

Peregrine

# Desktop Inventory

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## Application Encyclopedia User's guide

For use with Desktop Inventory 7.0.0

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# About this guide

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This User's Guide serves as an introduction to the Desktop Inventory Application Encyclopedia (ApE) and as such is recommended reading for anyone working with the product.

It contains details of the application, a description of the features and details of how you would use the application.

## Knowledge requirements

As an Application Encyclopedia user, you need a basic knowledge of the environment in which you are working (Windows 95/98/2000/NT/XP or UNIX).

## Who uses Application Encyclopedia

Typically, you will have someone in your IT department who is responsible for managing in-house applications and keeping your application library up to date.

## Organization of this Guide

This guide is organized around the main functions associated with the Application Encyclopedia. The following table shows you which part of the manual you need to reference to find the information you require.

To find this...	Look here...
Application Encyclopedia overview; get to know Application Encyclopedia's components.	Chapter 1 <i>Introduction</i>
Application Encyclopedia's relationship with the Desktop Inventory products.	Chapter 1 <i>Introduction</i>
How to update the data in your Application Encyclopedia database and how to plan this project	Chapter 2 <i>ApE database maintenance</i>
How to use the Application Encyclopedia Explorer menus, toolbars and buttons.	Chapter 3 <i>ApE Explorer</i>
Logging on to and logging out from the Application Encyclopedia Explorer.	Chapter 3 <i>ApE Explorer</i>
Viewing information in the Application Encyclopedia Explorer	Chapter 3 <i>ApE Explorer</i>

## Contacting Peregrine Systems

For technical support on this or any other product from Peregrine Systems, Inc., refer to the Customer Support Web site at:

<http://support.peregrine.com>

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# 1 Introduction

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## CHAPTER

This chapter provides an overview of the Desktop Inventory Application Encyclopedia (also referred to as ApE in this document).

You will find information on the following topics:

- *Application Encyclopedia overview* on page 10
- *The ApE components* on page 11

# Application Encyclopedia overview

Application Encyclopedia (ApE) is a database-style recognition library which provides the application recognition technology foundation for Peregrine Systems's Desktop Inventory products.

After you have configured a Scanner and scanned the computers in your population, a scan file is produced which contains inventory data about those computers.

The scan file does not initially contain a list of recognized software applications. Instead the Scanner collects information about executable files. This information is then analyzed to determine the applications the files are part of.

This analysis makes use of a Software Application Index (SAI) file (which resides in the C:\Program Files\Peregrine\Desktop Inventory\7.00\Common directory by default). A SAI file contains encoded knowledge of what software applications can be recognized. Once applications have been recognized, the scan file is rewritten, or 'enriched', to include the application list.

There are three ways to update the SAI file with knowledge of new applications.

- You can download a new SAI file from the Peregrine support web site. This file is updated on a quarterly basis to reflect the on-going work of our software librarians.
- You can export (generate) a SAI file with knowledge of your own applications using the Application Encyclopedia (ApE) Explorer. The ApE Explorer is also used to maintain your database. This method is covered in Chapters 2 and 3 of this User's Guide.
- A customized SAI file (user.sai) can be created using Analysis Workbench. This file contains applications that you have taught to it.

## Further information

You can find further information about SAI files and how they are used for recognition in the Desktop Inventory User's Guide.

# The ApE components

The Application Encyclopedia recognition engine consists of three components:

- **Application Encyclopedia Database**

This database contains information about software applications. You can export this information to a SAI file used when application recognition is required for Analysis Workbench and Viewer.

- **Application Encyclopedia Server**

The ApE Server is a software component that manages updates to the ApE database. It ensures that user customizations are maintained and integrated with Peregrine data from new SAIs.

- **Application Encyclopedia Explorer**

The ApE Explorer is a Windows-based tool that allows multiple users to manage, view and update the information in the ApE database. It is possible to get several views of the data in the database, add new applications to the recognition library, export the contents of the database to the SAI format, import SAI files, etc. ApE explorer connects to an ApE Server via IP sockets.

See *ApE Explorer* on page 25 for further information about using the ApE Explorer.

These components work together to create a recognition data maintenance system.

Figure 1-1 on page 12 shows the communication between the three components of the Application Encyclopedia.

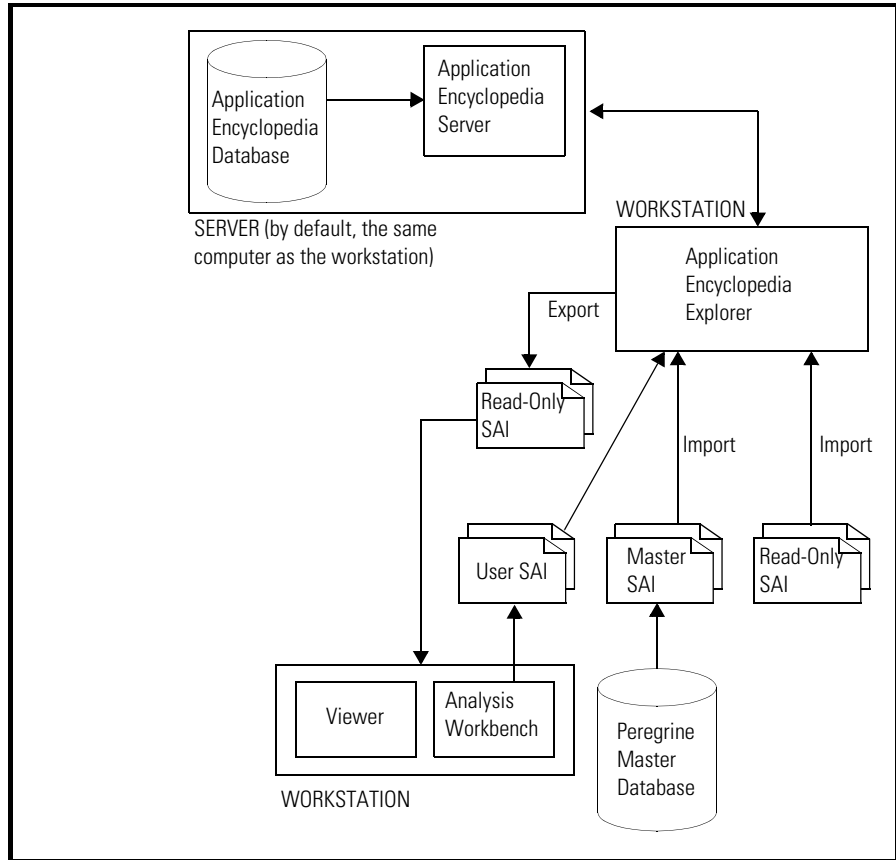


Figure 1-1: The Ape components

# 2 ApE database maintenance

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## CHAPTER

You will find information on the following topics:

- *Keeping your ApE database up-to-date* on page 14
- *Techniques used to maintain the ApE database* on page 14
- *Importing SAIs into your ApE database* on page 15
- *Manually updating your ApE database (teaching)* on page 17
- *Database backups* on page 23
- *Frequently asked questions* on page 23

## Keeping your ApE database up-to-date

You will want to keep your ApE database up to date, so that it includes in-house applications and any applications that you may have taught to User SAIs in Analysis Workbench.

When you first install Desktop Inventory, the ApE database is unpopulated and you populate it with data from Peregrine's Master database (Master SAI). The ApE database can also be populated with data from National SAIs (currently French and German SAI) if you have national editions of the applications installed across your software population.

**Note:** If no such applications are installed then we recommend that you import only the Master SAI.

If you are upgrading from a previous version of InfraTools Desktop Discovery, you may have a customized database that you wish to use. You may do this by exporting an SAI from your old installation and importing that into the new database. Once you have your existing data in the new database you may import the latest Master SAI to ensure that the Peregrine portions of your software library are up to date.

### Further information

- Further information about the SAIs and how to maintain them is covered in detail in the Desktop Inventory User's Guide.
- The procedures used to manually update the ApE database are covered in Chapter 3 of this manual.

## Techniques used to maintain the ApE database

The Application Encyclopedia Explorer is used to maintain and update the data in the Application Encyclopedia database by:

- Importing file data from a scan file. This should be the main way in which you update files in the ApE database.
- Importing a User SAI file that may have applications in it that you have manually taught via Analysis Workbench.
- Manually adding publishers, applications, release labels, files and version relations.

## Importing SAIs into your ApE database

Entries can be added to an SAI file. These SAI files can be imported into the Application Encyclopedia database. Three types of SAI files can be imported.

- **SAI updates (Master.sai)**

Peregrine Systems hold a master copy of the database. This Master database is being continually updated and new information is made available in the form of SAI Updates. You can obtain these updates by visiting the Peregrine Customer Support website. These SAI updates can then be imported into the customer Application Encyclopedia database.

- **User SAIs (User.sai)**

User SAIs are custom created using the Analysis Workbench.

- **Read Only SAIs**

A Read Only SAI is an export from your ApE database. It can be imported back, although doing so will wipe out the existing entries in your database. If you want to have your own entries as well as the new entries from the Master Library when setting up the database, **ReadOnly.sai** must be imported first.

The mechanics of importing SAI files are covered in *Importing data from an SAI* on page 54 of this guide.

## Master Application Libraries and National Libraries

The central Peregrine ApE database is called the Master Database and is distributed to customers as a set of Master SAI files:

- Master.sai
- French.sai
- German.sai

It is exported from the Peregrine Master database by Peregrine Librarians and posted as a quarterly update on the Customer Support website.

The **Master.sai** contains English (English US, English UK, international English etc.) versions of software and language-independent application versions or neutral versions.

The **French.sai** and **German.sai** files are exports from the Master database. Although **Master.sai** contains only English and neutral applications, the Master database contains all data, i.e. including French and German data.

These SAI files can be used to keep your ApE database up to date (quarterly) in addition to adding entries of your own to the ApE database.

The ApE database can then be used to produce a single SAI file to be used for your recognition purposes in applications such as Analysis Workbench, XML Enricher and Viewer.

**Note:** When importing National SAI files, you must import the Master SAI first.



## Manually updating your ApE database (teaching)

The process of manually updating your database with new entries is also known as teaching entries to the ApE database.

Manual updates to the Application Encyclopedia database are used to update publishers, applications and versions.

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**Important:** This is not the preferred way of maintaining the files in the database, since numerous properties must be manually entered into the database for each file to be described.

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ApE database maintenance can be broken down into four stages:

Description	See...
<i>Stage 1 - Obtaining the software</i>	page 17
<i>Stage 2 Application structure analysis and installation of all the components</i>	page 18
<i>Stage 3 - Adding obtained information into the Library</i>	page 19
<i>Stage 4 - Creating a new SAI file for recognition purposes</i>	page 22

### Further information

The actual teaching procedure is covered in detail in *Teaching new applications to the ApE database* on page 60.

## Stage 1 - Obtaining the software

This stage involves deciding which software is to be added to the ApE database and where it can be obtained from. Generally, this will be in-house software that your company has produced or any new commercial applications acquired by your company.

## Stage 2 Application structure analysis and installation of all the components

This stage involves the installation and analysis of the software. However, before the installation of the software takes place a certain amount of preparation work should be done.

### Preparation work

We recommend that you have at least one test machine for the purpose of application installations. For installations of Client/Server applications access to an additional machine should be considered.

The best way to collect all the necessary information about files belonging to an application is to make a 'clean' installation of that application. That is, install the application on a machine which has only an operating system installed.

Since it can be very time consuming to install an operating system on a machine every time the application installation is required, we recommend that you install it once and then use some kind of imaging software. By using this software the images of all base operating systems can be created. When a certain operating system is required, the image can be quickly restored.

### Application analysis

In order to add application data into the database you will have to establish:

- The hardware and software requirements for an application installation and whether they can be met.
- The platforms an application is designed for
- What third party applications must be installed for the application to function correctly (for example, Interbase Server is required for Delphi).
- What the structure of the application is. That is:
  - What the components of the application are (whether they are standalone)
  - What the **Main** files of the application are and each of the components
  - What the **Associated** and **Third Party** files are

For definitions of these file types, refer to *Recognition file types* on page 21.

A clean installation of the application and each of the standalone components should be made on every platform the application is designed for. Data should be scanned and added into an application library.

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**Warning:** The default Scanner might be changed to include other executables if required.

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## Stage 3 - Adding obtained information into the Library

During this stage, application data is added into the ApE database, taking into account version relations between different application components (provided there are any) and naming conventions for the Publisher/Application/Version names.

### Naming conventions

In order to provide and maintain data consistency in the ApE database, applications should be described in a standardized way. This can potentially guarantee that if different people work with the database, the standard is not reduced.

#### Publisher

We define a publisher of a software application as a company that holds the full Copyright for the application. It is not necessarily the company that developed the product. Sometimes, the developers of the product do not own the copyright or have only partial copyright. If there is more than one company listed in the Copyright list, the one with the full Copyright should be chosen.

All publisher names should be spelled the same way in the ApE database. Before adding a new publisher name to the database it is a good idea to check whether the entry for the publisher already exists. Generally, publisher names should be entered into the database the way it was spelled in the Copyright for the product. However, there are a few things that should be kept in mind.

- Publisher Names with **The** in the title. For example, **The Wollongong Group**. The article (The) should be omitted, since most people will look for the name 'Wollongong' not 'The Wollongong'.

- If it is a publisher group (for example, Matrox Electronic Systems consists of Matrox Graphics, Matrox Imaging, Matrox Networks, Matrox Video), the branch of the company responsible for a particular development should be considered the publisher. You can enter a note in the Publisher details that the company is a member of a certain Publisher group.
- If one publisher acquires another, then use the following convention to rename the publisher that has been acquired:
  - The acquiring company name should be written first followed by the name of the publisher that acquired it in brackets. For example, Peregrine (fPrint).

## Application

We define an application as a group of files that performs certain tasks for users.

If during an application installation you have to agree to a licence agreement, then we would say that the application requires a licence. The licence can be free of charge (for example, Netscape Communicator, Internet Explorer, etc.).

All applications should be spelled in the same way. Before adding an application into the database it is a good idea to check whether this application already exists in the database.

If the application is not already in the database, Application Name should be entered into the database the way it is spelled in the following sources (whatever is available):

- **Help About... information box** in the installation of the product
- **CD-ROM cover** for the product CD
- **Properties... Product Name** in Windows Explorer (not always consistent)
- **Product Name field** of the Windows Version resource data in the scan file.

## Version

The version of an application is a release in which application functionality has been changed significantly compared to the previous release. This is reflected in the file data changes and/or structure of the application.

Version Name consists of the version number, operating system details and the language description. It is relatively difficult to establish how far you should go with the version number level (2, 4, 6, digits or more....).

The general rule is that it should contain enough differences so the recognition engine can distinguish it from the other releases. By the Operating Systems in the version description we mean the operating system(s) that the application version was designed for, as opposed to the operating systems it would be able to run on.

The version information should be taken from the following sources:

- **Help About... information box** (provided it is possible to launch the product after the installation)
- **Properties...Product Version** in Window Explorer, although that information is not always consistent
- **Product Version field** of the Windows Version resource Data in the FSF

## Recognition file types

Each file in the ApE database is categorized as Main, Associated or 3rd Party.

### ■ Main file

This is a key application file, i.e. it is a file without which the application could not be running. It should always be present whenever the application is installed regardless of whether it is a minimum or complete installation. An application can have more than one Main file. If at least one of them is found on the machine, the application will be reported.

### ■ Associated file

This is a non-key file that is part of the application and is written by the publisher that developed the product.

### ■ 3rd Party

This is a file written by another Publisher (3rd Party) and is used in the current application. Examples of 3rd party files are some DLL files that are technically used by the application, but are also distributed freely and can be used by other applications.

## Release labels

When a publisher releases updates for an existing version of one of their products, they typically don't change the name of that version. Any particular version of a product could have several updates to it. ApE refers to the umbrella version as the Release Label, and to each of the updates as a Version.

It is not necessary that every version of software has a release label. In fact, most of them do not. Every version without a release label is associated to a virtual **Standalone Releases** label.

## Version relations

The version relation mechanism has been implemented in order to report the correct number of licences required for an application installation.

If an application is a suite of products (for example, Microsoft Office or Lotus SmartSuite) the suite products (e.g. Access, Excel, PowerPoint etc.) need to be covered by one suite licence when they are installed as part of the suite and by individual licences when they are bought separately.

Version relations connect the main components that represents the suite (Office Tools in the case of Microsoft Office or Lotus SmartCenter in the case of Lotus SmartSuite) with other products belonging to the suite.

In the case when the main suite component is not installed on the machine, the installed suite components will be regarded as individual products.

Version relations are also useful when an application has a complex component structure. If application components can be installed on their own, they should be treated as independent applications, but the connection with the application should be reflected in version relations of that application.

### Further information

For further information about version relations please see *What is a version relation?* on page 72.

## Stage 4 - Creating a new SAI file for recognition purposes

When you have made additions to the ApE database, export an SAI file from it that can be used for the recognition purposes when using Analysis Workbench and Viewer.

**Further information**

For further information about creating a new SAI file, see *Exporting data to an SAI* on page 57.

## Database backups

To protect the Application Encyclopedia database from potential data loss, the database should be backed up regularly. In addition, it is recommended to store the backup medium in a different physical location from the database server.

The Application Encyclopedia database can be backed up by making a copy of the following directory and zipping it

```
<mysql_install_dir>\data\apeserver
```

Typically this will be:

```
c:\program files\peregrine\Desktop Inventory\7.0.0\mysql\data
```

## Frequently asked questions

**For which languages are recognition libraries available?**

There are currently three languages of libraries available for Desktop Inventory, in all cases the master (English) library should be used. This can be supplemented currently by French and German language libraries.

**How often are recognition libraries released?**

Recognition libraries for all languages are released once each quarter via the secure customer support site, library updates are available without additional charge for all customers under maintenance.

**Can I use a new recognition library with an old version of the software?**

As technology is always improving, it is necessary for the recognition libraries to evolve in conjunction with the application recognition technology within product releases.

The latest library can be only be safely assumed to be fully compatible with the current release. However, when attempting to use a new recognition library with an old version of the software, the software will warn you if the SAI version is not supported.

**I see that SAI updates are available regularly, what about updates to the server based APE database?**

Quarterly updates to the SAI and ApE databases are distributed. For both of these kinds of updates, an SAI file is used as the transfer medium.

For users with ApE, the update file is used to identify and apply the changes since the last update, including additions, changes and deletions. The update file is automatically applied through the ApE Explorer's Import SAI function.



# 3 ApE Explorer

## CHAPTER

This section describes the Application Encyclopedia (ApE) Explorer, which is used to maintain the data in the ApE database and for importing and exporting data to different formats.

You will find information on the following topics:

- *Overview of ApE Explorer* on page 26
- *Getting Started* on page 27
- *The Application Encyclopedia Explorer Interface* on page 33
- *Using the ApE Explorer* on page 38
- *Version Relations* on page 72
- *Verifying recognition* on page 74

# Overview of ApE Explorer

The ApE Explorer is used to do the following:

- View information in your ApE database
- Add a new software publisher/application/release label/version/file to the ApE database
- Delete an existing software publisher/application/release label/version/file from the ApE database
- Edit the properties for an existing software publisher/application/release label/version/file in the ApE database
- Import data from a Software Application Index (SAI) file
- Export a data to a SAI file
- Manually teach new applications to the ApE database

# Getting Started

## In this section...

Topic	See...
<i>If upgrading from a previous IDD release</i>	page 27
<i>Installing ApE Explorer</i>	page 28
<i>Manually creating the ApE Database</i>	page 28
<i>Required operating environment</i>	page 29
<i>Starting and stopping the ApE Server service</i>	page 29
<i>Launching ApE Explorer</i>	page 30
<i>Logging in to ApE Explorer</i>	page 30
<i>Initial activity</i>	page 31
<i>Configuring the ApE Server</i>	page 31
<i>Viewing log files</i>	page 32

## If upgrading from a previous IDD release

If upgrading from an InfraTools Desktop Discovery release, do the following:

- 1 Create a Read-Only SAI by exporting it from your old InfraTools Desktop Discovery ApE database.
- 2 When you have installed the new Desktop Inventory software, import this SAI into the new APE database.

The new ApE Server will convert the data and place it in the ApE database.

- 3 Once you have imported the old SAI, import the new Master SAI into the new database.

---

**Warning:** This action will wipe the database. We recommend that you perform this procedure on an empty database.

---

For further information on the upgrade procedure, refer to the Desktop Inventory Installation Guide.

## Installing ApE Explorer

Refer to the Desktop Inventory Installation Guide for instructions on how to install the Application Encyclopedia client.

### Elements installed

On installation the following components are installed on the workstation:

- ApE Server
- ApE Explorer

This component communicates with the ApE server for customization of the database.

## Manually creating the ApE Database

---

**Important:** The following procedure will delete all data in an existing ApE database should one exist already. Caution should therefore be used.

---

If Desktop Inventory is installed on a computer that already has a version of MySQL installed then the installer will not attempt to install an additional copy. The ApE Server can use the existing MySQL installation.

However, the installer will not be able to automatically create the ApE database - this would require the use of a MySQL administrator login and password, unknown to the installer if it didn't install the MySQL installation in question.

The ApE Database needs to be created by a user who can provide a MySQL login and password with sufficient rights to create databases and tables, and to insert rows.

### To manually create the ApE Database:

- 1 Using the Windows Explorer, copy the files `apeserv.sql` and `userid.sql` from the ape server directory (C:\Program Files\Peregrine\Desktop Inventory\7.0.0\ApE Server by default) to the MySQL bin directory (C:\mysql\bin by default)

This is necessary due to a bug in the MySQL client which prevents the client from accessing files that reside in a directory with spaces in the path name.

- 2 Launch the MySQL command line client. This is done by running the following:  
c:\mysql\bin\mysql -u <username> -p  
from a command prompt. If you installed MySQL to a non-default location, the path to mysql.exe will be different.  
<username> refers to the MySQL login that you intend to use to create the database. The MySQL client will prompt you for a password.
- 3 Once successfully logged in, execute the following command:  
\. apeserv.sql  
This will execute the SQL script that creates the database.
- 4 Execute the following command:  
\. userids.sql  
This inserts the initial ID records into the ApE database.
- 5 Type exit to quit the MySQL client.
- 6 You may now delete the copies of the SQL scripts from C:\mysql\bin.  
Your ApE database will now be created, and you can use the ApE software as described in this User's Guide.

## Required operating environment

The Application Encyclopedia Explorer works on any Windows-32 bit Operating System.

## Starting and stopping the ApE Server service

The ApE Server is an NT service. By default, this service is **started** when the program is installed.

If you should ever need to stop or start this service manually, there are two ways in which you can start and stop an NT service:

- Using the Services facility in Control panel.
- Using Net Start and Net Stop commands in a DOS window.

Refer to the documentation supplied with your Windows installation for more information on how to do this.

---

**Important:** You can configure various settings for the ApE Server by changing entries in the `apeserv.ini` file. Further information on how to do this is given in *Configuring the ApE Server* on page 31.

---

## Launching ApE Explorer

To launch the Application Encyclopedia Explorer:

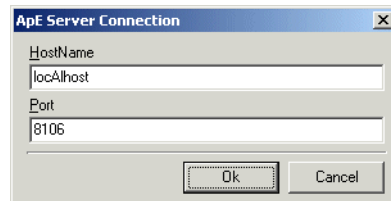
- ▶ Select the **Application Encyclopedia Explorer** entry in the **Peregrine|Desktop Inventory 7.0.0** sub menu of the **Start** menu.

**Note:** Multiple ApE Explorer clients can run concurrently on different workstations, connecting to the same ApE Database.

## Logging in to ApE Explorer

Once you have launched the program, a splash screen is displayed showing the version of the software.

After a few seconds the Ape Explorer login dialog is displayed.



To log in to the Application Encyclopedia Explorer:

- 1 Enter the **Hostname** and **Port** for the Ape Server.

Double check that you have entered the correct details. A failed connection is usually due to incorrect information being entered here.

**Note:** The Hostname is not case sensitive.

- 2 Click **OK** to log in to ApE Explorer.

You are now logged into the ApE Explorer.

## Initial activity

When ApE is first installed, all of the tables in the database are empty and need to be populated. The method used to initially populate a database is to import a **Master.sai** (French.sai, German.sai, if necessary).

---

**Important:** If you are planning to migrate your old ApE database to this version do not import the **Master.sai** file. Refer to the Installation Guide for Upgrade instructions.

---

Refer to *Importing data from an SAI* on page 54 in this chapter for further information on how to do this.

## Configuring the ApE Server

### Where to find the ApE Server ini file

The Application Encyclopedia Server's configuration file **apeserv.ini** can be found by default in the following location:

Peregrine\Desktop Inventory\7.0.0\ApE Server

This file defines the working parameters for the ApE Server.

### The ini file sections

You can configure the following sections in the **apeserv.ini** file:

#### [ApE Server Config]

##### **LogMask=65535**

A mask of the following values determining which severity of server events get logged:

- LOG\_ERROR 0x0001
- LOG\_WARNING 0x0002
- LOG\_INFO 0x0004
- LOG\_STATUS 0x0008
- LOG\_VERBOSE 0x0010

##### **LogFileName=.\apeserv.log**

The path and name of the ApE server log file - not used under Unix as all logging is done to the syslog.

**ClientPort=8106**

The port that the server will listen on for main service clients.

## Viewing log files

You can view the **Apeserv.log** file using any text editor. By default this log file can be found in the following location:

Peregrine\Desktop Inventory\7.0.0\ApE Server



# The Application Encyclopedia Explorer Interface

In this section...

Topic	See
<i>Application Encyclopedia Explorer workspace</i>	page 33
<i>Icons</i>	page 34
<i>Menus</i>	page 35
<i>Toolbars</i>	page 36

## Application Encyclopedia Explorer workspace

Once login has been successful and you have imported data from the Master SAI, you will see data in the Application Encyclopedia Explorer.

ApE Explorer displays a hierarchical structure of software publishers, application names, release labels, application versions and files contained in the ApE database.

The screenshot shows the ApE Explorer application window. The left pane displays a hierarchical tree view of software publishers and their applications. The right pane displays a detailed list of files with columns for Name, Size, Care..., Relation To..., Signature, and Executable.






Labels and their corresponding elements in the interface:

- Software Publisher:** Points to the root of the tree view.
- Application Name:** Points to a folder in the tree view.
- Release Label:** Points to a sub-folder within the application name.
- Version:** Points to a file within the release label.
- Main and Associated files related to that version:** Points to a group of files in the right pane.

Name	Size	Care...	Relation To...	Signature	Executable
analysis workbench.exe	5671424	Yes	Main	587E-F774	Win 32 Exe
ape client.exe	4448256	Yes	Main	28C1-ED90	Win 32 Exe
apeserver.exe	1050624	Yes	Main	1004-ED0A	Win 32 Exe
apeupdate.exe	685568	Yes	Associated	48DA-DA79	Win 32 Exe
apeweb.exe	520464	Yes	Main	E118-E8E8	Win 32 Exe
cascade update 51 to 60.exe	299520	Yes	Associated	68FE-5924	Win 32 Exe
cascade.exe	2192896	Yes	Main	EA56-B954	Win 32 Exe
cascclg.exe	1473024	Yes	Associated	7800-41B2	Win 32 Exe
casccmd.exe	395840	Yes	Associated	F6B1-B3C9	Win 32 Exe
fbak.exe	32256	Yes	Associated	BE63-8988	Win 32 Exe
lmerge.exe	33280	Yes	Associated	052C-CD13	Win 32 Exe
lsplit.exe	32256	Yes	Associated	BCFE-1B53	Win 32 Exe
gbak.exe	181248	Yes	Associated	6F00-61FD	Win 32 Exe
ibaseturning.dll	23040	Yes	Associated	ADAA-2A73	Win 32 Exe
iddkind.exe	2080	Yes	Associated	6832-1196	DOS Exe
licence manager.exe	534528	Yes	Associated	6179-5430	Win 32 Exe
log viewer.exe	766224	Yes	Associated	65BA-1857	Win 32 Exe
mifen.exe	396352	Yes	Main	1AE4-778F	Win 32 Exe
migrate.exe	237328	Yes	Associated	39CD-87FE	OS/2 32 Exe
odbc16gt.dll	26224	Yes	3rdParty	A9E-74F7F	Win 16 DLL
pg011ant.dll	9216	Yes	Associated	F7F8-D550	Win 32 Exe
pg011w32.dll	307200	Yes	Associated	E139-355C	Win 32 Exe
pg011os2.dll	17435	Yes	Associated	1F60-E98D	OS/2 32 DL
pg011w16.dll	19590	Yes	Associated	240A-8695	Win 16 DLL
pg011w32.dll	24576	Yes	Associated	9C57-C0C7	Win 32 Exe
pg012os2.dll	2808	Yes	Associated	5368-7D2F	OS/2 32 DL
pg012w16.dll	2684	Yes	Associated	C5E8-719D	Win 16 DLL
pg012w32.dll	7680	Yes	Associated	32E8-F6ED	Win 32 Exe
sai update wizard.exe	768000	Yes	Associated	8242-B77A	Win 32 Exe
scandos.exe	336276	Yes	Associated	B283-578A	DOS Exe
scanner generator.exe	1564160	Yes	Main	7E80-F43E	Win 32 Exe
scanos2.exe	500281	Yes	Associated	7350-2136	OS/2 32 Exe
scanovl.exe	722876	Yes	Associated	6068-6C80	DOS Exe
scanr32.exe	439902	Yes	Associated	EE05-6BF0	Win 32 Exe
scanw16.exe	625257	Yes	Associated	DDA8-D8B0	Win 16 Exe
scanw32.exe	1192096	Yes	Associated	79D2-F39D	Win 32 Exe

## Icons

Icons are used to represent the various elements of the database.

Icon	Element
	Software Publisher
	Application Name
	Release Label
	Application Version
	File

# Menus

## The Item menu

Menu item	Description
New	Depending on what has been selected in the panes, this option will display a dialog that enables you to create a new item in that category. For example, if you have selected a version and you select <b>New</b> , then the <b>New File</b> dialog is displayed.
Expand	Expand the tree under the point you have selected
Delete	Deletes the currently selected item. A confirmation message is displayed.
Properties	Displays a properties dialog that shows the characteristics and parameters for the selected item. You can edit the entries in this dialog.
Edit Version Relations	Displays a Version Relation Editor that allows you to establish a version relation between two or more applications. This option is only displayed when you click on a version in the tree.
Get Install String from scan file...	Allows you to obtain the Windows install string from a scan file. This option is only displayed when you click on a version in the tree.
Import version data from a Datafile	Displays a wizard that allows the import of data from the scan files (.fsf or xml.gz). This options can be chosen from either the Item menu or by right-clicking on a version in the tree.
Connect to Server	Establishes a connection with the Ape Server
Disconnect from Server	Disconnect from the Ape Server
Exit	Exit the ApE Explorer

## The View menu

This menu contains only one option:

### Refresh F5

Updates the display with the current information from the database.

## The Tools menu

Menu item	Description
Import/Export SAI...	<p>This option has two purposes:</p> <ul style="list-style-type: none"> <li>■ Allows the import of data from the SAI files into the Application Encyclopedia database.</li> <li>■ Allows the export of data from the Application Encyclopedia database to a customer read-only SAI file that can be used for recognition in Analysis Workbench and Viewer.</li> </ul>
Verify Recognition...	<p>This feature allows you to load in a scan file and check what the recognition results will be. You can also use this feature to add versions from the scan file directly to the ApE database.</p>
Search for Files...	<p>Allows you to search the database for a named file.</p>

## Help menu







The Help menu contains options for displaying the About box and the Online Help.

## Toolbars

Toolbars allow you to access various commands without using the menu.

- ▶ Click on the toolbar icon to activate the function associated with it.

Buttons in the ApE Explorer toolbar offer the following functionality:

Icon	Name	Function
	Expand	Expands the tree under the point you have selected
	New	Depending on what has been selected in the panes, this option will display a dialog that enables you to create a new item in that category.
	Properties	Displays a properties dialog that shows the characteristics and parameters for the selected item. You can edit the entries in this dialog.
	Delete	Deletes the currently selected item. A confirmation message is displayed.
	Import/Export SAI	Displays a wizard that allows the import of data from the SAI files into the Application Encyclopedia database and the export of data from the Application Encyclopedia database to a customer read-only SAI file.
	Search for files in the ApE database	Allows you to search the database for a named file.

**Note:** When the mouse pointer passes over an icon, a tooltip appears indicating the command corresponding to the icon.

# Using the ApE Explorer

## In this section...

<b>Topic</b>	<b>Page</b>
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<i>Displaying information about software applications</i>	page 39
<i>Searching for files</i>	page 40
<i>Adding a new software publisher</i>	page 41
<i>Deleting an existing software publisher</i>	page 44
<i>Editing the properties for a software publisher</i>	page 44
<i>Adding a new software application</i>	page 45
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<i>Moving a software application to another publisher</i>	page 46
<i>Adding a new release label</i>	page 47
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## Viewing information in the APE Explorer

ApE Explorer displays a hierarchical structure of software publishers, application names, release labels, application versions and files contained in the ApE database.

### Software publisher

This is the name of the company or corporation that released the software application. For example, Peregrine Systems, Inc. is a software publisher.

### Application Name

This is the name of the software program. For example, Desktop Inventory is an application name.

### Release Label and Application Version

When a publisher releases updates for an existing version of one of their products, they typically don't change the name of that version. Any particular version of a product could have several updates to it. In this scenario, ApE refers to the umbrella version as the Release Label, and to each of the updates as a Version.

It is not necessary that every version of software has a release label. In fact, most of them do not. Every version without a release label is associated to a virtual **Standalone Releases** label.

### Files

Each file in the ApE database is categorized as Main, Associated or 3rd Party. For an explanation of these file categories please refer to *Recognition file types* on page 21.

## Displaying information about software applications

To display information about software applications:

- 1 Click on the + sign next to a **Publisher** in the tree. You can also use the **Expand** option in the **Item** menu.

All the **Applications** by that software publisher are shown. A detailed view of the software applications is shown in the right pane.

- 2 Expand an application to display the **Release Labels** for it. A detailed view of the Release Labels is shown in the right pane.


- 3 Expand the tree further to display the **Versions** of that particular software application release that are in the database. Details for the software versions are shown in the right pane.
- 4 Click on a version of the software to display the **main, associated** and **3rd Party Files** for that version in the right pane.

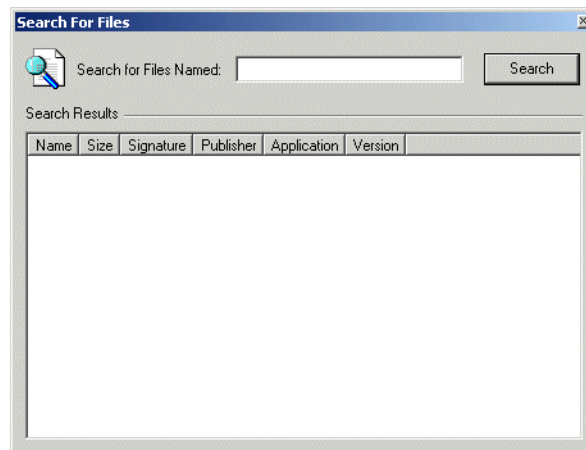
### In summary

- When a software publisher is selected, the applications associated with that publisher are displayed in the right pane.
- When a software application is selected, the release labels associated with that application are displayed in the right pane.
- When a software release label is selected, the versions associated with that release label are displayed in the right pane.
- When a software version is selected, the files associated with that version are displayed in the right pane.

## Searching for files

To search for a file in the ApE Database:

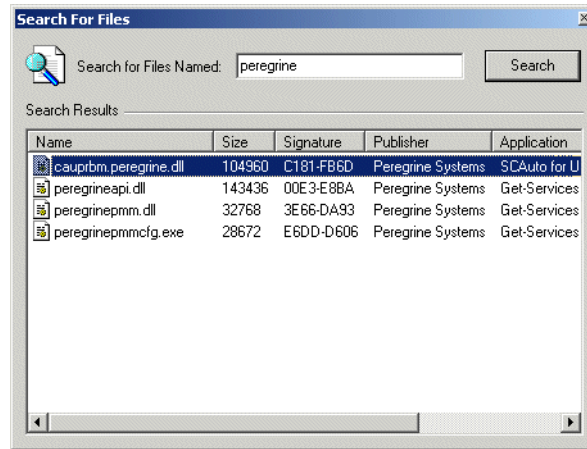
- 1 Click the  icon or select the **Search for Files...** option from the **Tools** menu. The following dialog is displayed:



- 2 In the **Search for Files Named** field, type all or part of the file name or folder you want to find.



- Click the **Search** button. The results will be displayed in the **Search Results** pane.



- Double click on an entry to go directly to that file in the ApE Explorer window.

### Using wildcard characters

You can use the asterisk as a substitute for one or more characters. If you are looking for a file that you know starts with **Pereg** but you cannot remember the rest of the file name, you can type the following:

**Pereg\***

The **Search for Files** dialog box will locate all files of any file type that begin with **Pereg** including **Peregaine.txt** and **Peregaine.dll**. To narrow the search to a specific type of file, type:

**Pereg\*.dll**

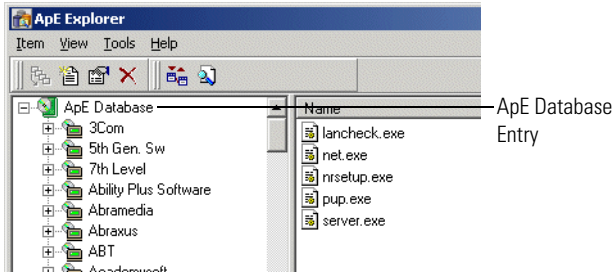
In this case, the **Search for Files** dialog box will find all files that begin with **Pereg** but have the file extension **.dll**, such as **Peregaine.dll** and **Pereggr.dll**.


## Adding a new software publisher

This procedure is used to add a new software publisher to the ApE database.

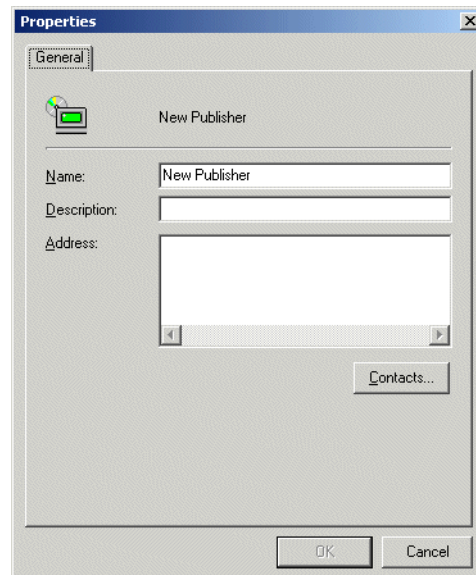
### To add a new software publisher:

- 1 Right-click on the Ape Database entry in the tree. It is the first entry (the root) of the tree.



- 2 Select the New... option. You can also select the New option from the Item menu or click the  toolbar icon.

The New Publisher Properties box appears:



Enter the Name, Description and Address (if known) for the new software publisher.

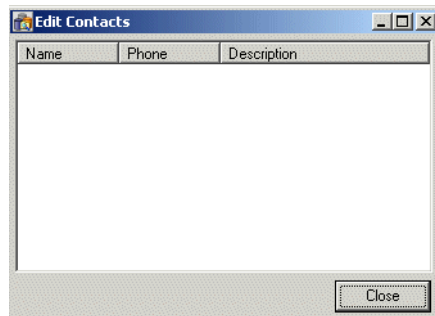
---

**Warning:** Ensure that the Publisher Name is spelled correctly. Before adding a publisher name to the database, check whether the entry for the publisher already exists in the database.

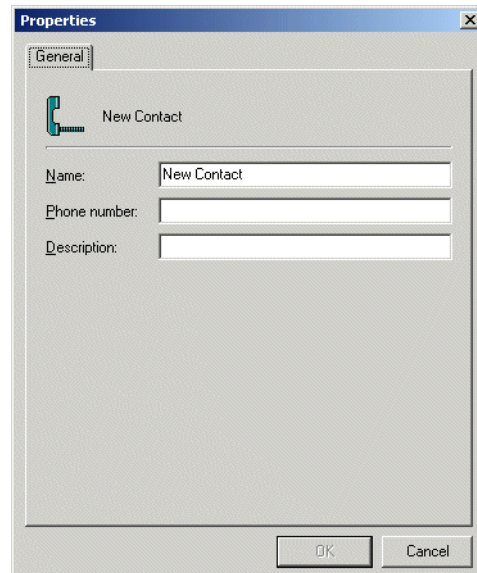
---

- 3 Click the **Contacts** button if you want to add contact details for the software publisher (otherwise go to step 8).

The **Edit contacts** dialog appears:

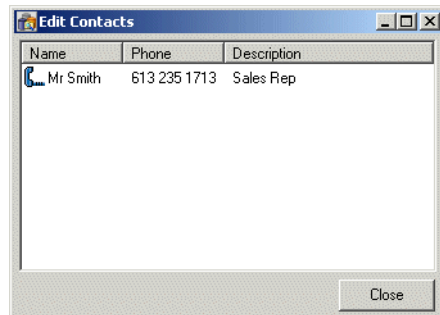


- 4 Either double-click in the pane, or right-click and select the **New...** option. The **New Contact Properties** box is displayed.



- 5 Enter the Name, Phone Number and Description for the software publisher contact.

- Click OK. The contact details now appear in the **Edit Contacts** box.



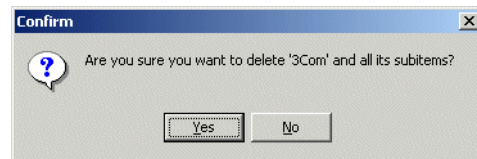
- Click the **Close** button. You are returned to the **New Publisher Properties** dialog.
- Click **OK**.  
Once the new publisher is added, its details are displayed in the tree.

## Deleting an existing software publisher

This procedure is used to delete an existing software publisher from the ApE database.

**To delete an existing publisher:**

- In the tree, right-click on the software publisher to be deleted.
- Select the **Delete** option. You can also select the **Delete** option from the **Item** menu or click the toolbar icon.  
A confirmation message is displayed.




- Click **Yes** to delete the software publisher and all its associated sub-items.

## Editing the properties for a software publisher

This procedure is used to edit the contact details and other properties for a software publisher.

- In the tree, right-click on the software publisher to be edited.

- 2 Select the **Properties** option. You can also select the **Properties...** option from the **Item** menu or click the  toolbar icon.

The **Publisher Properties** box appears.


- 3 Edit the details as required. Click the **Contacts...** button to edit the contact details for the software publisher.
- 4 Click the **OK** button to complete the edit.

Once the publisher details have been edited, the amended details are displayed in the tree.

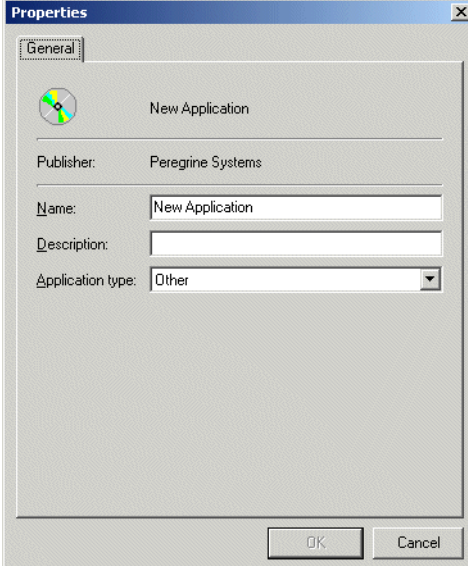
## Adding a new software application

This procedure is used to add a new software application to the ApE database.

**To add a new software application:**

- 1 In the tree, right-click on the software publisher the application belongs to.
- 2 Select the **New...** option. You can also select the **New** option from the **Item** menu or click the  toolbar icon.

The **New Application Properties** box appears:



The screenshot shows a 'Properties' dialog box with the following fields and values:

- General** tab selected.
- New Application** icon and text.
- Publisher:** Peregrine Systems
- Name:** New Application
- Description:** (empty text box)
- Application type:** Other (dropdown menu)
- Buttons:** OK, Cancel

Enter the following information:

- a **Name**

The name of the new application (must be entered)

**b Description**

A text description indicating the application activity (optional).

**c Application Type**

From the pull-down list select the software category that the application falls under (for example, word processor, spreadsheet etc.).

- 3 Click OK to add the new application to the database.

---


**Warning:** Ensure that the application is spelled correctly. Before adding the application, check whether this application already exists in the database.

---

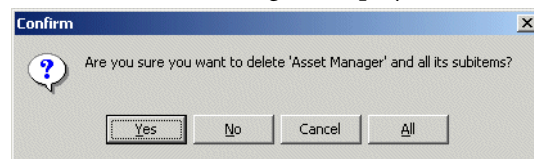
## Deleting a software application

This procedure is used to delete an existing software application from the ApE database.

**To delete an existing application:**

- 1 In the tree, right-click on the software application to be deleted.
- 2 Select the **Delete** option. You can also select the **Delete** option from the Item menu or click the  toolbar icon.

A confirmation message is displayed.



- 3 Click Yes to delete the software application and its associated sub-items.

## Moving a software application to another publisher

You can move an application so that is contained under another software publisher.


**To move a software application:**

- ▶ Drag and drop the application onto the software publisher entry in the tree.

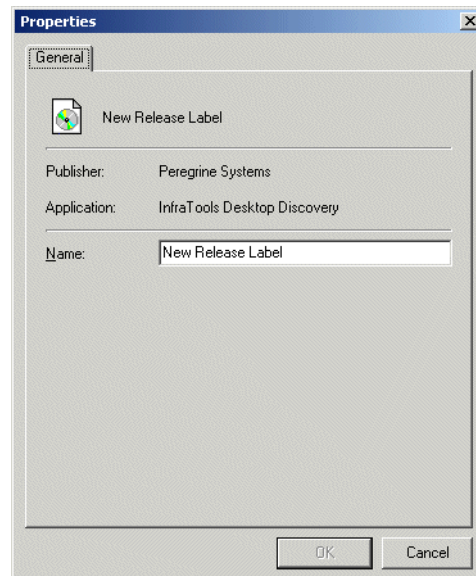
## Adding a new release label

This procedure is used to add a new software release label to the ApE database.

To add a new software release label:

- 1 In the tree, right-click on the software application the release label belongs to.
- 2 Select the New... option. You can also select the New option from the **Item** menu or click the  toolbar icon.

The New Release Label Properties box appears:



Enter the name of the new release label (must be entered)

- 3 Click OK to add the new application to the database.

---

**Warning:** Ensure that the release label is spelled correctly. Before adding the release label, check whether it already exists in the database for this application.


---

## Deleting an existing release label

This procedure is used to delete an existing software release label from the ApE database.

**Note:** You cannot delete the **Standalone Releases** release labels. These are the default release labels.


**To delete an existing software release label:**

- 1 In the tree, right-click on the software release label to be deleted.
- 2 Select the **Delete** option. You can also select the **Delete** option from the **Item** menu or click the  toolbar icon.  
A confirmation message is displayed.
- 3 Click **Yes** to delete the software release label and its associated sub-items.

## Editing the properties for a release label

This procedure is used to edit the properties for a software release label.


**To edit the properties for a release label:**

- 1 In the tree, right-click on the release label to be edited.
- 2 Select the **Properties** option. You can also select the **Properties...** option from the **Item** menu or click the  toolbar icon.  
The **Release Label Properties** box appears.
- 3 Edit the name as required (this is the only property you can edit for a release label).
- 4 Click the **OK** button to complete the edit.  
Once the release label details have been edited, the amended details are displayed in the tree.

## Adding a new software version

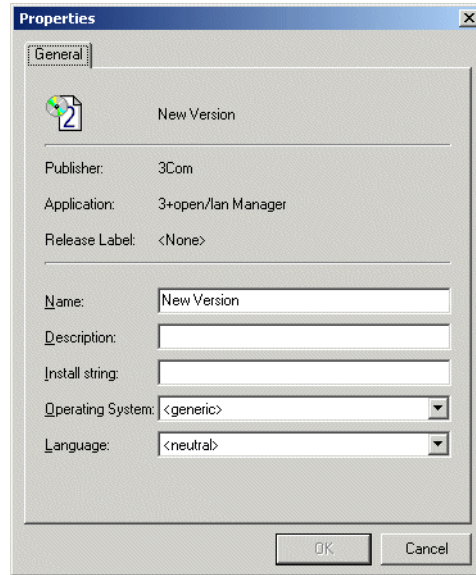
This procedure is used to add a new software version to the ApE database.

**To add a new software version:**

- 1 In the tree, right-click on the software release label the version belongs to.
- 2 Select the **New...** option. You can also select the **New** option from the **Item** menu or click the  toolbar icon.



The New Version Properties box appears:



3 Enter the following details:

**a Name**

Name of the new version (must be entered)

**b Description**

This is a user defined field that can contain any text.

**c Install String**

This is the line that the version writes to the add/remove programs list when it is installed.

**d Operating System**

The Base Operating System of the application version (for example, Windows NT). Select the Base OS from the drop-down list.

**e Language**


Select the language of the application version from the drop-down list.

4 Click OK to add the new application to the database.

## Deleting an existing software version

This procedure is used to delete an existing software version from the ApE database.


### To delete an existing version:

- 1 In the tree, right-click on the software version to be deleted.
- 2 Select the **Delete** option. You can also select the **Delete** option from the **Item** menu or click the  toolbar icon. You can also select multiple versions for deletion by holding down the **Shift** key while selecting them.  
A confirmation message is displayed.
- 3 Click **Yes** to delete the software version and its associated sub-items.

## Editing the properties for a software version

This procedure is used to edit the properties for a software version.

### To edit the properties for a software version:

- 1 In the tree, right-click on the version to be edited.
- 2 Select the **Properties** option. You can also select the **Properties...** option from the **Item** menu or click the  toolbar icon.  
The **Version Properties** box appears.
- 3 Edit the details as required:
  - a **Name**  
Name of the new version (must be entered)
  - b **Description**  
This is a user defined field that can contain any text.
  - c **Install String**  
This is the line that the version writes to the add/remove programs list when it is installed.
  - d **Operating System**  
The Base Operating System of the application version (for example, Windows NT). Select the Base OS from the drop-down list.
  - e **Language**  
Select the language of the application version from the drop-down list.
- 4 Click the **OK** button to complete the edit.  
Once the version details have been edited, the amended details are displayed in the tree.

## Moving a software version to another release label

You can move a software version and its contents so that is contained under another release label.

**To move a software version:**

- ▶ Drag and drop the version onto the software release label entry in the tree.

## Adding a new file


---

**Warning:** This method is not recommended for teaching files, because it is very prone to errors. Many file characteristics have to be added manually. The recommended method is to import files from data scan files. See *Teaching new applications to the ApE database* on page 60

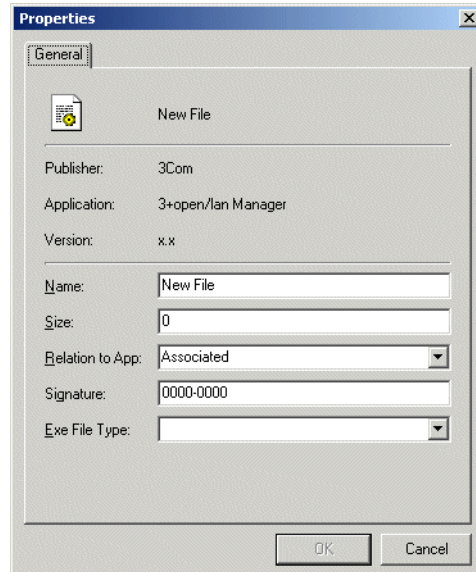
---

This procedure is used to add a new file to the ApE database.

**To add a new file:**

- 1 In the tree, right-click on the software version that the file belongs to.
- 2 Select the New... option. You can also select the New option from the Item menu or click the  toolbar icon.

The New File Properties box appears:



3 Enter the following details:

**a Name**

Name of the new file (must be entered)

**b Size**

The size of the file

**c Relation to App:**

Whether the file is a Main, Associated or 3rd Party file. See *Recognition file types* on page 21 for definitions of these terms.

**d Signature**

The signature is a checksum of the first 8 Kilobyte of a file.

**e Exe File Type**

The type of executable file (for example, DOS com, DOS exe).

4 Click OK to add the new file to the database.

---


**Warning:** Ensure that the file name is spelled correctly. Before adding the file, check whether it already exists in the database for this version.

---

## Deleting an existing file

This procedure is used to delete an existing file from the ApE database.


**To delete an existing file:**

- 1 In the tree, right-click on the file to be deleted.
- 2 Select the **Delete** option. You can also select the **Delete** option from the **Item** menu or click the  toolbar icon. You can also select multiple files for deletion by holding down the **Shift** key while selecting them.  
A confirmation message is displayed.
- 3 Click **Yes** to delete the software file.

## Editing the properties for a file

This procedure is used to edit the properties for a file.

**To edit the properties for a file:**

- 1 In the right pane navigate to and right-click on the file to be edited.
- 2 Select the **Properties** option. You can also select the **Properties...** option from the **Item** menu or click the  toolbar icon.  
The **File Properties** box appears.
- 3 Edit the details as required:
  - a Name**  
Name of the new file (must be entered)
  - b Size**  
The size of the file
  - c Relation to App:**  
Whether the file is a Main, Associated or 3rd Party file. See *Recognition file types* on page 21 for definitions of these terms.
  - d Signature**  
The signature is a checksum of the first 8 Kilobytes of a file.
  - e Exe File Type**  
The type of executable file (for example, DOS com, DOS exe).
- 4 Click the **OK** button to complete the edit.

Once the file details have been edited, the amended details are displayed in the tree.

## Importing data from an SAI

This procedure takes you through the steps required to import the data from a SAI file into the database.

This procedure can be used either to perform an initial database load or to allow User SAI files or updated Master SAI files to be added to the existing ApE database.

The following types of SAI files can be imported into the Application Encyclopedia database:

- The Master database is supplied to customers in the form of three SAIs:
  - Master SAI
  - French SAI
  - German SAI

The French and German SAI files are also exports from the Master database.


- User editable SAIs (**User.sai**) which are created by the Analysis Workbench. You may have taught new applications to your User SAI in Analysis Workbench. You can import this file into your own ApE database to make sure that these changes are included.
- Read Only SAIs are exports from a customer ApE database. They contain everything that was in the database. They can be imported into the ApE database, for example, when you are upgrading from InfraTools Desktop Discovery 6.xx to Desktop Inventory 7.0.0.

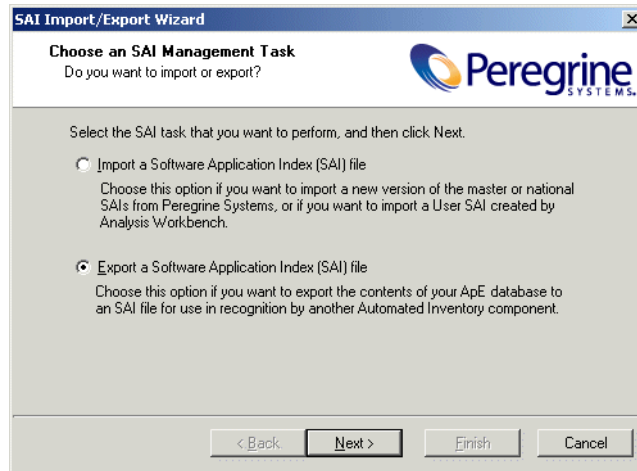
---

**Warning:** When upgrading, the Read Only SAI has to be imported before the latest Master.SAI. Importing the SAI on top of existing data will wipe out the entire database.

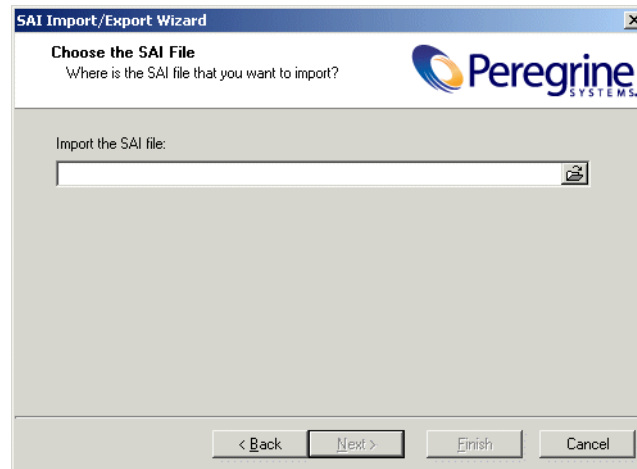
---

## To import data from an SAI:

- 1 Click the  toolbar button or select the **Import/Export SAI** option from the Tools menu. The SAI Import/Export Wizard is displayed:

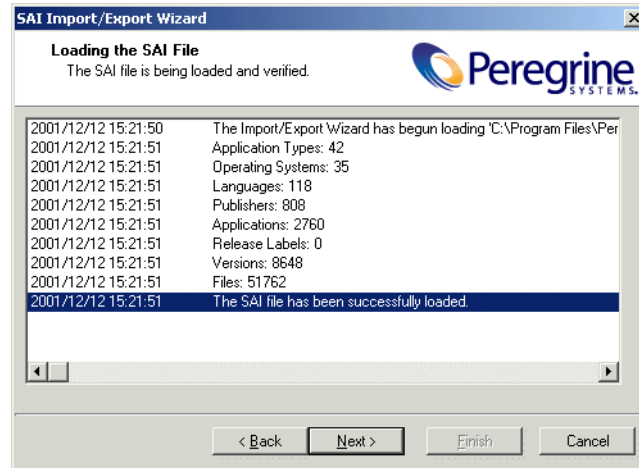


- 2 Select the **Import a Software Application Index (SAI) file** option.
- 3 Click **Next** to continue. The second page of the wizard appears.



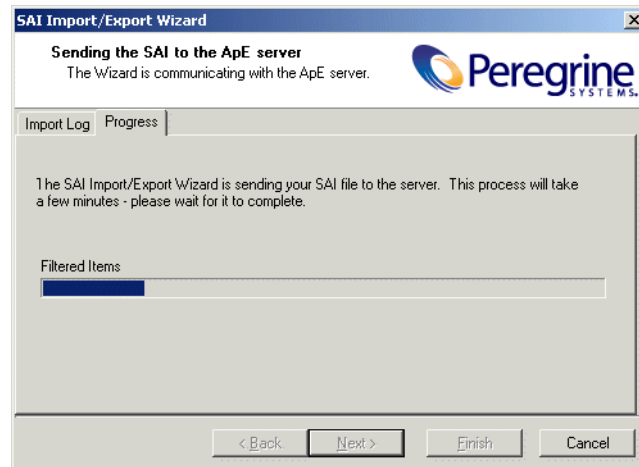
- 4 Navigate to the SAI file that the data is to be imported from. The default location for the Master SAI is  
**Program Files\Peregrine\Desktop Inventory\7.0.0\Common\Master.sai**

- Click **Next** to continue. The third page of the Wizard appears.



This page shows the SAI being loaded and verified. It shows the numbers of application types, operating systems, languages, publishers, applications, release labels, versions and files that were loaded from the SAI.

- Once it has finished this process, click the **Next** button to continue. The fourth page of the Wizard appears.

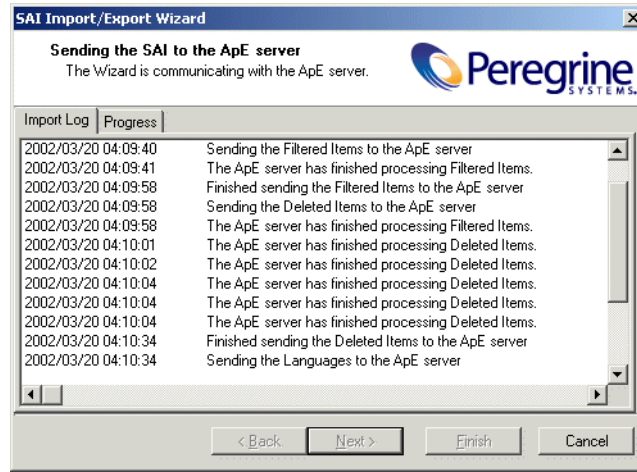


This page shows the progress of the actual import. The contents of the SAI file are sent to the ApE Server.

- Once the import process is complete, you can view a log of the events that took place by clicking the **Import Log** tab.



**Note:** The log is also available during the import procedure.




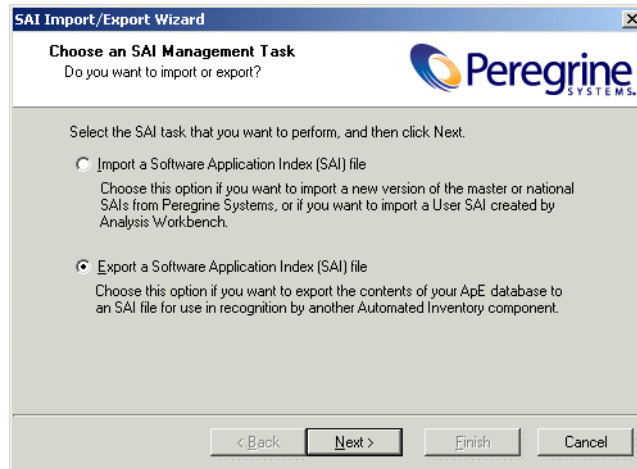
- 8 Click the **Finish** button. The import is now complete and the results can be seen in the ApE Explorer workspace.

## Exporting data to an SAI

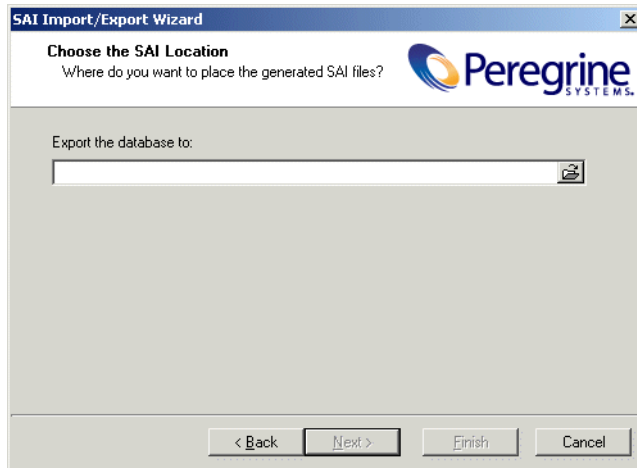
Allows you to export data directly from the Application Encyclopedia database to a Read Only SAI that can be used for recognition in Analysis Workbench or Viewer.

## To export data from an SAI:

- 1 Click the  toolbar button or select the **Import/Export SAI** option from the Tools menu. The SAI Import/Export Wizard is displayed:

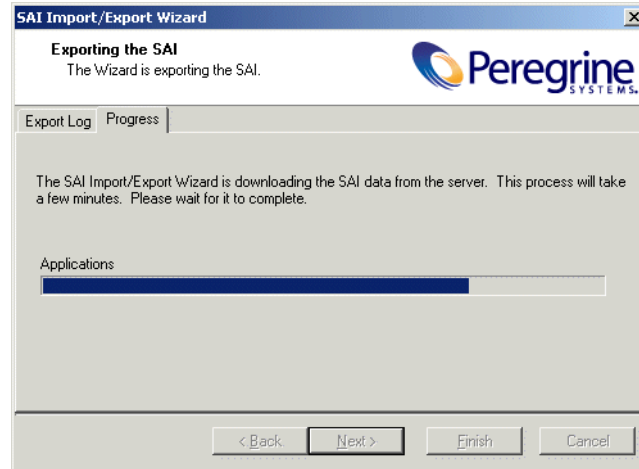


- 2 Select the **Export a Software Application Index (SAI) file** option.
- 3 Click **Next** to continue. The second page of the wizard appears.

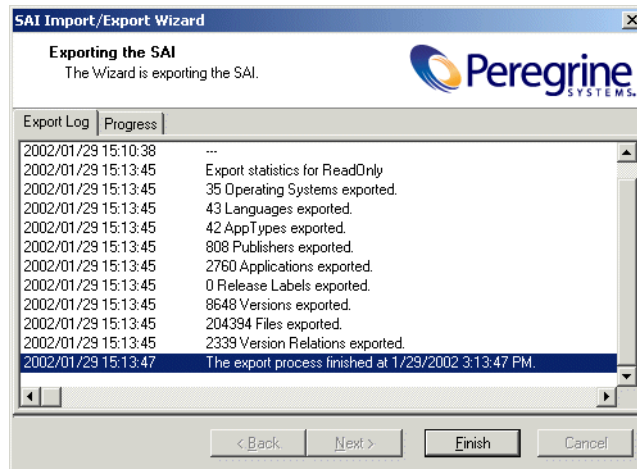


- 4 Navigate to the location that the data is to be exported to.

- 5 Click **Next** to continue. The following page is displayed:



This page shows the progress of the export to the SAI. You can click between the **Progress** and **Export Log** tab pages.



If you should encounter any errors, these will be shown on the **Export Log** page.

- 6 Once the export is complete, click the **Finish** button to end the export process. A new **Read Only SAI** file will have been created in the location you specified. This file can now be used for recognition in Analysis Workbench or Viewer. It will contain Master SAI entries as well as entries added by you.

## Teaching new applications to the ApE database

See *Manually updating your ApE database (teaching)* on page 17 for detailed information about the planning of a teaching project.

### Before you start...

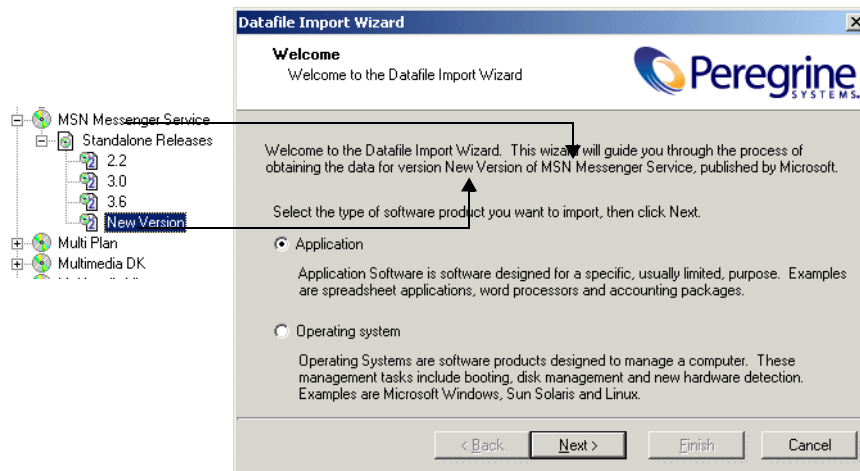
Before you start this procedure, ensure that you have done the following:

- Started with a scan of a machine before the application is installed.
- Installed the application
- Taken a scan of the machine after the application has been installed.

### To teach new application to the ApE database

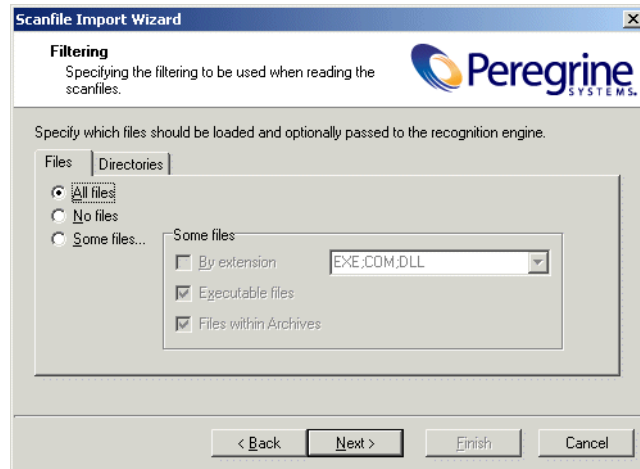
- 1 Create a new version for the application in the ApE Explorer, unless you want to add files to an existing version.
- 2 Click on the version in the tree view and select the **Import version data from Datafile** option from the **File** menu. The **Datafile Import Wizard** appears.

Depending on what entry you clicked in the tree, the information on the pages of the wizard will reflect this. In the following example, we have created a new version of MSN Messenger Service. In the tree and wizard it looks like the following:



- 3 You now have the choice of two options to specify whether the files belong to an application or operating system. Select the **Application** option. Application Software is software designed for a specific, usually limited purpose. Example are spreadsheet applications, word processors etc.

- 4 Click **Next >** to continue. A **Filtering** dialog is displayed. Set options in this dialog to specify which files should be loaded and optionally passed to the recognition engine.



- 5 In the **Files** tab page, select the **Load** filter, select one from the following options:

- a **All files** Loads all files.
- b **No files** No files are loaded. For example, for hardware only analysis.
- c **Some files** Enables the **Some files** options:

**By extension...** This allows you to specify the extensions of any files that you want to be included. Select the extensions from the drop-down list (this list maintains a history of previously entered extensions) or type the extension directly in to the box. Multiple extension must be separated by semi colons.

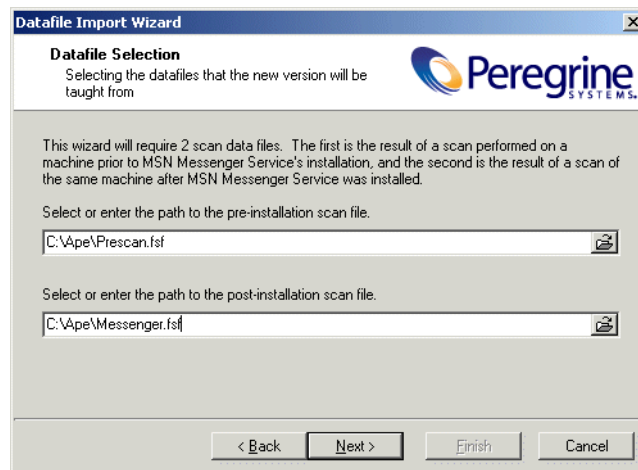
**Executable files** This will allow all executable files to be processed against the recognition engine. Executable files include \*.exe, \*.com files, DLLs and other files containing executable code.

**Files within Archives** This will process any files in archive files (for example, Zip files, CAB, LZH etc.). When this option is checked, any files matching the other criteria (extension and/or executable) are loaded, even if they are inside an archive. If the option is cleared, no files within archives are loaded.

If this is the only option enabled, nothing is loaded - it is not possible to load only files within archives.

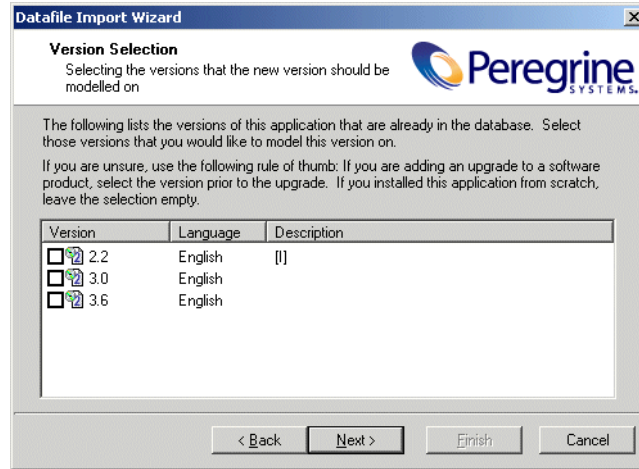
- 6 In the **Directories** tab page, specify the directories to exclude.

- 7 Select the **Exclude files in these directories** check box.
- 8 Place the cursor in the list box and type in the path (do not include the drive letter) of the directories to be excluded. An example of the format is as follows:  
`\WinNT\$\NTServicePackUninstall$`
- 9 You can save the current list displayed in the list box. To do this, click the **Save list...** button and specify the filename and path of the text file to save to. The default filename is **dirlist.txt**.
- 10 You can load a previously saved text list file by clicking the **Load list...** button to display a dialog box. Enter the filename and path or navigate to the file to be loaded.
- 11 Click **Next** to continue. The **Datafile Selection** dialog is displayed.



- 12 The wizard requires two scan files. The first scan file is the result of a scan performed on a machine prior to the installation of the program (in this case MSN Messenger Service) and the second is the result of the scan of the same machine after the new version of MSN Messenger Service was installed. Enter the paths as required.

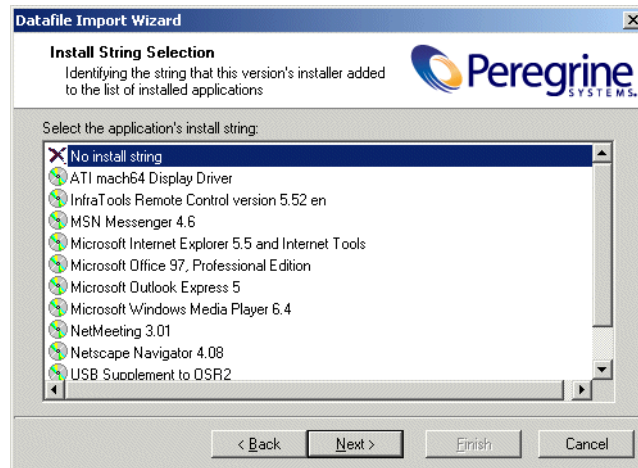
### 13 Click the Next button



- 14 The wizard displays any versions of the software already contained in the ApE database. You can select versions you want to model this installation on. If you are unsure, use the following rule of thumb.

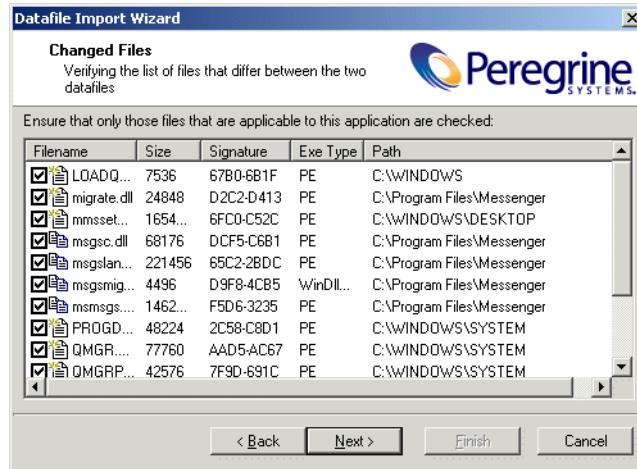
If you are adding an upgrade to a software product, select the version prior to the upgrade. If you installed this application from scratch, leave the selection empty.

- 15 Click Next to continue.



- 16 Highlight and select the string that this version's installer added to the list of installed applications.

17 Click Next to continue.



18 This page shows files the teacher has picked up that differ between the two scan files. Check the files applicable to this application only. Different icons are used to denote the following: .

Icon

Meaning

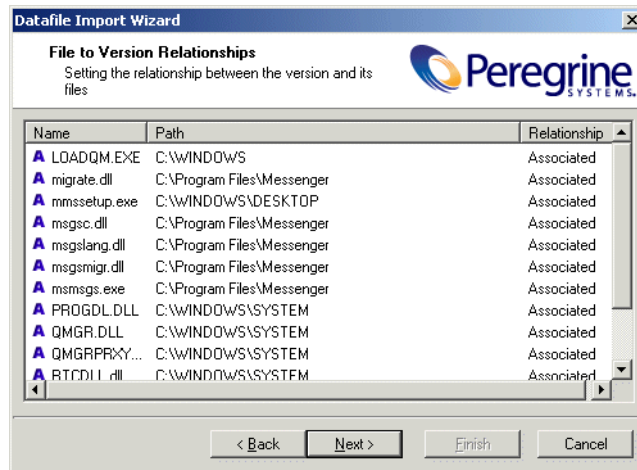


New file added by the installation.






File changed by the installation.

19 Click Next to continue.

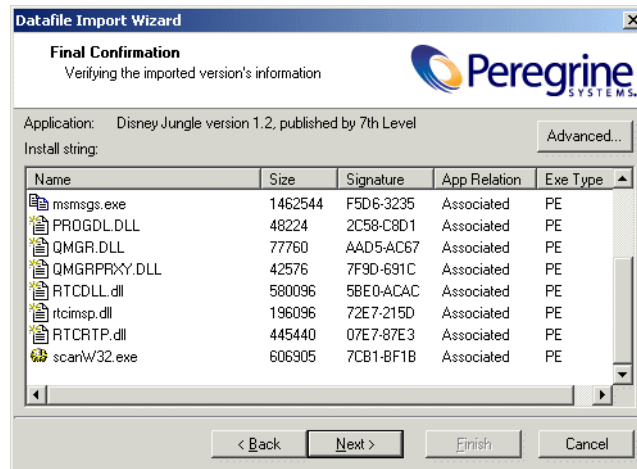







- 20 Set the relationship between the version and its files. Right click on an entry and you will see a menu which allows you to categorize the type of the file. You can also use the space bar or click on an icon to cycle through the various possibilities.

Icon	File type	Meaning
	Main	This is a key application file, i.e. it is a file without which the application could not be running. It should always be present whenever the application is installed regardless of whether it is a minimum or complete installation.
	Associated	This is a non-key file that is part of the application and is written by the publisher that developed the product.
	3rd Party	This is a file written by another Publisher (3rd Party) and is used in the current application. An example of a 3rd party files is some DLL files that are technically used by the application, but are also distributed freely and can be used by other applications.

- 21 Check the list of files and the status they have been given. If necessary, change them as required.
- 22 Click **Next** to continue.

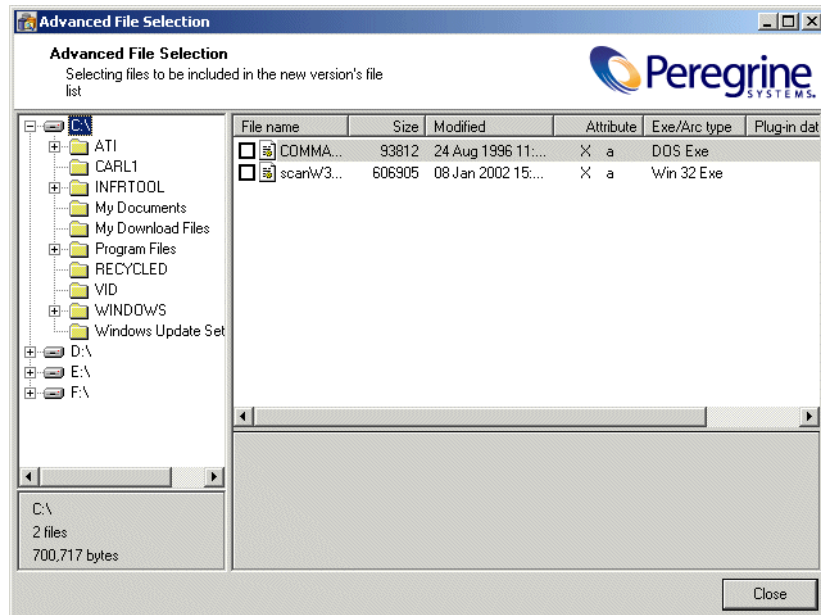


- 23 This page is the final confirmation page. It asks you to verify the imported version's information. It shows the application name and publisher, the install string as shown in the installed applications list and a list of files. Different icons are used to denote the following: .

Icon	Meaning
	New file added by the installation.
	File that was changed by the installation.
	File was selected in the <b>Advanced</b> selection, not in the standard wizard pages.

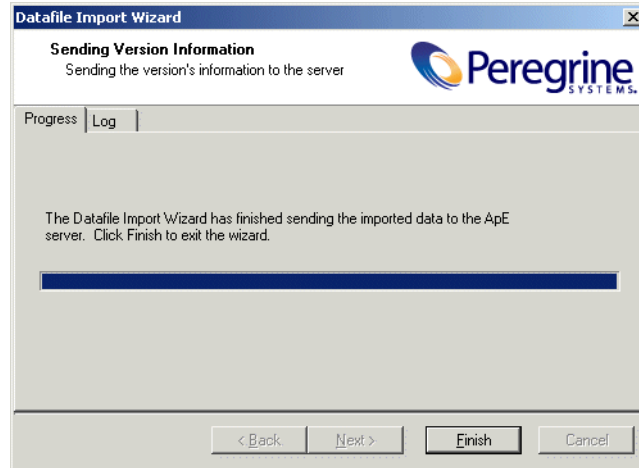
### Advanced configuration

- 24 Click the **Advanced...** button. Now another window is displayed.



This is an explorer style window which allows you to select files that were found relating to the version in the scan file loaded. It provides you with a view of the whole scan file, so you can add whatever you want. If you browse to the files already included by the wizard, you will see that they are already checked.

- 25 Click the Next button to continue.



- 26 The wizard sends the details you entered to the ApE server and the data is imported into the ApE database.
- 27 Click **Finish** to exit the wizard.
- You have now taught an application to the ApE database.

## Teaching new operating systems to the ApE database

See *ApE database maintenance* on page 13 for detailed information about the planning of a teaching project.

### Before you start...

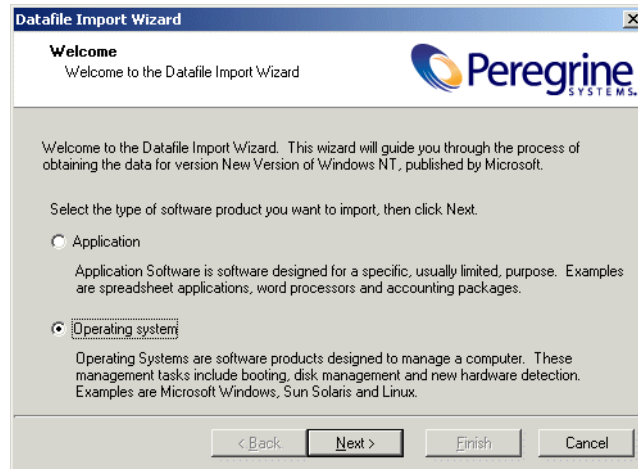
Before you start this procedure, ensure that you have done the following:

- Created a new version for the Operating System in the ApE Explorer, unless you want to add files to an existing version.

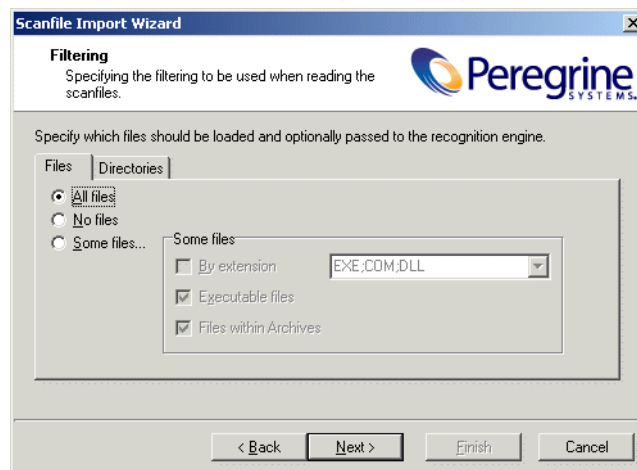
### To teach an operating system to the ApE database

- 1 Click on the version for the Operating System in the tree view and select the **Import version data from Datafile** option from the **File** menu. The **Datafile Import Wizard** appears.

- Depending on what entry you clicked in the tree, the information on the pages of the wizard will reflect this. In the following example, we have created a new version of Windows NT.



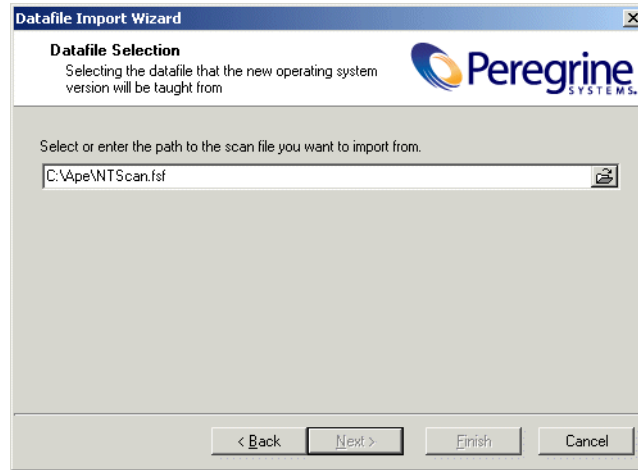
- You now have the choice of two options to specify whether the files belong to an application or operating system. Select the **Operating system** option. Operating Systems are software products designed to manage a computer. These management tasks include booting, disk management and new hardware detection. Examples are Microsoft Windows, Sun Solaris and Linux.
- Click **Next>** to continue. A **Filtering** dialog is displayed.
- Set options on this dialog to specify while files should be loaded and optionally passed to the recognition engine.



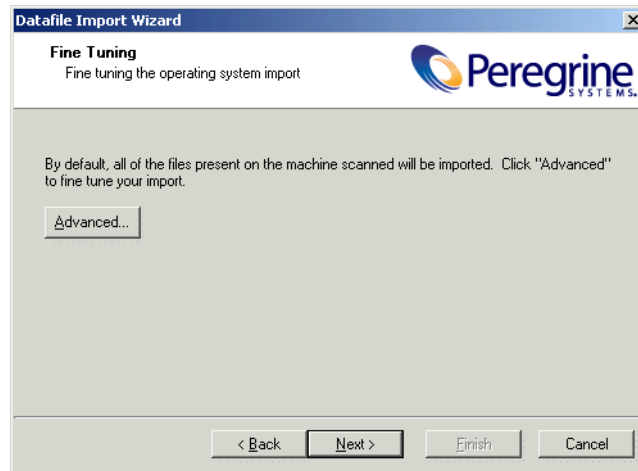
- 6 In the **Files** tab page, select the **Load filter**, select one from the following options:
  - a **All files** Loads all files.
  - b **No files** No files are loaded. For example, for hardware only analysis.
  - c **Some files** Enables the **Some files** options:
    - By extension...** This allows you to specify the extensions of any files that you want to be included. Select the extensions from the drop-down list (this list maintains a history of previously entered extensions) or type the extension directly in to the box. Multiple extension must be separated by semi colons.
    - Executable files** This will allow all executable files to be processed against the recognition engine. Executable files include \*.exe, \*.com files, DLLs and other files containing executable code.
    - Files within Archives** This will process any files in archive files (for example, Zip files, CAB, LZH etc.). When this option is checked, any files matching the other criteria (extension and/or executable) are loaded, even if they are inside an archive. If the option is cleared, no files within archives are loaded.

If this is the only option enabled, nothing is loaded - it is not possible to load only files within archives.
- 7 In the **Directories** tab page, specify the directories to exclude.
- 8 Select the **Exclude files in these directories** check box.
- 9 Place the cursor in the list box and type in the path (do not include the drive letter) of the directories to be excluded. An example of the format is as follows:  
`\WinNT\%NTServicePackUninstall$`
- 10 You can save the current list displayed in the list box. To do this, click the **Save list...** button and specify the filename and path of the text file to save to. The default filename is `dirlist.txt`.
- 11 You can load a previously saved text list file by clicking the **Load list...** button to display a dialog box. Enter the filename and path or navigate to the file to be loaded.
- 12 Click **Next** to continue. The **Scanfile Selection** dialog is displayed.

- 13 Navigate to and select the scan file the new operating system version will be taught from.

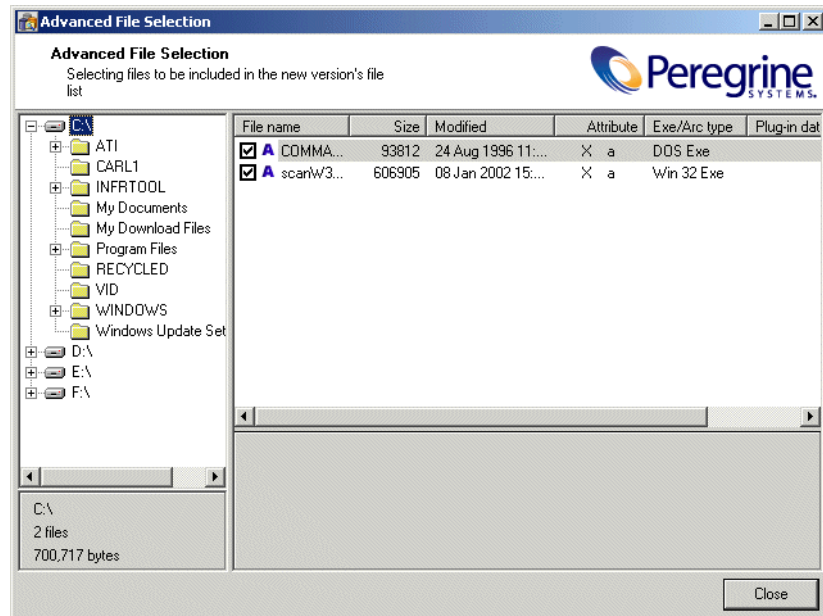


- 14 Click Next to continue. By default all of the files present in the scan file will be imported. You can fine tune this by clicking the Advanced... button.

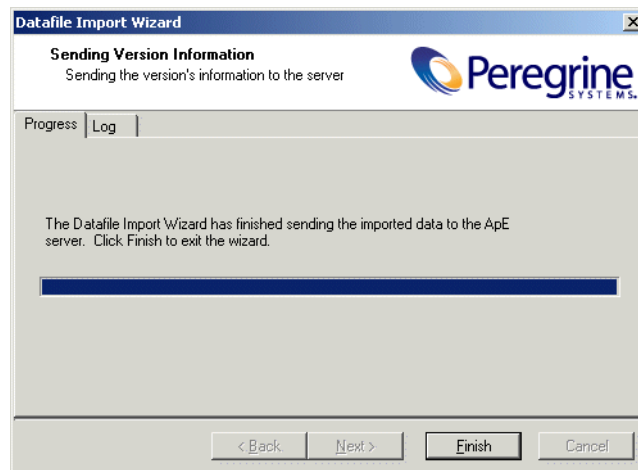


- 15 The Advanced File Selection window appears.

This is an explorer style window which allows you to select files that were found relating to the version of the operating system in the scan file loaded. It provides you with a view of the whole scan file. De-select the entries that you do not want to include.



- 16 Click **Close** when you have finished. You are returned to the wizard.
- 17 The wizard send the details you entered to the ApE server and the data is imported into the ApE database.
- 18 Click **Next** to continue.



- 19 Click **Finish** to exit the wizard.

You have now taught an operating system to the ApE database.

## Version Relations

### In this section...

Topic	See...
<i>What is a version relation?</i>	page 72
<i>Establishing a version relation between two or more applications</i>	page 73

### What is a version relation?

Each identified file is categorized as either Main, Associated, or 3rd Party. The recognition library can contain any number of files in a particular version as belonging to either category.

When at least one Main file is identified on a machine, a licence is required for the application, unless another application on the machine assumes licence responsibility for the application.

Version relations are part of the Application Library; when two interdependent applications are identified on a machine, one application can assume licence ownership on that particular machine. The chain of version relations can be any number of levels deep.

Version relations solve the problem of Suite licensing simply and effectively, and is applicable to licence relationships outside of what would normally be considered a software suite.

For example, MS Office 2000 licenses MS Access, Word, Excel, PowerPoint, Outlook, etc. and is a well-known software suite. In addition Outlook licenses MS Data Access Components (ADO) 2.1 sp1 - if Outlook or another licensing application is not present on the machine, a licence is required for the software, but if Outlook is installed on the machine, Outlook assumes licence ownership.



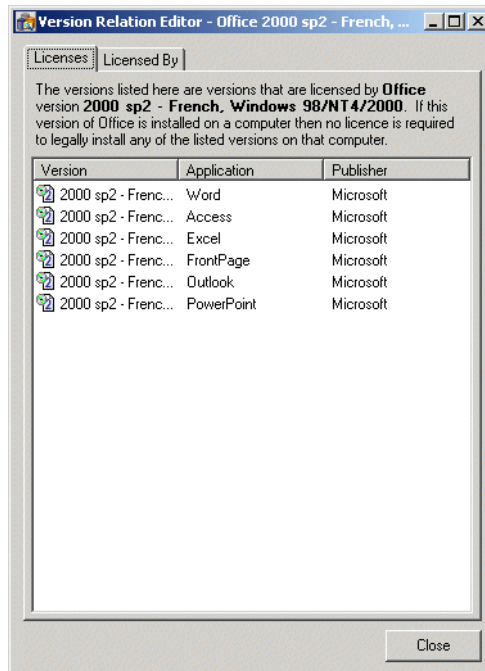
### Further information

For further information about version relations, see *Version relations* on page 22.

## Establishing a version relation between two or more applications

To establish a version relation between two or more applications:

- 1 Click on a version in the explorer tree view.
- 2 Select the **Edit Version Relations** option from the **Files** menu. The **Version Relation Editor** appears.



There are two tab pages in this dialog.

- **Licenses**

The versions listed in this tab page are versions that are licensed by the selected application.

- **Licensed By**

The versions listed in this tab page are versions that license the selected application.

- 3 To add an entry to either of these tab pages, drag and drop the entry from the explorer tree view.

- 4 If you make a mistake, you can remove the entry from the tab page by right-clicking on it and selecting the **Delete** option.

## Verifying recognition

The Application Encyclopedia Explorer has a feature that allows you to load in a scan file and check what the recognition results will be. You can also use this feature to add versions from the scan file directly to the ApE database. Each of these functions are covered in this section.

### In this section...

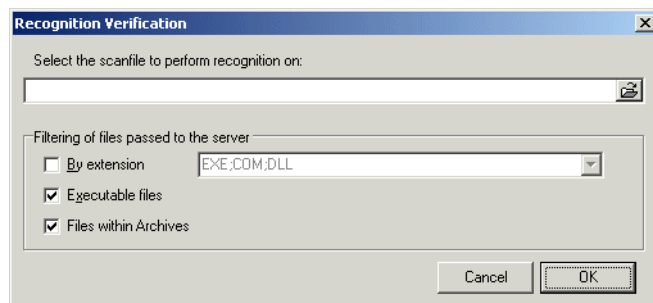
Topic	See...
<i>Checking scan file recognition</i>	page 74
<i>Adding versions from a scan file directly into the ApE database</i>	page 76

## Checking scan file recognition

This feature allows you to view recognition results when a scan file is loaded into ApE Explorer.

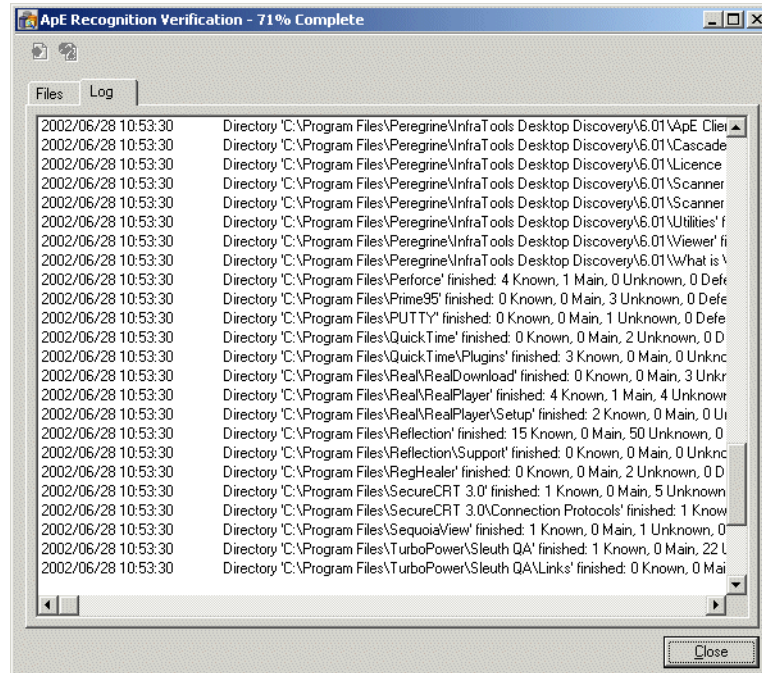
### To check scan file recognition:

- 1 Select the **Verify Recognition** option from the **Tools** menu. The following dialog is displayed:

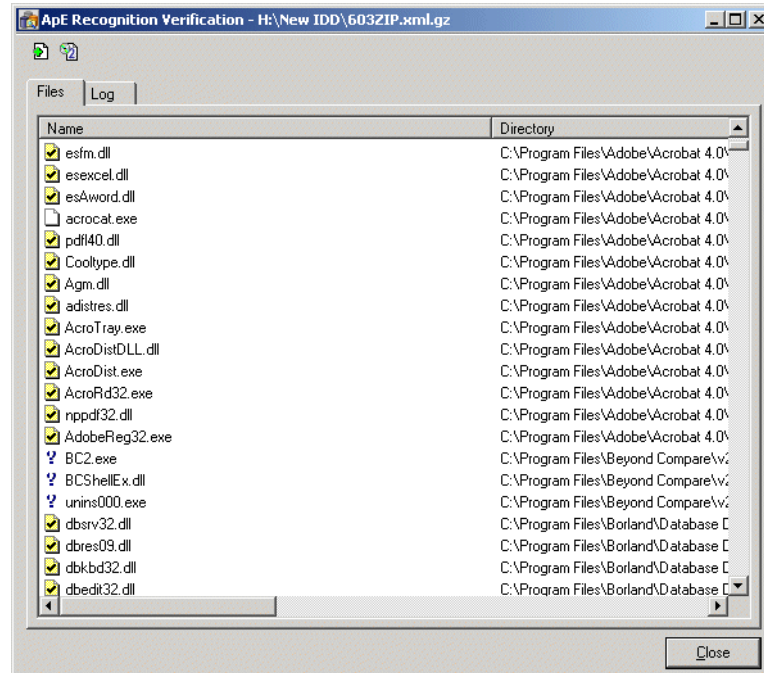


- 2 Navigate to the scan file to perform recognition on. You can also apply filters on files to be passed to the ApE server.
  - a By extension
  - b Executable files
  - c Files within archives




- 3 Click the OK button. The following dialog is displayed with the Log page showing.



## 4 Click the Files tab.



This tab page shows how the Ape Server recognized files in the scan file. Icons are used to indicate the following:

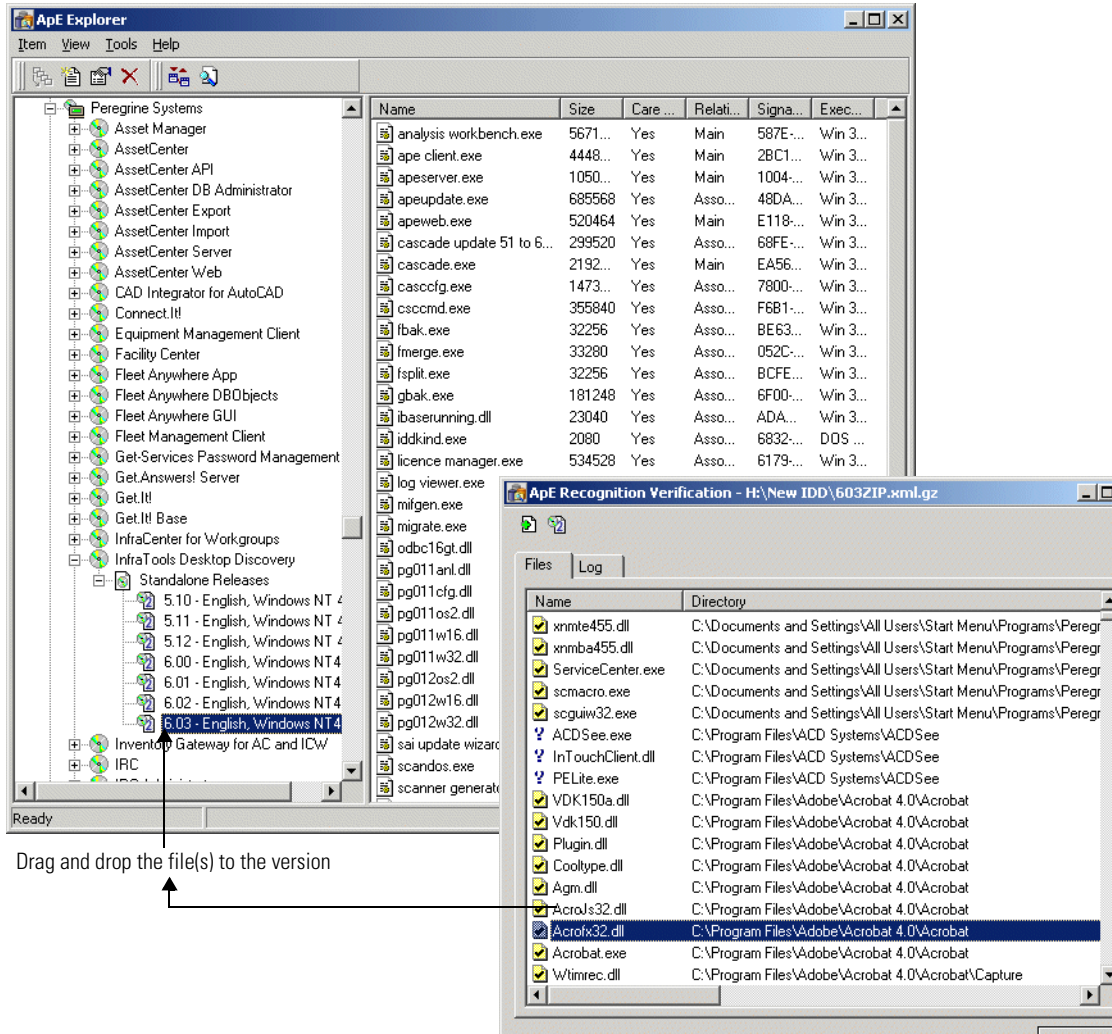
Icon	Meaning
	Has been recognized with a high degree of confidence.
	Has been recognized, but the recognition cannot be guaranteed 100%.
	Does not exist in the ApE database and has not been recognized.

## Adding versions from a scan file directly into the ApE database

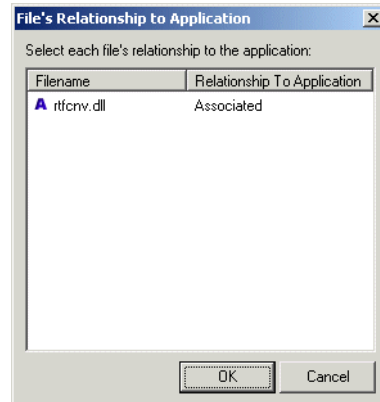
To add versions from a scan file directly into the ApE database:

- 1 The **ApE Recognition Verification** dialog is a non modal dialog. This means you can have it displayed while working in the ApE Server. Position the two dialogs on your screen so that you can work with both dialogs at the same time.




- 2 In the Ape Explorer, navigate to the Application version you want to add the file(s) to. In the following example we will be adding a file to the Peregrine InfraTools Desktop Discovery 6.03 version.
- 3 From the Files tab in the Ape Recognition Verification dialog, select a file(s) to be added to that Application version. Multiple files can be selected by holding down the Shift key while clicking on the files.
- 4 Drag and drop the file(s) directly onto the version.



- 5 The following dialog is displayed.



- 6 Right-click on the file and from the menu, select the file's relationship to the Application. You have the following choices:

Icon	Meaning
	This is a key application file, i.e. it is a file without which the application could not be running. It should always be present whenever the application is installed regardless of whether it is a minimum or complete installation.
	This is a non-key file that is part of the application and is written by the publisher who developed the product.
	This is a file written by another Publisher (3rd Party) and is used in the current application. Examples of 3rd party files are some DLL files that are technically used by the application, but are also distributed freely and can be used by other applications.

- 7 Once you have done this, click **OK**. The file(s) is added to the application version.



