if you wish to have it displayed. The file must be under 16 000 bytes large. This field is optional.
(ReadMe) Font	Specifies the font to use in the ReadMe file viewer. You may select a font from *Default*, *ANSI*, *System*, or *OEM*. Except for *Default*, all the fonts are monospaced. If you want to maintain a properly aligned

display, select *ANSI*, *System*, or *OEM*. The *OEM* font will display special IBM characters. This field is optional.

Resizable Window Specifies a resizable ReadMe file viewer. The user can move and expand the window to view more of the file at a time. Since a resizable window has no **DONE** button, closing it might be difficult or confusing for novice users. This field is optional.

Custom DLL Specifies a custom DLL for EDI Install Pro to call. The group consist of two fields - the DLL's file name and whether or not the file is compressed.

If the compressed option is selected, EDI Install Pro will decompress the file as it is copied. Otherwise it will simply copy the file without decompressing it. If the file is compressed, you should specify the name with the appropriate "$" extension (example: **INSTLIB.DL$**). See the **INSTLIB.PAS** and **INSTLIB.C** files for more information. This field is optional.

Debug Mode This is a special option that sets a *debug mode* on or off. When this option is set, EDI Install Pro will not copy the files, instead it will just check through the process for errors. This is useful when you have a long INF file to debug and you don't want to wait repeatedly for each file to be copied. **Make sure you clear this option before shipping, or your files will not be copied.**

Disk Labels dialog

The *Disk Labels* dialog allows you to manage the labels identifying the installation disks.

When EDI Install Pro cannot find a file on the currently inserted disk, it will prompt the user to insert the appropriate disk. It will use these labels to identify which disk the user should insert.

- Disk Labels actions
- Disk Labels fields

Related topics

- INF Maker dialogs
- Disks section

Disk Labels actions

To change a disk label, select an item from the list box and modify the label using the *Disk Label* edit box. Press the **ENTER** key or choose the **CHANGE** button to effect the change.

If you wish to cancel an operation, re-select the same item from the list box or select another item. When you are done editing, choose **CLOSE**.

Disk Labels fields

The disk label should be chosen so that it helps the user recognize which disk to insert. Preferably the label will be printed on the disk in such a way that the user can see it easily. They do not have to be the disks' DOS label.

Components dialog

The *Components* dialog allows you to manage the components (sets or groups of files) that the user has the option of installing.

You do not need to create any components unless you want the user to be able to do a partial or selective installation. This is very practical with large applications, as the user can choose to install only what he needs.

You can create up to 31 components. If you don't create any components the components button of the main dialog is not displayed during the installation.

- Components actions
- Rearranging items
- Component fields

Related topics

- INF Maker dialogs
- Components section

Components actions

To insert a component, select an item from the list box and enter the component name using the *Component* edit box. Press the **ENTER** key or choose the **INSERT** button to insert the component at the current position in the list. To insert a component at the end, select the blank line at the end of the list.

To change a component, select an item from the list box and modify the component name using the *Component* edit box. Choose the **CHANGE** button to effect the change.

To delete a component, select an item from the list box and choose the **DELETE** button.

If you wish to cancel an operation, re-select the same item from the list box or select another item. When you are done editing, choose **CLOSE**.

Rearranging components

The list box in this dialog supports keyboard and mouse dragging of the selected item. Using the keyboard, select an item from the list box, hold the shift key, and use the cursor keys to move the item up or down the list. Using the mouse, click and hold the mousebutton on the item you want to move, then drag the mouse up or down the list.

Component fields

The component description should be chosen so that it helps the user recognize what that particular component does, and to differentiate it from the other components.

The *Total Space Required* field is a non-editable, descriptive field stating the total amount of disk space used by the files belonging to this component.

Scan Disks dialog

The Scan Disks dialog allows you to create a list of all the files on your installation diskettes, which you can modify with the Files dialog.

Scanning your diskettes is a two stage process. First you select the scanning method you want INF Maker to use, and then you insert and label each diskette as it is requested.

- Scan methods
- Insert and label disks

Related topics

- INF Maker dialogs
- Disk Labels dialog
- Files dialog

Scan methods

The following table describes each of the scan methods:

Scan Method	Description
Update file list and scan for new files	Scans the disks, updating information on current files, and adding new files to the list. For a file to be updated it must reside in the same relative path. The disk is not important. If a listed file is not found on any of the disks, it is deleted from the list.
Delete file list and scan for files	Deletes the current files from the list, and scans the disks adding all files to the list.
Update file list only	Scans the disks updating information on current files. For a file to be updated it must reside in the same relative path. The disk is not important. If a listed file is not found on any of the disks, it is deleted from the list.

You can also set *Exclude EDI Install Pro files* to have **INSTALL.EXE**, **INSTALL.BIN**, **INSTALL.INF**, the bitmap file, and the custom DLL excluded from the scan.

You may choose **OK** to start scanning the disks, or **CANCEL** to abort the operation.

Insert and label disks

Once you start to scan disks, INF Maker will ask you to insert and label each disk successively.

First, type the label in the *Disk Label* field. If you are rescanning a set of disks, INF Maker will automatically set the old disk label for you. If you prefer a different label, you may select one from the drop down list, or type it in yourself. You **must** specify a disk label before you can scan a disk.

Next, insert the proper disk in the drive, and type the complete path or select it from the directory drop down list. You may select any directory; you do not have to scan the actual diskettes themselves. For example, you might want to lay out your files on the hard drive as they would appear on your disks. Then when your application is finished, you would create the diskettes. This saves you a lot of time on large installations, since scanning a hard drive is **much** faster than scanning diskettes.

To begin scanning choose **SCAN**. When you are finished scanning all the disks, choose **DONE**. Remember, once you start scanning, you cannot abort the operation. If you selected *Update file list and scan for new files* or *Update file list only* as the scanning method, and you choose **DONE** before all the files have been rescanned, any files in the list that are not found will be deleted.

You are now ready to modify the file settings for your particular needs.

Files dialog

The *Files* section dialog allows you to manage the files that EDI Install Pro must copy to the user's drive.

- [Files actions](#)
- [Files fields](#)

Related topics

- [INF Maker dialogs](#)
- [Files section](#)

Files actions

To change a file, select an item from the list box and modify the necessary information using the *File* fields. Choose the **CHANGE** button to effect the change.

To delete a file, select an item from the list box and choose the **DELETE** button (**Note:** This only deletes the entry in the list, not the file on the disk).

If you wish to cancel an operation, re-select the same item from the list box or select another item. When you are done editing, choose **CLOSE**.

Files fields

The following table describes each of the *Files* fields.

Field	Description
Description	The description of the file. The description is displayed in the progress dialog box, indicating which file is currently being copied, as well as in the confirmation box for version checking.
File Information	This group contains three fields:
	File Path The complete path of the file. This field is a non-editable, descriptive field only.
	Size The total uncompressed size of the file (in bytes). This field is automatically set by INF Maker everytime you scan the diskettes. There should be no need for you to modify it.
	Overhead The amount of free disk space required by the file for proper operation (in bytes). This amount does not include the file size.
	This field is **not** automatically set by INF Maker, you must individually determine the amount required. For most files, this value will be zero (0).
Component	The component this file belongs to. The file will only be installed if this component is selected by the user. Choosing «« *Always consider file »»* ensures that the file will always be considered, regardless of the selected components.
File Type	Specifies the root directory a file belongs in. A file can be of any of the following types:
	Application File This file belongs in the user specified destination directory.
	Windows File This file belongs in the user's **WINDOWS** directory.
	System File This file belongs in the user's **SYSTEM** directory.
File Format	Specifies the current format of the file. The file can be any combination of *Compressed*, *Split*, or neither. These fields are automatically set by INF Maker everytime you scan the diskettes. There should be no need for you to modify them.
	A compressed file will be decompressed during installation. If you attempt to decompress a file that was not compressed using the included utilities, an error will be reported.
	A split file will be joined during installation. If you attempt to join a file that was not split using the included utilities, an error will be reported.
	A split and compressed file will be joined to a temporary file, and then decompressed to the destination. This will initially require more free space on the users disk. Whenever possible you should place your split files in the first few disks. This allows the space required for the other files to be used as a buffer for the split files.

Version Checking	Specifies a version checking method to use for the file. EDI Install Pro currently uses the file's date to determine if a file is newer. The possible options are:

Always copy	Always copy the source to the destination.
Make backup	If the destination exists, make a backup using .**OLD** as the extension (example: **FILENAME.OLD**), and then copy the source to the destination.
Get confirmation	If the destination exists, ask the user to confirm before overwriting with the source.
Copy if newer	Copy the file if the source is newer than the destination.
Newer than system	Search for the file in the users path, **WINDOWS** directory, **SYSTEM** directory, and in the destination directory. If the file is found and the source is newer, the file is replaced, wherever it was located.
	Because this means that the file might not end up in the directory you specified, it is generally used for system files such as **BWCC.DLL** or **VBRUN100.DLL**.
If does not exist	Copy the file if the destination doesn't exist.

INI Items dialog

The *INI Items* dialog allows you to manage the .INI file items EDI Install Pro creates or modifies on the user's system.

- [INI Items actions](#)
- [Rearranging items](#)
- [INI Item fields](#)
- [Specifying destination directory](#)
- [Deleting .INI files, sections, or keywords](#)

Related topics

- [INF Maker dialogs](#)
- [INI Items section](#)

INI Items actions

To insert an INI item, select an item from the list box and enter the necessary information using the *INI Item* fields. Press the **ENTER** key or choose the **INSERT** button to insert the item at the current position in the list. To insert an item at the end, select the blank line at the end of the list.

To change an INI item, select an item from the list box and modify the necessary information using the *INI Item* fields. Choose the **CHANGE** button to effect the change.

To delete an INI item, select an item from the list box and choose the **DELETE** button.

If you wish to cancel an operation, re-select the same item from the list box or select another item. When you are done editing, choose **CLOSE**.

Rearranging INI items

The list box in this dialog supports keyboard and mouse dragging of the selected item. Using the keyboard, select an item from the list box, hold the shift key, and use the cursor keys to move the item up or down the list. Using the mouse, click and hold the mousebutton on the item you want to move, then drag the mouse up or down the list.

INI Item fields

The following table describes each of the *INI Items* fields.

Field	Description
Description	The description of the particular item. The user never sees this description, it is used only to reference the item in the list box.
Component	The component this item belongs to. The item will only be created if this component is selected by the user. Choosing «« *Always create item »»* ensures that the item will always be created, regardless of the selected components.
.INI File	The .ini file to modify. If the *Section*, *Keyword*, and *Value* fields are empty, the specified file will be deleted.
Section	The section to modify. If the *Keyword* and *Value* fields are empty, the specified section will be deleted.
Keyword	The keyword to modify. If the *Value* field is empty, the specified keyword will be deleted.
Value	The value to assign to the keyword specified above.

Specifying destination directory for an INI item

If you want to specify the destination directory in one of the fields, you must use two consecutive percent signs (%%). EDI Install Pro will replace percent signs with the destination directory, where ever it finds them.

For example, to create a keyword with a value of **D:\APPDIR\APP.EXE**, where D:\APPDIR is the destination directory, you would specify **%%\APP.EXE** as the *Value.* Don't forget the backslash (\) after the percent signs.

Deleting .INI files, sections or keywords

If you leave a field empty, the previous field will be deleted from the .INI file.

For example, to delete the keyword **APP EXE** from the **NEW APP** section of the **WIN.INI** file, you would specify **WIN.INI** in *.INI File*, **NEW APP** in *Section*, and **APP EXE** in *Keyword*. The *Value* field would be left empty.

If you wanted to delete the whole **NEW APP** section, you would specify **WIN.INI** in *.INI File*, **NEW APP** in *Section*, and leave the *Keyword* and *Value* fields empty.

Finally, to delete the **WIN.INI** file itself, you would specify **WIN.INI** in *.INI File* and leave the *Section*, *Keyword* and *Value* fields empty.

NOTE: This is a very poweful feature. You should use it with extreme caution, as deleting entries or files on a user's system is a very dangerous thing to do.

PM Items dialog

The *PM Items* dialog allows you to manage the *Program Manager* items that EDI Install Pro creates on the user's system.

If you don't want a *Program Manager* group, you don't have to create any items. Make sure you leave the *PM Group* field empty in the [Application](#) dialog.

- [PM Items actions](#)
- [Rearranging items](#)
- [PM Item fields](#)
- [Specifying destination directory](#)
- [Specifying relative paths](#)

Related topics

- [INF Maker dialogs](#)
- [PM Items section](#)

PM Items actions

To insert a PM item, select an item from the list box and enter the necessary information using the *PM Item* fields. Press the **ENTER** key or choose the **INSERT** button to insert the item at the current position in the list. To insert an item at the end, select the blank line at the end of the list.

To change a PM item, select an item from the list box and modify the necessary information using the *PM Item* fields. Choose the **CHANGE** button to effect the change.

To delete a PM Item, select an item from the list box and choose the **DELETE** button.

If you wish to cancel an operation, re-select the same item from the list box or select another item. When you are done editing, choose **CLOSE**.

Rearranging PM items

The list box in this dialog supports keyboard and mouse dragging of the selected item. Using the keyboard, select an item from the list box, hold the shift key, and use the cursor keys to move the item up or down the list. Using the mouse, click and hold the mousebutton on the item you want to move, then drag the mouse up or down the list.

PM Item fields

The following table describes each of the *PM Items* fields.

Field	Description
Description	The description of the item to create in the specified *Program Manager* group.
Component	The component this item belongs to. The item will only be created if this component is selected by the user. Choosing «« *Always create item »»* ensures that the item will always be created, regardless of the selected components.
Command	The item's associated file and parameters. This command will be executed by *Program Manager* when the icon is selected.
Icon File	The item's associated icon file. This field signals *Program Manager* to use an icon in the specified file instead of the program file in the *Command* field. This field is optional.
Icon Index	The index of the icon to use in the icon file. The index starts at 0, so if you wanted to use the fourth icon in a file, you would specify 3 as the index. This field is optional, and requires the *Icon File* field if specified.

Specifying destination directory for a PM item

If you want to specify the destination directory in the *Command* or *Icon File* fields, you must use two consecutive percent signs (%%). EDI Install Pro will replace percent signs with the destination directory, where ever it finds them.

For example, to add the the destination directory to the *Command* field and have the icon execute **C:\APPDIR\APP.EXE /D=C:\APPDIR**, where C:\APPDIR is the destination directory, you would use **%%\APP.EXE /D=%%**. The same applies for the *Icon File* field. Don't forget the backslash (\) after the percent signs.

The only time that you won't need to specify the destination directory is if the program can be located on the user's path, **WINDOWS** directory, or **SYSTEM** directory.

Specifying relative paths for PM items

The file names should include the destination relative path. For example, to create an item for **PROGHELP.EXE** located in the **PROGRAM** sub-directory of the destination directory, you would use **%%\PROGRAM\PROGHELP.EXE** in the *Command* field. Don't forget the double percent signs to specify the destination directory.

Opening and saving INF files

EDI Install Pro expects INF files to be saved in a special encoded format produced by INF Maker and **INFENCD.EXE**. INF files are encoded in order to prevent your customers from tampering with your installation script.

If you have created a text INF file, you will have to convert it before EDI Install Pro can use it. See "Creating a text based INF file" for full details.

Opening an INF file

To open an existing INF file:

1. From the file menu, choose **OPEN**.

2. Type or select the file name.

3. Choose **OK**.

Saving to a new INF file

To save to a new (untitled) INF file:

1. From the file menu, choose **OPEN**.

2. Type or select the file name.

3. Choose **OK**.

Saving changes to an INF file

To save changes to the current INF file, choose **SAVE** from the file menu.

NOTE: The demo version of EDI Install Pro expects INF files to be in ASCII text. Therefore, the demo version of INF Maker does not save files in the encoded INF format, instead all files are saved as plain ASCII text.

Any files you save with the demo version will have to be imported into the registered version, instead of being opened as outlined above.

Related topics

- Creating a text based INF file
- Importing and exporting INF files

Importing and exporting INF files

You can import and export INF files that have been saved as plain ASCII text files. This is usually used to handle files you created with an editor such as *Notepad*. You can use text files to tune an INF file by hand or have one automatically produced with your own programs or batch files. Importing a text file into INF Maker allows you to manipulate it using all of INF Maker's features.

Importing an INF file

To import an INF file:

1. From the file menu, choose **IMPORT**.

2. Type or select the file name.

3. Choose **OK**.

Exporting an INF file

To export to a new (untitled) INF file:

1. From the file menu, choose **EXPORT**.

2. Type or select the file name.

3. Choose **OK**.

Exported files have a **.TXT** extension.

Related topics

- Creating a text based INF file
- Opening and saving INF files

INF Maker Guidelines

Not available.

Related topics

- None

File compression

EDI Install Pro supports a reasonable compact and very fast, file compression method. File compression is an integral part of EDI Install Pro, and is therefore very easy to use.

- [Compressing a file](#)
- [Decompressing a file](#)
- [Advantages of compressing files](#)
- [Disadvantages of compressing files](#)

Related topics

- [INF Maker guidelines](#)
- [File splitting](#)

NOTE: The demo version of EDI Install Pro **does not** contain the compression and decompression utilities. Only the registered version has the necessary tools to support compression.

Compressing a file

Included with EDI Install Pro is a file compression utility. The Windows utilities **PACK.EXE**, **WPACK.EXE**, and their DOS counterpart **DPACK.EXE**, can be found in the **UTILS** directory. With them you can compress any of your product's files. When you compress a file, the name is changed by adding one or more dollar signs ($) to the extension. The original name is stored in the file. When you install the application, the real name is extracted and used for the creation of the new file. In the files dialog and section,you must specify the name of the compressed file and not the original name.

Decompressing a file

You or your users may decompress a file with the included redistributable unpacking utilities **UNPACK.EXE**, **WUNPACK.EXE**, and **DUNPACK.EXE**. Since **UNPACK.EXE** is a Windows application with a simple interface, it is more convenient to use then the command line versions. However **WUNPACK.EXE**, and **DUNPACK.EXE** are much smaller, and therefore more attractive when space is limited.

Advantages of compressing files

Compressed files require less space on the disk and generally take less time to copy, since the CPU usually decompresses faster than the disk drive can transfer the original file. This allows you to use fewer disks, especially if you have a lot of large data files, and decreases the installation time.

Disadvantages of compressing files

Compressing the files saves a lot space and reduces installation time. However this has one big disadvantage - the files may not be manually copied to the drive, as they are useless if not decompressed. Sometimes your users are going to want, or need, to extract only few files, which is why we include the unpacking utilities **UNPACK.EXE**, **WUNPACK.EXE**, and **DUNPACK.EXE**.

File splitting

EDI Install Pro supports file splitting, which allows you to place very large files across mutliple disks.

- [Splitting a file](#)
- [Joining a file](#)
- [Advantages of splitting files](#)
- [Disadvantages of splitting files](#)

Related topics

- [INF Maker guidelines](#)
- [File compression](#)

Splitting a file

To split a large file across multiple disks you must use the **SPLIT.EXE** utility included in the **UTILS** directory.

When splitting a file, the name is changed by adding a number to the extension. The original name is stored in the file. When you install the application, the real name is extracted and used for the creation of the new file. You must specify the name of the split file in the files section, and not the original name. INF Maker automatically chooses the proper files for you.

Once you have split the file to the necessary sizes, you must place each file on a separate disk. The disks must be consecutive for EDI Install Pro to properly extract the file.

Joining a file

The only way to join a plit file is to use EDI Install Pro. There is currently utility to manually join a split file. Once the file is split, the installer is the only way to put it together again.

Advantages of splitting files

If you have a file that will not fit on one disk, you don't usually have many options. You can use a larger disk, but that still limits you to 1.44 Mb with a high-density 3½" disk. EDI Install Pro includes a special utilty to split files across multiple disks, thereby removing the limit on file sizes.

Disadvantages of splitting files

Currently, splitting files has one big disadvantage, but only if you compress the file as well as split it. If you compress the file, it will have to be joined to a temporary file before it can be decompressed. This means that the user must have enough free space for the installation, **plus** for the largest compressed split file. One easy solution to this problem is to install the compressed split file first. This will leave a lot of space available for the temporary file, since most files have not yet been installed.

Renaming the installer

If you prefer to name the installer something else, such as **SETUP.EXE**, you can do so using the DOS **RENAME** command or with Windows' *File Manager*. For example, to change the installer to *Setup*, you would rename the files **INSTALL.EXE** and **INSTALL.INF**, to **SETUP.EXE** and **SETUP.INF**. The installer, **INSTALL.BIN**, stays the same. Remember, you must rename both files, or the installer won't be able to locate the INF file. Also, note that the extensions must remain the same, only the base names can change.

Modifying resources

The main ED Install Pro file, **INSTALL.BIN**, may be modified using a resource editor, such as Borland's excellent *Resource Workshop* or Whitewater's *Resource Toolkit*. With them you'll be able to change any of the strings, the fonts used in the dialogs, and even the dialog layouts themselves. The only thing you are <u>not allowed</u> to change, is the special *About* dialog box and copyright labels. The *About* dialog is a "secret" dialog box that only appears if you press ALT-I at the main dialog (it's secret in that the user never gets to see it).

- <u>Modifying INSTALL.BIN</u>
- <u>Debugging after modifying INSTALL.BIN</u>

Modifying INSTALL.BIN

To modify **INSTALL.BIN**, follow the following instructions:

1. Using **EXPAND.EXE** (included with Windows), uncompress **INSTALL.BIN** to a separate temporary directory as **INSTALL.EXE**. Don't confuse this with the   smaller file of the same name (the "loader"). To not overwrite the loader, you must uncompress **INSTALL.EXE** to a different directory.

2. Modify the resources using the resource editor of your choice. We recommend Borland's *Resource Workshop* or Symantec's *Resource ToolKit*.

3. Using **COMPRESS.EXE** (included with EDI Install Pro), compress the new **INSTALL.EXE** file as **INSTALL.BIN**.

4. Finally replace the old **INSTALL.BIN** with the new one.

You could use this technique to create French, Spanish, or German installers for your different international markets, or simply to change the look and feel to match your product.

Debugging after modifying INSTALL.BIN

If you are having a problem with the installer not working, please restore the original **INSTALL.BIN** before you contact us. If the problem still persists with the original file, you may contact us.

NOTE: When modifying any file, make sure you have a backup of the original. You must never modify the original file, or you won't have anything to revert to if you make a mistake.

Custom DLL

EDI Install Pro supports custom DLLs to expand the available capabilities and to tailor itself to almost any installation's needs. By creating routines to handle special parts of your installation (such as extra setup information or copying specially encoded files), you can completely customize EDI Install Pro without having to write your own installer.

Using DLLs, there's very little that EDI Install Pro can't handle. Custom DLLs expand your possibilities and personalize your installation. Plus, since the DLL can be written in almost any language, you don't have to learn to program in some strange new *script language*, as with many other installation utilities.

For more information on creating a custom DLL, see the **INSTLIB.PAS** and **INSTLIB.C** files. The example files are in Turbo Pascal for Windows and Borland's C++, but a DLL can be written in any language that supports creation of DLLs.

Sample INF file

Below is a sample INF file for EDI Install Pro, generated by INF Maker.

```
[APPLICATION]
VERSION=2.0
NAME=EDI Install Pro 2
TITLE=EDI Install Pro - Installation
DIRECTORY=c:\windows\install.pro
PM GROUP=EDI Install Pro 2
RUN PM=YES
BACKGROUND=DITHERED
BITMAP FILE=install.bmp
README FILE=readme.txt
README FONT=DEFAULT
RESIZE README=YES
DEBUG MODE=NO

[DISKS]
0=EDI Install Pro - Disk 1

[COMPONENTS]
1=Installer & Utilities
2=Samples and DLL source
3=Documentation

[DIRECTORIES]
1=samples
2=utils

[FILES]
install.txt=install.txt       1639      0 A 2  0   1 N  A
instlib.c=instlib.c          15697      0 A 2  0   1 N  A
instlib.pas=instlib.pas      15845      0 A 2  0   1 N  A
instlib.def=instlib.def        147      0 A 2  0   1 N  A
dpack.exe=dpack.exe           9843   1024 A 1  0   2 N  C
dunpack.exe=dunpack.exe       9175   1024 A 1  0   2 N  C
pack.exe=pack.exe            55296    512 A 1  0   2 N  C
split.exe=split.exe           6297    512 A 1  0   2 N  C
unpack.exe=unpack.exe        54272    512 A 1  0   2 N  C
wpack.exe=wpack.exe          21248    512 A 0  0   2 N  C
wunpack.exe=wunpack.exe      19968    512 A 0  0   2 N  C
infencd.exe=infencd.exe      13248    512 A 0  0   2 N  C
infmaker.exe=infmaker.exe   112896  16384 A 0  0   2 N  C
desc.txt=desc.txt              662      0 A 3  0   0 N  A
readme.txt=readme.txt         1263      0 A 0  0   0 N  N
install.hlp=install.hlp      81518   8192 A 0  0   0 N  C

[INI ITEMS]
Install Directory=0 install.ini "Settings" "Directory" "%%"

[PM ITEMS]
EDI Install Pro=1 "%%\install.exe"
Pack=1 "%%\utils\pack.exe"
```

```
UnPack=1 "%%\utils\unpack.exe"
Manual=3 "winhelp.exe %%\install.hlp"
```

Related topics

- [INF Maker dialogs](#)
- [INF Sections](#)

INF Sections

The INF file is separated into various sections that control different aspects of the installation process. By modifying them you configure EDI Install Pro for your own application.

Section	Description
Application	Contains basic information about your application and the installation.
Disks	Lists the names of the disks required for the installation.
Components	Lists the names and sizes of the file components (sets or groups of files) that the user has the option of installing.
Directories	Lists the names of the directories required for the installation.
Files	Lists all the files that EDI Install Pro must copy to the user's drive.
INI Items	Lists entries for EDI Install Pro to create or modify in .INI files on the user's system.
PM Items	Describes the *Program Manager* group that EDI Install Pro will create.

Related topics

- INF Maker dialogs
- Sample INF file

Application section

The *Application* section contains basic information about your application and the installation.

Section contents

An application section must contain at least the following fields: Name, Title, Directory, Free Space, and Files Total. The other fields are optional. A complete section would look like this

```
[APPLICATION]
VERSION=2.0
NAME=EDI Install Pro 2
TITLE=EDI Install Pro - Installation
DIRECTORY=c:\windows\install.pro
PM GROUP=EDI Install Pro 2
RUN PM=YES
BACKGROUND=DITHERED
BITMAP FILE=install.bmp
README FILE=readme.txt
README FONT=DEFAULT
RESIZE README=YES
INSTALL DLL=instlib.dl$ Y
DEBUG MODE=NO
```

A minimal section would look like this

```
[APPLICATION]
VERSION=2.0
NAME=EDI Install Pro 2
TITLE=EDI Install Pro - Installation
DIRECTORY=c:\windows\install.pro
```

Application entries

The following table describes each of the entries available in the *Application* section.

Entry	Description
Name	The name of the application that is to be installed. The name appears in portions of the text and in some dialog boxes.
Title	The title that should appear in the caption of every dialog box. Typically this will be "*Application Name - Installation"*.
Directory	The default directory where you want the application to be installed. The user may change this by specifying a different drive and directory.
PM Group	The name of the *Program Manager* group to create. This entry is optional and is only required if you want EDI Install Pro to create a group. **If you don't want a group created, don't include this label or leave it blank.**
Run PM	Specifies whether or not *Program Manager* should be run if it isn't loaded when EDI Install Pro tries to create the group. Specify *Yes* or

No.

Background
:   The type of background to use for the installation. You may use the following values:

NONE	Will not display a background.
DITHERED	Will display the familiar dithered blue background seen in many Windows installations.
BITMAP	Will display a centered bitmap file as specified in the *Bitmap File* field.
TILED	Will tile a bitmap file as specified in the *Bitmap File* field. This effect is similiar to Windows' *Control Panel* option for tiling bitmaps.

    This entry is optional. If you don't specify a value, it will default to *Dithered*.

Bitmap File
:   Specifies the bitmap file to use for a background if *Dithered*, *Bitmap* or *Tiled* are specified for the background.

    If *Dithered* is specified for the background, then the bitmap file should be a 2 color (black and white) image to display at the top of the screen. The image is inversed so that the black becomes white and the white becomes invisible.

    If *Bitmap* is specified for the background, then the bitmap file can be any 16 color image. The file should be run-length encoded to save space (**Note:** Paint Brush does not support RLE files - use Borland's *Resource Workshop*).

    This entry is optional.

ReadMe File
:   Specifies a text file to be displayed once the installation has been completed. This file must be copied to the users drive if you wish to have it displayed. The file must be under 16 000 bytes large. This entry is optional.

ReadMe Font
:   Specifies the font to use in the ReadMe file viewer. You may select a font from *Default*, *ANSI*, *System*, or *OEM*. Except for *Default*, all the fonts are monospaced. If you want to maintain a properly aligned display, select *ANSI*, *System*, or *OEM*. The *OEM* font will display special IBM characters. This field is optional.

Resizable ReadMe
:   Specifies a resizable ReadMe file viewer. The user can move and expand the window to view more of the file at a time. Since a resizable window has no **DONE** button, closing it might be difficult or confusing for novice users. This entry is optional.

Install DLL
:   Specifies a custom DLL for EDI Install Pro to call. The entry consist of two fields - the DLL's file name and whether or not the file is compressed. A *Y* after the DLL path specifices that the DLL is compressed. For example:

    ```
    INSTALL DLL=instlib.dl$ Y
    ```

    If the DLL is compressed, EDI Install Pro will decompress the file as it is copied. Otherwise it will simply copy the file without decompressing

it. If the file is compressed, you should specify the name with the appropriate "$" extension (example: **INSTLIB.DL$**). See the **INSTLIB.PAS** and **INSTLIB.C** files for more information. This field is optional.

Debug Mode

This is a special option that sets a *debug mode* on or off. When this value equals *Yes*, EDI Install Pro will not actually copy the files, instead it will just pretend to do so. This is useful when you have a long INF file to debug and you don't wish to wait uselessly. **Make sure you either omit this field or set it to *No* before shipping, or your files will not be copied.**

Related topics

- [INF Maker dialogs](#)
- [Application dialog](#)
- [Sample INF file](#)
- [Components](#)
- [Directories](#)
- [Disks](#)
- [Files](#)
- [INI Items](#)
- [PM Items](#)

Disks section

The *Disks* section lists the names of the disks required for the installation.

When EDI Install Pro cannot find a file on the currently inserted disk, it will prompt the user to insert the appropriate disk. It will use these labels to identify which disk the user should insert.

Disks entries

Each entry consists of an integer number (1 to 32000); an equal sign; and the name of the distribution disk. For example,

```
[Disks]
1=WinCLI Pro Disk #1
2=WinCLI Pro Disk #2
```

Disk numbers

The numbers are only used internally and need not be consecutive, although it makes more sense to do so (for example: 1, 2, 3, 4, 5; rather than: 1, 45, 33, 56, 78).

Disk labels

The disk label should be chosen so that it helps the user recognize which disk to insert. Preferably the name will be printed on the disk in such a way that the user can see it easily. They do not have to be the disks' DOS label.

Related topics

- INF Maker dialogs
- Disk labels dialog
- Sample INF file
- Application
- Components
- Directories
- Files
- INI Items
- PM Items

Components section

The *Components* section lists the names of the components (sets or groups of files) that the user has the option of installing.

You do not need to include this section unless you want the user to be able to do a partial or selective installation. This is very practical with large applications, as the user can choose to install only what he needs.

If this section is omitted from the INF file, the components button of the main dialog   is not displayed during the installation.

Components entries

Each entry consists of an integer number (1 to 31), an equal sign, and the description of the component. For example,

```
[Components]
1=Applications & Utilities
2=Documentation & Help
3=Extras
```

You can have up to a maximum of 31 components per INF file.

Component numbers

You'll want to use 1 to 31 for your component numbers. Number zero (0) is reserved and specifies that an entry should always be copied or created, regardless of what components the user selects.

Component description

The component description should be chosen so that it helps the user recognize what that particular component does, and to differentiate it from the other components.

Related topics

- INF Maker dialogs
- Components dialog
- Sample INF file
- Application
- Directories
- Disks
- Files
- INI Items
- PM Items

Directories section

The *Directories* section lists the names of the directories required for the installation. EDI Install Pro will attempt to create the directories as required by the installation.

EDI Install Pro uses this section to determine which directory on the distribution diskette contains the file and to which directory, relative to the destination, the file is to be copied. The path is always relative to the source and destination, which the user specified.

Only directories that are required for a file to be installed, will be created. To force EDI Install Pro to create an empty directory, place a "dummy" file in it (**Note:** You can use the file deletion feature of *INI Items* to remove the dummy file).

Directories entries

Each entry consists of a number (1 to 32000); an equal sign; and the name of the directory. For example,

```
[Directories]
1=Utility
2=Samples
3=Samples\Pascal
4=Samples\C
```

Directory numbers

The numbers are only used internally and need not be consecutive, although it makes more sense to do so (for example: 1, 2, 3, 4, 5; rather than: 1, 45, 33, 56, 78). Number zero (0) is reserved and specifies the root directory. You can use zero (0) in the files section whenever you need to specify the destination directory itself. For example,

```
install.hlp=install.hl$       81518    8192   A  3  1  0  C  A
                                                          Directory
```

would place the **INSTALL.TXT** file in the user specified destination directory.

Related topics

- INF Maker dialogs
- Sample INF file
- Application
- Components
- Disks
- Files
- INI Items
- PM Items

Files section

The *Files* section lists all the files that EDI Install Pro must copy to the user's drive.

Files entries

Each entry consists of a description, an equal sign, and 9 information fields. The description is displayed in the progress dialog box, indicating which file is currently being copied. It may contain spaces, commas, quotes, and other special characters, except an equal sign.

Entry fields

The 9 fields in a *Files* section entry are: File name, File Size, File Overhead, File Type, Component, Disk, Directory, Format, and Version Checking. All the fields are required and must appear in the order described below.

```
install.hlp=install.hl$        81518    8192   A  3  1  0  C  A
                  File Name              File Size   File Overhead
                                                   File Type
                                                     Component
                                                       Disk
                                                         Directory
                                                           Format
                                                             Version Checking
```

The following table describes each of the fields in a *Files* section entry.

Field	Description
File Name	The exact name of the file to be copied, as it appears on the disk. Do not specify the path. If the file is compressed, you should specify the name with the appropriate "$" extension (example: **FILENAME.EX$**). EDI Install Pro will automatically create the destination file with the original name.
File Size	The total uncompressed size of the file (in bytes). It is important that this field matches the real file size. If it doesn't, the check for the amount of disk space required and the meter bar updating won't function properly. INF Maker simplifies the task of checking file sizes by automatically scanning all the files.
File Overhead	The amount of free disk space required by the file for proper operation (in bytes). This amount does not include the file size. For most files, this value will be zero (0)..
File Type	Specifies the root directory a file belongs in. A file can be of any of the following types:
	A Application file. This file belongs in the user specified destination directory.
	W Windows file. This file belongs in the user's **WINDOWS** directory.
	S System file. This file belongs in the user's **SYSTEM** directory.
Component	The component number that this file belongs to. A file will only be

copied if the component was selected by the user. If you don't include a *Components* section, you can specify zero (0) as the component number. An entry with zero (0) as the component will always be copied, regardless of what components the user selects.

Disk

The disk number that contains the file to be copied. EDI Install Pro first attempts to read the file in the current disk and if the file cannot be located, it prompts the user to insert the specified disk.

Directory

The directory number that contains the file to be copied. The source path is constructed by combining the source directory, this directory, and the file name. The same process is used to construct the destination path.

Format

Specifies the current format of the file. The following formats are supported:

C   File is compressed and should be decompressed during installation. If you attempt to decompress a file that was not compressed using the included utilities, an error will be reported.

N   Copy the file normally, without decompressing it. No error is reported if a compressed file is copied without being decompressed.

S   The file is split and should be joined during installation. If you attempt to join a file that was not split using the included utilities, an error will be reported.

SC   The file is split and compressed, and should be joined and decompressed during installation. A split and compressed file will first be joined to a temporary file, and then decompressed to the destination. This will require more free space on the users disk.

To split a large file across multiple disks you must use the **SPLIT.EXE** utility included in the **UTILS** directory. Once you have split the file to the necessary sizes, you must place each file on a separate disk. The disks must be numbered consecutively. You specify the first disk in the series with the *Disks* field above. Remember to include an entry in the Disks section for each disk the split files require.

Version Checking

Specifies a version checking method to use for the file. EDI Install Pro uses the date to determine if a file is newer. The possible options are:

A   Always copy the source to the destination.

B   If the destination exists, make a backup using **.OLD** as the extension (example: **FILENAME.OLD**), and then copy the source to the destination.

C   If the destination exists, ask the user to confirm before overwriting with the source.

N   Copy the file if the source is newer than the destination.

S   Search for the file in the users path, **WINDOWS** directory, **SYSTEM** directory, and in the destination directory. If the file is found and the source is newer, the file is replaced, wherever it was located.

Because this means that the file might not end up in the directory you specified, it is generally used for system files such as

BWCC.DLL or **VBRUN100.DLL**.

X   Copy the file if the destination doesn't exist.

Related topics

- [INF Maker dialogs](#)
- [File dialog](#)
- [Sample INF file](#)
- [Application](#)
- [Components](#)
- [Directories](#)
- [Disks](#)
- [INI Items](#)
- [PM Items](#)

INI Items section

The *INI Items* section lists entries for EDI Install Pro to create or modify in .INI files on the user's system. This section is optional.

INI Items entries

Each entry consists of a description; an equal sign; the <u>component</u> this entry belongs to; the .INI file to create or modify; the section name; the keyword; and the value to assign to the keyword. For example, to create the following section in **WIN.INI**,

```
[WinCLI]
Color=Black
```

you would use

```
App INI=0 WIN.INI WinCLI Color Black
```

Using spaces in keys or values

Any time that you wish to use a space or a tab for anything other than separating fields, you should enclose the field in quotation marks. For example,

```
App INI=1 WIN.INI NewApp "App Exe"
```

Specifying destination directory

If you want to specify the <u>destination directory</u> in one of the fields, you must use two consecutive percent signs (%%). EDI Install Pro will replace percent signs with the destination directory, where ever it finds them. For example, to create the following section in **WIN.INI**,

```
[NewApp]
App Dir=D:\APPDIR
App Exe=D:\APPDIR\APP.EXE
```

you would use

```
[INI Items]
App INI=1 WIN.INI NewApp "App Dir" %%
App INI=2 WIN.INI NewApp "App Exe" %%\APP.EXE
```

Deleting .INI files, sections, or keywords

If you leave out the section name, the keyword, or the value, the specified part will be deleted from the .INI file. For example, to delete the *App Exe* item of the *NewApp* section listed above, you would use:

```
[INI Items]
App INI=2 WIN.INI NewApp "App Exe"
```

If you wanted to delete the whole *New App* section, you would use

```
[INI Items]
App INI=3 WIN.INI NewApp
```

Finally, if you wanted to delete the .INI file itself, you would use

```
[INI Items]
App INI=4 WIN.INI
```

NOTE: This is a very poweful feature. You should use it with extreme caution, as deleting entries or files on a user's system is a very dangerous thing to do.

Related topics

- [INF Maker dialogs](#)
- [INI Items dialog](#)
- [Sample INF file](#)
- [Application](#)
- [Components](#)
- [Directories](#)
- [Disks](#)
- [Files](#)
- [PM Items](#)

PM Items section

The *PM Items* section describes the *Program Manager* group that you want EDI Install Pro to create.

If you don't want a *Program Manager* group, you don't have to include it. If you exclude this section, you should also exclude the *PM Group* entry of the Application section.

PM Items entries

Each entry consists of the name of the item to create; an equal sign; the component this entry belongs to; the file's path name and parameters (enclosed in quotation marks if necessary); the icon file's path name; and the icon index. Only the component and the file name are required, the icon file name and the icon index are optional. A complete entry would look like this

```
WinCLI=1 WINCLI.EXE WINCLI.EXE 0
```

A minimal entry would look like this

```
WinCLI=1 WINCLI.EXE
```

Specifying destination directory

Most of the time you will want to specify the destination directory as the file's path, so that *Program Manager* is able to locate the file. You must use two consecutive percent signs (%%) to specify the destination directory. EDI Install Pro will replace the percent signs with the destination directory in the program and icon file specifications. For example,

```
EDI Install Pro=1 %%\INSTALL.EXE %%\INSTALL.EXE
ReadMe=2 "NOTEPAD.EXE %%\README.TXT" NOTEPAD.EXE
```

would tell EDI Install Pro to add the destination directory to the program and icon file names when creating the *Program Manager* item. Don't forget the backslash (\) after the percent signs.

The only time that you won't need to specify the destination directory is if the program can be located on the user's path, **WINDOWS** directory, or **SYSTEM** directory.

Specifying parameters

If you wish to specify any parameters along with the file's path name, you must enclose the command line (program name and parameters) in quotation marks. For example,

```
ReadMe=2 "NOTEPAD.EXE %%\README.TXT" NOTEPAD.EXE
WCLICtrl=3 "WCLICTRL.EXE /C /N /S"
```

Any time that you wish to use a space or a tab for anything other than separating fields, you should enclose the field in quotation marks.

Specifying icon files

By specifying a different icon file, *Program Manager* will use an icon in the specified file instead of the program file. The icon index is used to determine which icon (0..?) will be used from the

icon file. For example,

```
WinCLI Pro=1 WINCLI.EXE WINCLI.EXE 3
```

would tell *Program Manager* to us the 4rth icon (0, 1, 2, 3 = 4rth icon) in WINCLI.EXE.

Specifying relative paths

The file names should include the destination relative path. For example, to create an item for PROGHELP.EXE located in the PROGRAM sub-directory of the destination directory, you would use PROGRAM\PROGHELP.EXE as the path name.

```
[PM Items]
Program Help=1 %%\PROGRAM\PROGHELP.EXE
```

When specifying relative paths, it is usually necessary to specify the destination directory as well, using the double percent signs.

Related topics

- INF Maker dialogs
- PM Items dialog
- Sample INF file
- Application
- Components
- Directories
- Disks
- Files
- INI Items

Copyright

Related topics

- Disclaimer
- License agreement
- License registration
- Shareware concept

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Related topics

- Copyright
- License agreement
- License registration
- Shareware concept

License agreement

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Related topics

- Copyright
- Disclaimer
- License registration
- Shareware concept

License registration

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When you register for a license, we will send you the latest version of the package. It will not have the opening delay screen that you get with the demo version, plus it will support compression. You will also receive utilities to pack, unpack, and split your files.

Related topics

- Copyright
- Disclaimer
- License agreement
- Shareware concept
- Upgrades
- Order form
- Product line
- Contact information

Shareware concept

Shareware is copyrighted software which is distributed by authors through bulletin boards, on-line services, disk vendors, and copies passed among friends. It is commercial software that you are allowed to try before you pay for it. This makes shareware the ultimate in money back guarantees!

Most money back guarantees work like this: you pay for the product and then have some period of time to try it out and see whether or not you like it. If you don't like it or find that it doesn't do that you need, you return it and you get your money back. Some software companies won't even let you try their product, since to qualify for a refund the diskette envelope must have an unbroken seal.

With shareware you get to try it for a reasonable limited time (like 30 days), without spending a penny. You are able to use the software on your own system, in your own special work environment, with no sales people looking over your shoulder. If you decide not to continue using it, you throw it away and forget all about it. You only pay for it if you continue to use it.

Shareware is a distribution method, not a type of software. You benefit because you get to use the software to determine whether it meets your needs, before you pay for it. Authors benefit because they are able to get their products into your hands without the expenses it takes to launch a traditional retail software product. There are many programs on the market today that would never have become available without the shareware marketing method.

The shareware system and the continued availability of quality shareware products depend on your willingness to register and pay for the shareware you use. It's the registration fees you pay which allow us to support and continue to develop our products. Please show your support for shareware by registering those programs you actually use and by passing them on to others. Shareware is kept alive by your support!

Related topics

- Copyright
- Disclaimer
- License agreement
- License registration

Upgrades

We periodically provide bug fixes and upgrades for our products.

Upgrade policy

Minor changes and bug fixes are free; major revisions carry an upgrade fee. If we release a new version within 15 days of your purchase, and it is similiarly priced, we will provide the upgrade free of charge. Shipping and handling is always extra.

Upgrading to EDI Install Pro 2.0

If you already own a copy of EDI Install Pro versions 1.0 through 1.4, you may upgrade to *EDI Install Pro 2.0* or to the *EDI Install Pro 2.0 Developer Package* for a discounted price. See the order form for details. Make sure you order under the same name and address as the original product, or advise us of the changes.

Related topics

- Order form
- Contact information

Order form

Click mouse button here to print an order form.

For information, orders, or site licenses, call or fax Eschalon Development Inc. at (604) 520-1543, or send an EMail message on Compuserve at 76625,1320. Due to the large size of the product, we are no longer able to ship electronically (such as through CompuServe).

NAME/CONTACT: _____

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STREET: _____

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EDI Install Pro 2.0	$125.00 Cdn.	($99.95 US)	x ___ units =	$ _____
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Product line

Eschalon Development Inc. product line as of March 1st, 1993.

Product	Price (US $)
EDI Install Pro for Windows	$99.95
EDI UnInstall for Windows	$99.95
EDI Install for MS-DOS	$45
EDI Threads for Windows	$99.95
EDI Power Libs for Windows	$99.95
WinCLI/WinCLI Pro	$35/$79.95
LZSSLib, Single/Distribution	$25/$299.95

All of our products can be ordered directly through us. You can download the "demo" versions from CompuServe (WINSDK or WINADV sections, usually).

EDI Install Pro for Windows - Version 2.0

EDI Install Pro is a powerful, full-featured installation utility. Most everything you need is included, in a simple to use format - no programming is required. However, if you need to add a specialized feature, you can do so with your own custom DLLs.

Your customers will feel right at home with its standard, professional interface. We don't clutter our windows with useless gadgets or hokey graphics. In our opinion, a clean, standard interface, makes for a better product, and leaves a lasting impression.

EDI Install Pro does not waste your time forcing you to learn yet another script language. It uses a simple INF file format that makes creating powerful installations a breeze. In fact, using the included INF Maker utility you can complete most installations in minutes!

 Unlike some of our competitors, we don't charge royalties, and we don't require you purchase a license for each product you distribute. After all, you don't purchase a new compiler for every program you develop!

Call and order EDI Install Pro today and your first impression will always be a good one!
Features:

- High-quality,   standard interface.
- Powerful INF Maker utility simplifies creation of installation.
- Dithered, tiled or bitmap backgrounds.
- Progress bar keeps user informed.
- Selectable components allow users to perform partial installations.
- .INI creation and modification.
- Creates Program Manager groups.
- Built-in readme file viewer.
- Efficient file compression/splitting.
- Multiple version checking options.
- Extensive error checking.
- Small size is perfect for single disk.
- Supports multiple disks - all sizes.
- Fully expandable via custom DLLs.
- No royalties and no hidden costs.
- Plus much, much more!

You can do almost anything you need with EDI Install Pro, just as it is. However, by allowing custom DLLs, you can expand the capabilities to include anything you need, such as custom setup information, custom component selection, advertising text, file encryption, autoexec.bat or config.sys modifications, and much more. We couldn't include every possible feature, but with a custom DLL you can add anything you need.

EDI UnInstall for Windows - Version 1.0

Finally, a utility that allows users to uninstall your applications! Using a simple INF File, EDI UnInstall deletes application files, removes Program Manager groups, removes or changes .INI files or sections, and optionally deletes user data files. It will leave no trace of the previously installed application! EDI UnInstall uses the same attractive interface and simple file format as EDI Install Pro. Users and reviewers alike, are now demanding the option to uninstall. Can you risk not using EDI UnInstall?

EDI Install for MS-DOS - Version 1.0

EDI Install for MS-DOS is a complete implementation of our famous Windows installer written specifically for MS-DOS. Features a pleasant text based windowed interface which gives your users a good first impression of your product. This versions uses the same INF file format introduced in EDI Install for Windows, making it just as easy to learn!

EDI Threads for Windows - Version 1.0

EDI Threads is a complete multi-threading library for Windows. With it you can easily create applications that use background printing, complex redrawing, repagination, serial port polling, text searches, and more. There is no need to wait for Windows NT or switch to OS/2. With EDI Threads, writing background processes for Windows applications becomes a snap. Here are just *some* of the features you'll find:

- Easy to use, even when converting existing applications.
- Almost any function can be turned into a thread.
- Speeds up application's response time.
- Automatic system-wide scheduler.
- Unlimited number of threads.
- Each thread uses it's own stack.
- Adjustable priorities and time slices.
- Pause or stop a thread at any time.
- There is practically no limit to what a thread can do, including Windows and DOS calls.
- NO ROYALTIES.

The threads operate independently of the main program. As soon as a thread is started, control is returned to the application. By applying this technique to a background operation you will drastically speed up the application's user response time. Instead of waiting for a task to finish, you can start it and return to the user without delay. No more coffee breaks during lengthy operations!

NOTE: Pascal/assembler source is now available for $395 US ($465 Cdn).

EDI Power Libs for Windows

EDI Power Libs provides a complete set of powerful routines to simplify your programming tasks. Use EDI Power Libs instead of re-inventing the wheel every time you need a new feature. It will save time and money, while providing greater flexibility.   Here are just *some* of the features you'll find:

- Low-level functions: fast data manipulation, inline memory access, process yielding, DOS wrapper calls, easy DPMI access, debugging aids.

- High-level functions: sound, friendly delays, timing (count-down, "dead-man", difference, etc.), string manipulation (conversions, editing & handling, parsing, DOS functions, etc.), date & time (international, calculations, conversion), pattern matching (file and buffers).

- DOS functions: copy, move, rename, enumeration, share checking, file locking, drive type, disk labels, safety and error checking, string parsing, etc.

- Fast inline macros for system critical requirements.

- Full on-line documentation and examples.

- Dynamically linked library format included for languages with DLL support (i.e. Pascal, C, C++, Visual Basic, and more)*.

- Source code included (Pascal and Assembly).

- Plus much, much more!

*Only some language interface modules are included; check with us regarding availability.

NOTE: EDI Power Libs for Windows should be available in June 1993.

WinCLI/WinCLI Pro* - Version 3.0/1.0

WinCLI Pro is a complete command line interface capable of running Windows applications as well as DOS applications. It replaces the usual DOS prompt on standard and enhanced mode systems. Also included over 30 built-in file management commands (ALIAS, ASSOCIATE, ATTRIB, CD, CLS, COPY, DATE, DEL, DIR, EXIT, FINDFILE, HELP, INFO, LABEL, MEM, MAKEDIR, MORE, MOVE, PATH, PROMPT, RENAME, RENDIR, RMDIR, SYSINFO, TIME, TITLE, VER, VERIFY, VOL, WHICH and many other extended commands).

WinCLI Pro has full clipboard support, a detailed help system, command line editing, command line history, aliases (like Doskey macros in MS-DOS 5.0), a scroll-back buffer, selectable font and adjustable colors. Also included in the package is a complete File Manager replacement, settings utility, password system protector, clock & screen saver and various other small utilities.

*Some features are only available in WinCLI Pro.

LZSSLib - Version 1.0, Single/Unlimited license

Complete compression/decompression DLL for Windows. Quickly and easily add compression support to your current applications. Supports Turbo Pascal for Windows, C/C++, Actor, Visual Basic, Object Vision 2.0 and any language product that supports DLLs*.

*Only C and Pascal interface code is included.

Contact Eschalon Development Inc.

For technical assistance, <u>orders</u>, site licenses, <u>upgrades</u> or information on our other <u>products</u>, you may contact us at:

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