

Peregrine

# Desktop Inventory

## Installation and Upgrade Guide

For use with Desktop Inventory 7.2.0

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This edition applies to version 7.2.0 of the licensed program.

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# About this guide

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This installation guide explains how to install and configure the Desktop Inventory software.

## Who uses this guide

This guide is written for anyone installing and/or configuring the Desktop Inventory software.

## Knowledge requirements

You will need a basic knowledge of the environment in which you are working (Windows 95/98/2000/NT/XP).

## Organization of this Guide

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

<b>To find this...</b>	<b>Look here...</b>
<i>System requirements</i>	page 8
<i>What Comes With Desktop Inventory?</i>	page 9

**To find this...****Look here...**

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*Installing Desktop Inventory*

page 12

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*Uninstalling Desktop Inventory*

page 18

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*Upgrading from InfraTools Desktop Discovery 6.xx*page 23

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## Documentation available

Desktop Inventory documentation is available on CD-ROM in pdf format and on-line help.

## 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 Installing Desktop Inventory

## CHAPTER

**Important:** If you are upgrading from InfraTools Desktop Discovery (IDD) 6.xx or from an earlier version of Desktop Inventory you must follow the *Upgrade procedures* on page 21. This chapter does not include any upgrade information.

### What you will do in this chapter:

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Inspect the system requirements for installing the software on your workstation (see *System requirements* on page 8)

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Understand the Desktop Inventory components (see *What Comes With Desktop Inventory?* on page 9)

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Run the **Setup.exe** file to set up Desktop Inventory (see *Installing Desktop Inventory* on page 12)

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Licence the software (see *Licensing your software* on page 18)

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If necessary, uninstall Desktop Inventory (see *Uninstalling Desktop Inventory* on page 18)

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## System requirements

To run Desktop Inventory we recommend that you have the following:

- Pentium III, 500 MHz, 256 MB memory
- A display resolution of at least 1024x768 with 256 colors
- Windows 2000, and 4 GB disk free

The system requirements are as follows:

Component	Disk space (approximate)
Common Features	32.0 MB
Analysis Workbench	10.0 MB
ApE Explorer	4.5 MB
ApE Server	3.5 MB
FSF Converter	1.6 MB
SAI Update Wizard	1.1 MB
Scanner Generator (including Sample Scanners)	17.0 MB
Scanner plug-in SDK	500 KB
Viewer	3.5 MB
XML Enricher Service	1.0 MB

## Installation on Windows NT 4

When installing Server components on Windows NT 4, you should upgrade the Microsoft Installer (MSI) to v2.0 prior to installing PDI. This is because Windows NT 4 ships with MSI v1.2, which does not correctly handle removal of services installed by PDI.

To download the Microsoft Installer, this URL can be used:

<http://support.microsoft.com/default.aspx?kbid=292539>

To avoid this problem, we recommend installing any Server components on Windows 2000 or Windows XP instead.



# What Comes With Desktop Inventory?

## Inventory components

Component	Default installation location	Description
Analysis Workbench	C:\Program Files\Peregrine\Desktop Inventory\7.2.0\Analysis Workbench	The Analysis Workbench is one of the key components in the inventory process. This is where results are consolidated, analysis is performed and reports and exports are produced.
Application Encyclopedia Explorer	C:\Program Files\Peregrine\Desktop Inventory\7.2.0\ApE Explorer	Application Encyclopedia (ApE) is a database-style recognition library which provides the application recognition technology foundation for Desktop Inventory.
ApE Server	C:\Program Files\Peregrine\Desktop Inventory\7.2.0\ApE Server	The ApE Server is a software component that manages updates to the ApE database. It ensures that user customization is maintained and integrated with Desktop Inventory data from new SAIs.
Documents	C:\Program Files\Peregrine\Desktop Inventory\7.2.0\Documents	Contains documentation about Desktop Inventory in pdf format.
FSF Converter	C:\Program Files\Peregrine\Desktop Inventory\7.2.0\FSF Converter	The FSF converter is used to convert old InfraTools Desktop Discovery Fingerprint files (FSFs) to the Desktop Inventory version 7.0.0 <b>.xml.gz</b> format. The FSF converter accepts FSFs from InfraTools Desktop Discovery version 4.40 to version 6.03 (FSF version 4.32 to 6.00).
Scanner Generator	C:\Program Files\Peregrine\Desktop Inventory\7.2.0\Scanner Generator	The Scanner is configured and generated in Scanner Generator according to the specifications determined in the planning stage of the inventory.

<b>Component</b>	<b>Default installation location</b>	<b>Description</b>
Viewer	C:\Program Files\Peregrine\Desktop Inventory\7.2.0\Viewer	This tool allows you to view the detailed information contained within a scan file (.fsf or .xml.gz). This provides a convenient way of displaying software, hardware and asset information collected for an individual computer. The Viewer is aimed at technical support and help desk staff who need detailed configuration analysis and diagnostics.
XML Enricher	C:\Program Files\Peregrine\Desktop Inventory\7.2.0\XML Enricher	The XML Enricher is a process that runs in the background and automatically adds application data to scan files. This process is called scan file enrichment.

## Tools and Samples

Component	Default installation location	Description
Application Library (SAI)	C:\Program Files\Peregrine\Desktop Inventory\7.2.0\Common	<p>The Software Application Index (SAI) enables the identification of files and applications installed across a computer population.</p> <p>This file is compiled by Peregrine Systems, Inc. in conjunction with numerous software vendors and quarterly updates are available to registered users in order to keep pace with software releases. Three kinds of SAI file are supplied:</p> <ul style="list-style-type: none"> <li>■ Master.sai</li> <li>■ French.sai</li> <li>■ German.sai</li> </ul>
Sample Scan Files	C:\Program Files\Peregrine\Desktop Inventory\7.2.0\Common\Samples	These are sample scan files (fsf or xml.gz), provided as examples for use in the Desktop Inventory applications.
Sample Analysis Workbench State Images	C:\Program Files\Peregrine\Desktop Inventory\7.2.0\Analysis Workbench\State Images	These are sample .aws files, provided as examples for use in Analysis Workbench.
Report Templates for Analysis Workbench	C:\Program Files\Peregrine\Desktop Inventory\7.2.0\Analysis Workbench\Reports	These are sample report templates .rtm files, provided as examples for use in Analysis Workbench.
SAI Update Wizard	C:\Program Files\Peregrine\Desktop Inventory\7.2.0\SAI Update Wizard	This wizard must be used when upgrading from one Master SAI to another to ensure consistency of any user-edited SAIs.
Plug-in Software Development Kit	C:\Program Files\Peregrine\Desktop Inventory\7.2.0\SDK	This Software Development Kit includes several files demonstrating how to write a plug-in using either MS Visual Studio (C source code) or Borland Delphi (Pascal source code).

Component	Default installation location	Description
Plug-ins	C:\Program Files\Peregrine\Desktop Inventory\7.2.0\Common\PlugIns	Contains two plug-ins for the Scanner Generator: <ul style="list-style-type: none"><li>■ Extended Archive recognition</li><li>■ MS Office Data File recognition</li></ul>
Sample Scanners	C:\Program Files\Peregrine\Desktop Inventory\7.2.0\Scanner Generator\Samples	These are sample Scanners, with preset options and limited scanning functionality.

## Installing Desktop Inventory

This section describes how to install the Desktop Inventory software using the Setup program.

Before running the Setup program, ensure that:

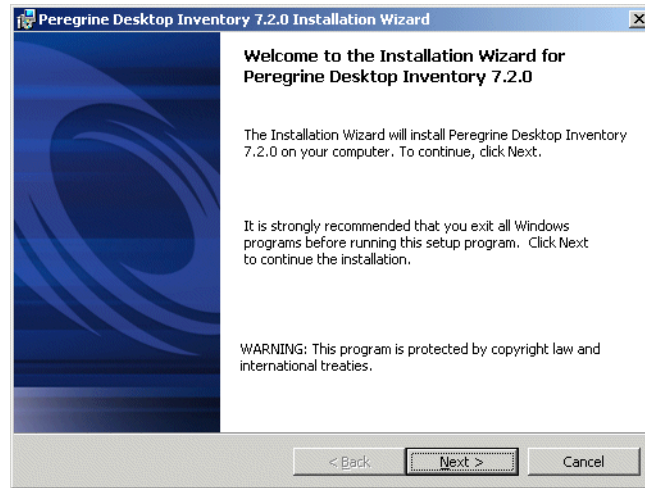
- A Windows 32-bit Operating System is installed on the computer
- No other Windows programs are running

### To install Desktop Inventory

- 1 While Windows is running, insert the Installation CD into the CD ROM drive of your computer.

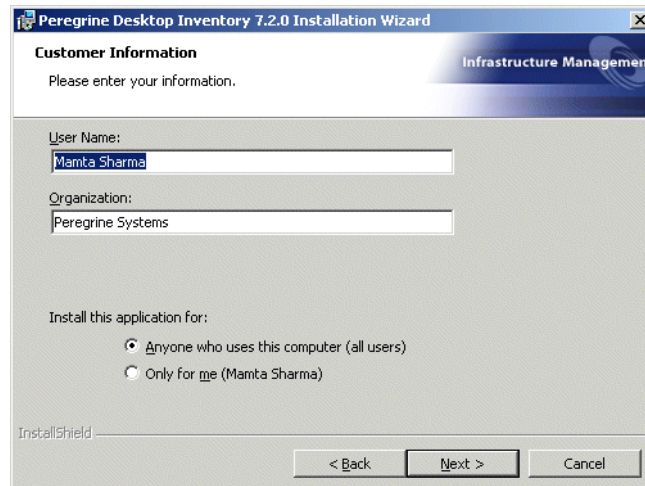
The CD is configured to auto-run, however if you need to start the Setup program manually, you can do this by navigating to the drive containing the CD and double clicking on the root `setup.exe` file.

The Installation Wizard appears.



2 Click the Next> button.

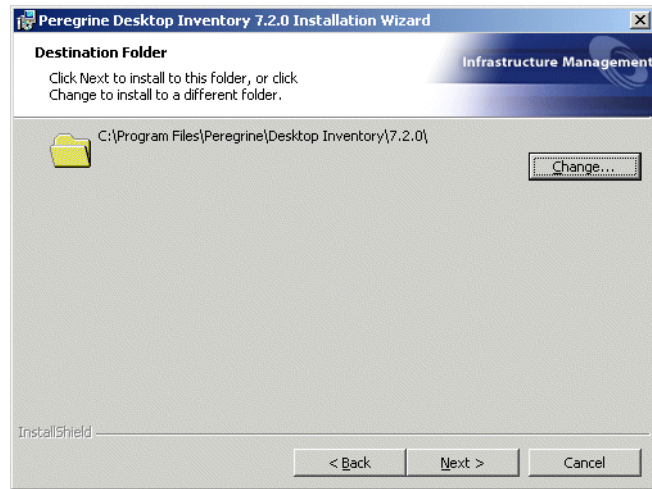
The Customer information screen appears.



3 Enter your name and organization name.

4 Click Next> to continue.

The Destination folder screen is displayed.

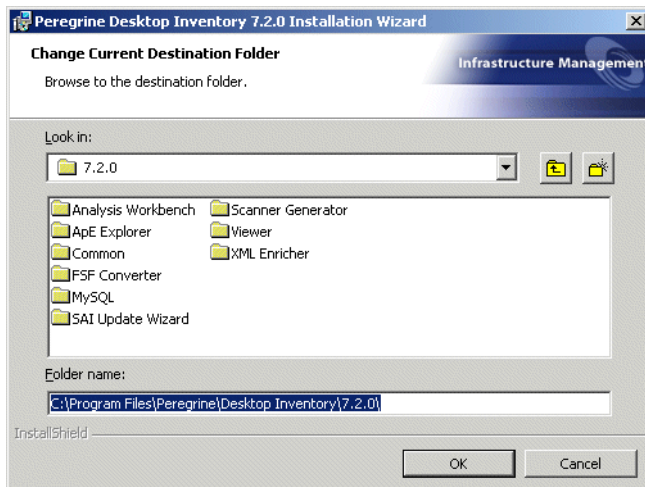


The default installation directory is:

C:\Program Files\Peregrine\Desktop Inventory\7.2.0.

- 5 Click the **Change...** button to change the destination folder.

**Note:** All components will be installed to this default location.

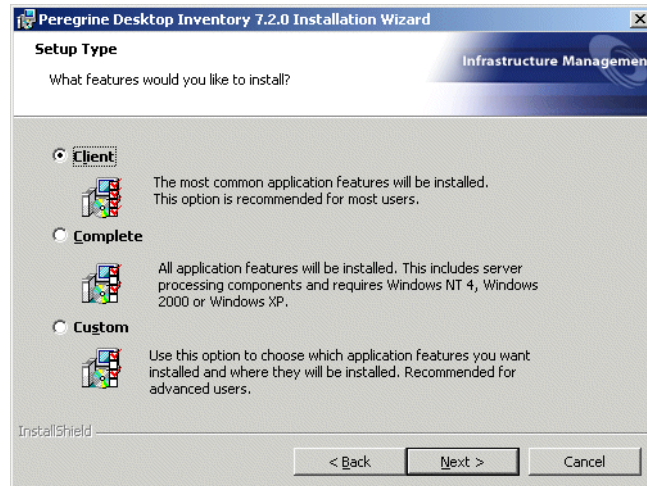


- 6 Click **OK**.

You are returned to the **Destination Folder** screen.

## 7 Click the Next&gt; button.

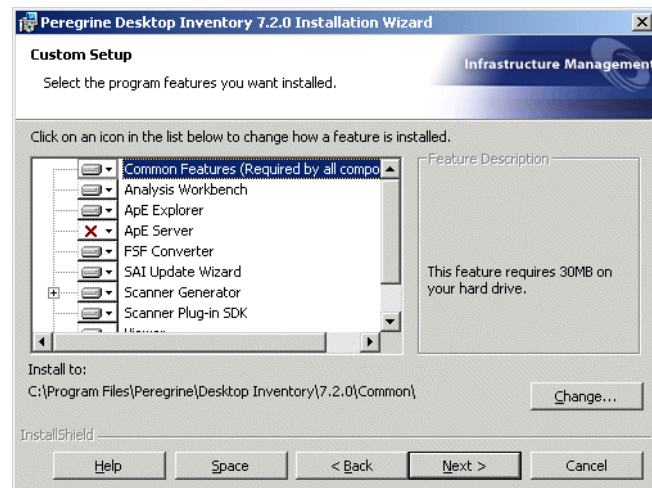
The Setup Type screen appears.



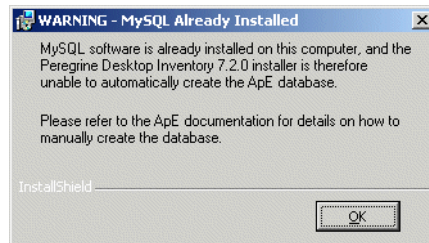
## 8 Select one of the following:

- a. Client
- b. Complete
- c. Custom

If you select the **Custom** option, you will be presented with the **Custom Setup** screen.



**Important:** If you already had MYSQL installed on your machine, the following message will be displayed:





**9** Click **OK**.

You will be returned to the **Custom Setup** screen.

**10** Refer to the procedure entitled *Manually creating the ApE Database* on page 24. This procedure is also documented in the Application Encyclopedia User's Guide. This document is available in two locations:

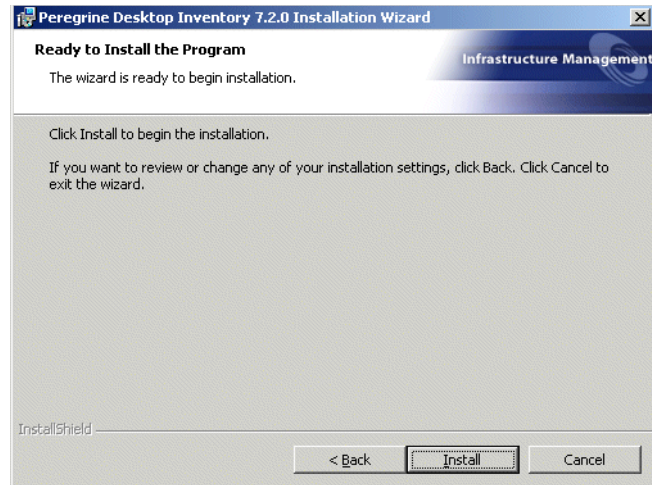
- C:\Program Files\Peregrine\Desktop Inventory\7.2.0\Documents
- By selecting the **Application Encyclopedia User's Guide** entry in the **Peregrine\Desktop Inventory 7.2.0\Documents** sub menu of the Start menu.

- 11** In the **Custom Setup** screen, click on the  or  icon next to the component you want to install or disable and select:
- a** Will be installed on local hard drive if you want to install the component,  
or
  - b** Entire feature will be unavailable, if you do not want to install the component.

**12** Click **Next** to continue.

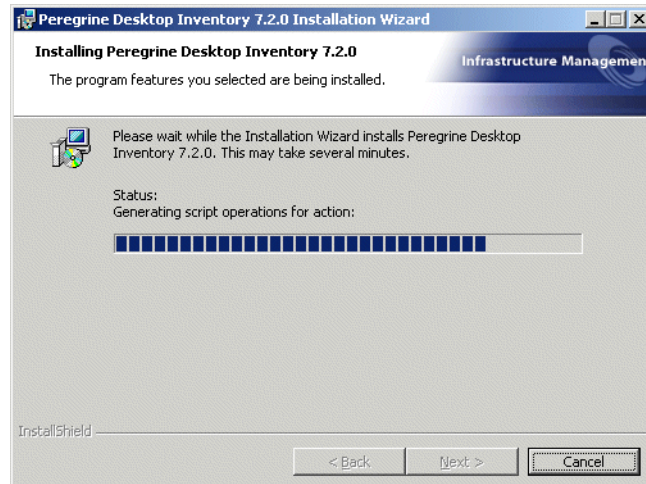


The Ready to Install the Program screen is displayed.

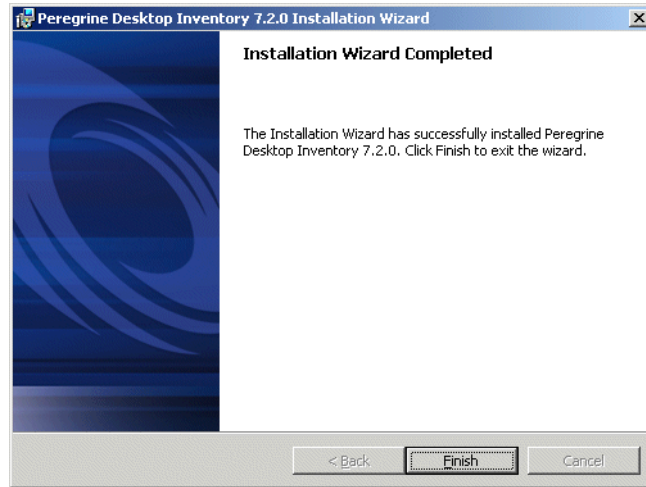


- 13 Click the **Install** button to begin the installation.

A progress indicator is displayed:



Once the installation is complete, the following screen is displayed.



- 14 Click the **Finish** button.

The installation of Desktop Inventory is complete.

## Licensing your software

To licence your software contact Peregrine technical support. Refer to the Customer Support Web site at:

<http://support.peregrine.com>

## Uninstalling Desktop Inventory

This section explains how you uninstall the Desktop Inventory components.

### Removing InfraTools Desktop Inventory components

To remove Desktop Inventory components installed on your system:

- 1 In Control Panel|Add/Remove Programs, select the Peregrine Desktop Inventory 7.2.0 entry.
- 2 Click Add/Remove... . Follow the on screen instructions.

## Files remaining after the uninstallation has completed

Some files remain after Desktop Inventory has been uninstalled. To completely remove all Desktop Inventory files, you will need to manually delete these files from your computer.

**Warning:** Be sure to keep any files you intend to use with your new software installation. For example, user.sai files, saved report templates (.rtm), exports from Analysis Workbench, state images etc.



# 2 Upgrade procedures

## CHAPTER

Customers who have used InfraTools Desktop Discovery 6.xx will need to follow these procedures to upgrade to the new Desktop Inventory 7.2.0 software.

In this chapter you will find information on the following topics:

- *Upgrading from Desktop Inventory 7.00 and later* on page 22
- *Upgrading from InfraTools Desktop Discovery 6.xx* on page 23
- *Manually creating the ApE Database* on page 24
- *Migrating your old ApE database* on page 25
- *Converting your FSF files* on page 29
- *Using the SAI Update Wizard so you can use your old User SAIs with the new software* on page 35

# Upgrading from Desktop Inventory 7.00 and later

Desktop Inventory can co-exist with parts of previous versions of Desktop Inventory.

The server components cannot coexist and any previous versions of these must be uninstalled before new ones can be installed. Server components are XML Enricher and ApE Server.

**Important:** To migrate the contents of your ApE database to the new version, export it as a Read-only SAI prior to uninstalling the previous version of ApE.

Uninstall all previous versions of the server components before installing the latest versions. The installer will not allow a new version to be installed before the old ones have been removed.

All other components (Analysis Workbench, Scanner Generator, Viewer, etc.) can be installed in multiple versions.

## MySQL

If MySQL is not installed on the machine, Desktop Inventory will install a version of MySQL when the ApE Server is installed. In this case, the installer will automatically create the necessary database and tables for the ApE Database.

If MySQL is already installed on the machine, Desktop Inventory will not install MySQL again. For security reasons it cannot automatically create the ApE Database and a script to do this must be run. See [Manually creating the ApE Database](#) on page 24.

# Upgrading from InfraTools Desktop Discovery 6.xx

If you are upgrading your software from InfraTools Desktop Discovery 6.xx to Desktop Inventory 7.2.0 you must complete these procedures before uninstalling the old software.

## **Important!**

Before carrying out the upgrade procedures, please read the following:

- If you have a previous version of InfraTools Desktop Discovery installed on your computer, **do not** uninstall it before installing Desktop Inventory 7.2.0. Doing so may result in lost data.
- We assume that you have a good working knowledge of the InfraTools Desktop Discovery software you are upgrading from.
- In this section the following convention has been used to indicate the versions of your software:
  - InfraTools Desktop Discovery (IDD) 6.xx - old software
  - Desktop Inventory 7.2.0 - new software.

# 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 7.2.0 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\7.2.0\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:

```
\. userid.sql
```



This inserts the initial ID records into the ApE database.

- 5 Execute the following command:

```
\. userprefs.sql
```

This creates the ApE logins **ApeUser** and **ApeAdmin**.

- 6 Type **exit** to quit the MySQL client.
- 7 You may now delete the copies of the SQL scripts from **C:\mysql\bin**.  
Your ApE database will now be created.

## Migrating your old ApE database

Carry out this procedure if you want to migrate the data in your old Application Encyclopedia (ApE) database to the new ApE database in Desktop Inventory 7.2.0.

Before carrying out this procedure, ensure that:

- You have not removed the old software from your machine.
- Your new ApE database is empty - that is, you have not already imported a **master.sai** into it.

**To migrate your old ApE database:**

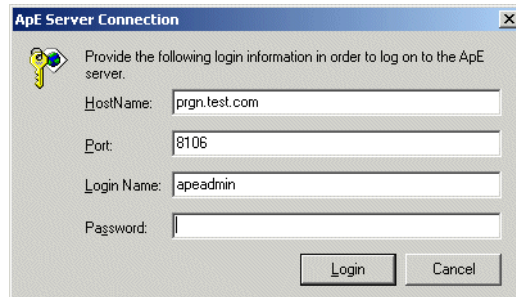
- 1 From your InfraTools Desktop Discovery 6.xx software, export the contents of the database to a read-only SAI file.

Information on how to do this can be found in the document supplied with your IDD software entitled 'Application Encyclopedia Technical Reference'.

This exported SAI will be a read-only file that you will import into the new Desktop Inventory 7.2.0 software.

- 2 Start the new ApE explorer. Select the **Application Encyclopedia Explorer** entry in the **Desktop Inventory 7.2.0** sub menu of the **Start** menu.

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



**3** Enter the **Hostname** and **Port** for the Ape Server.

You can use the default settings when the ApE Server is installed on the local machine.

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.

**4** Enter the **Login** and the **Password**.

**Note:** The password is 'Password'.

**a** **ApeUser**

This is a read-only account. The ApeUser cannot modify the database. In other words the ApeUser can do tasks like look at data and export SAIs.

**b** **ApeAdmin**


This is a read-write account. An ApeAdmin can do everything the ApeUser can as well as do tasks like import SAIs and modify data.

**5** Click **OK** to log in to ApE Explorer.

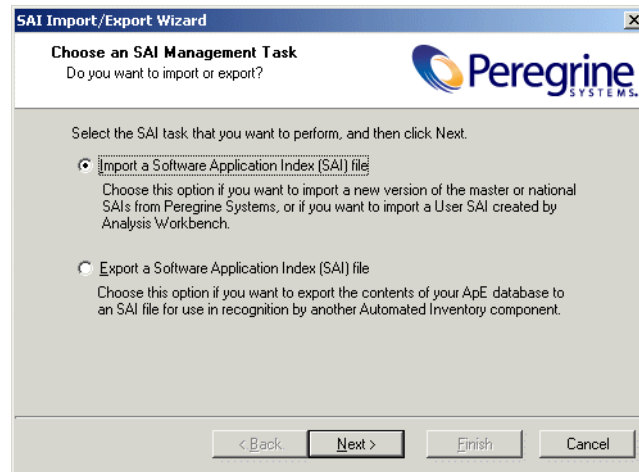
**Note:** The next step will only work if the database is empty.

**6** Import the SAI file created in Step 1.

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

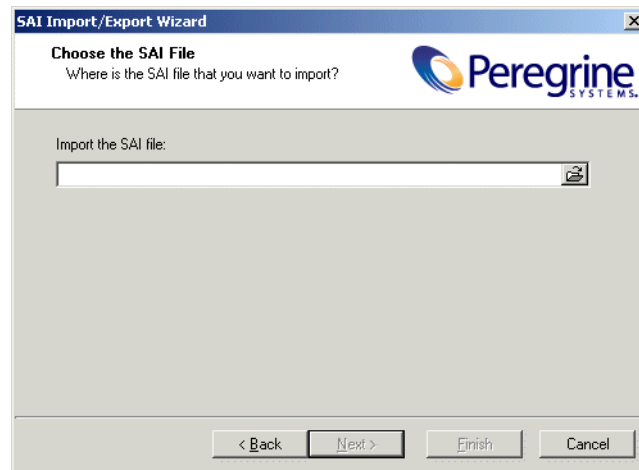
**7** Click the  toolbar button or select the **Import/Export SAI** option from the **Tools** menu.

The SAI Import/Export Wizard is displayed:



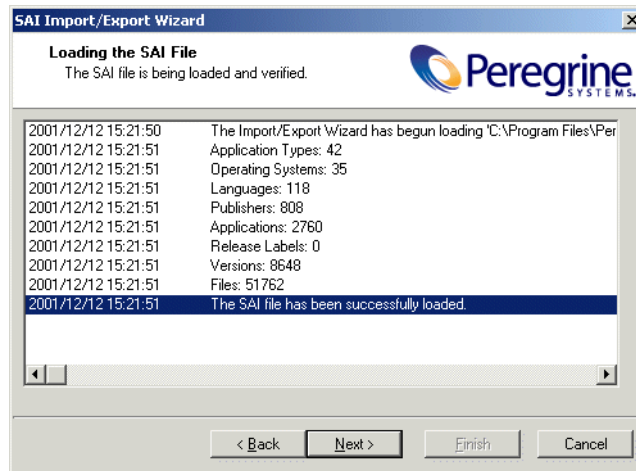
- 8 Select the Import a Software Application Index (SAI) file option.
- 9 Click Next to continue.

The second page of the wizard appears.



- 10 Navigate to the SAI file the data is to be imported from. This is the file you exported from your old database in step 1.
- 11 Click Next to continue.

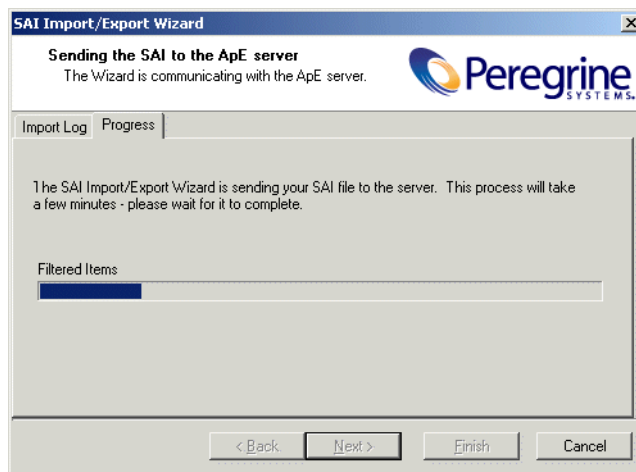
The third page of the Wizard appears.



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.

- 12 Once it have finished this process, click the Next button to continue.

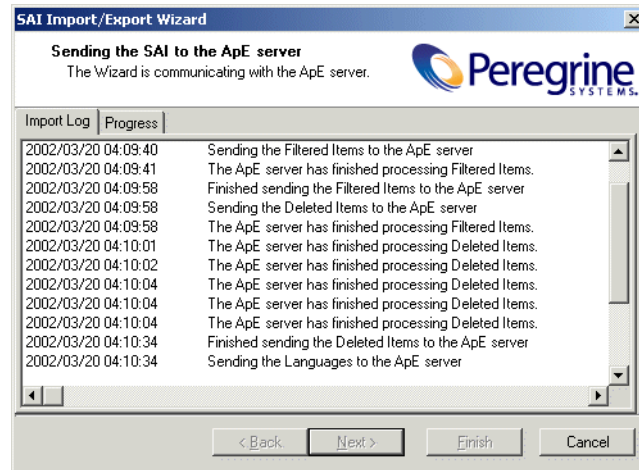
The fourth page of the Wizard appears.



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

- 13 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.



- 14 Click the **Finish** button.

The import is now complete and the results can be seen in the ApE Explorer workspace.

- 15 Now, import the new **master.sai** supplied with Desktop Inventory 7.2.0 by following the same procedure from steps 7 to 14 and importing the **master.sai** file instead of the read-only SAI.

## Converting your FSF files

Use the FSF converter to convert old InfraTools Desktop Discovery Fingerprint files (FSFs) to the Desktop Inventory version 7.2.0 **.xml.gz** format.

### Important!

Before converting your FSF files, read the following:

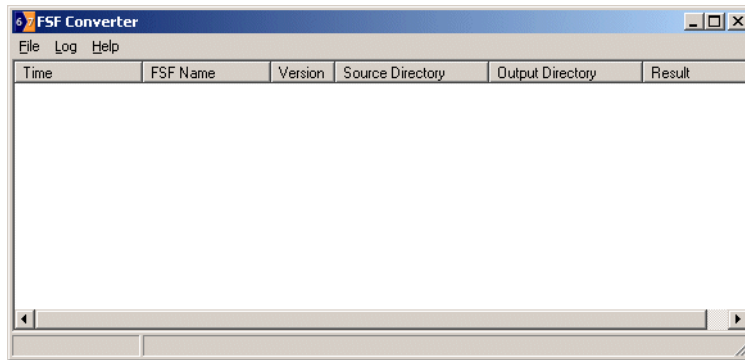
- The FSF converter accepts FSFs from InfraTools Desktop Discovery version 4.40 to version 6.03 (FSF version 4.32 to 6.00).

- In order to achieve the best quality of data we recommend that you re-scan your computer population instead of converting all your existing fingerprint files. The Desktop Inventory Scanners collect a wealth of information not collected by the InfraTools Desktop Discovery Scanners.
- Scan files created with Desktop Inventory software cannot be read by InfraTools Desktop Discovery software. That is, there is no backwards compatibility.

To convert old FSFs to the Desktop Inventory version 7.2.0 .xml.gz format:

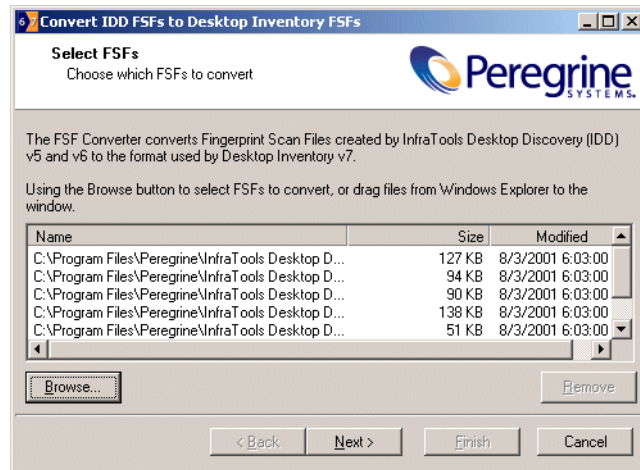
- 1 Select the **FSF Converter** entry in the **Programs|Peregrine|Desktop Inventory 7.2.0** submenu of the **Start** menu.

The FSF Converter main window appears.



- 2 Select the **Convert FSF...** option from the **File** menu.

The Conversion Wizard appears.



### 3 Choose which FSFs to convert.

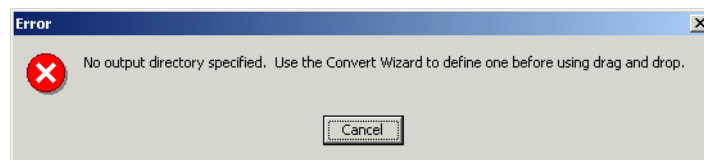
This can be done with the **Browse** button or by dragging the files from the Windows Explorer to the wizard.

You can remove currently selected (highlighted) items from the list by:

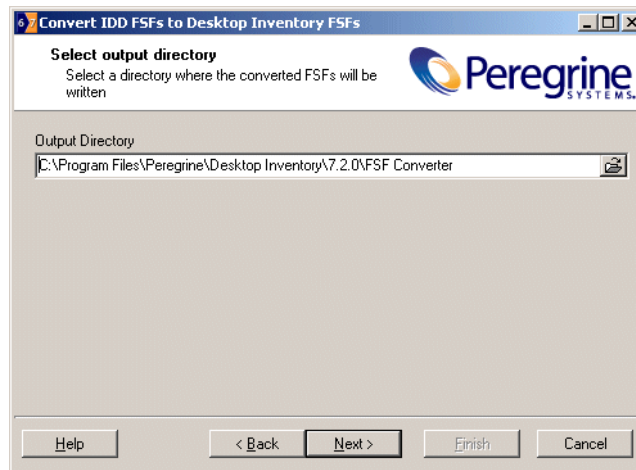
- a Clicking the **Remove** button.
- b Pressing the **DEL** key when the list has focus.

### 4 The **Next** button is enabled when at least one file is in the list. Click **Next** to continue.

**Note:** Once the wizard has been used once, the conversion process can be started by dropping files on the main window without using the wizard. In this case, the settings from the previous run will be used. If the wizard has never before been used, an error message is displayed.

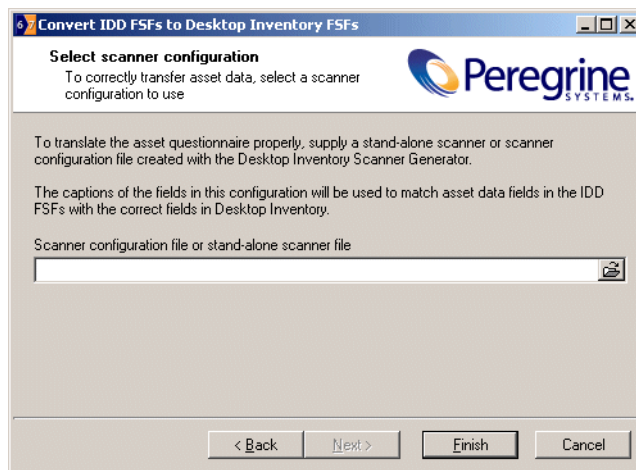


- The second page of the wizard is used to choose the output directory for the converted files.



**Note:** The directory must already exist.

- The **Next** button is enabled when this field is not blank. Click **Next** to continue.
- On the last page, choose a Scanner configuration to use for converting asset data.



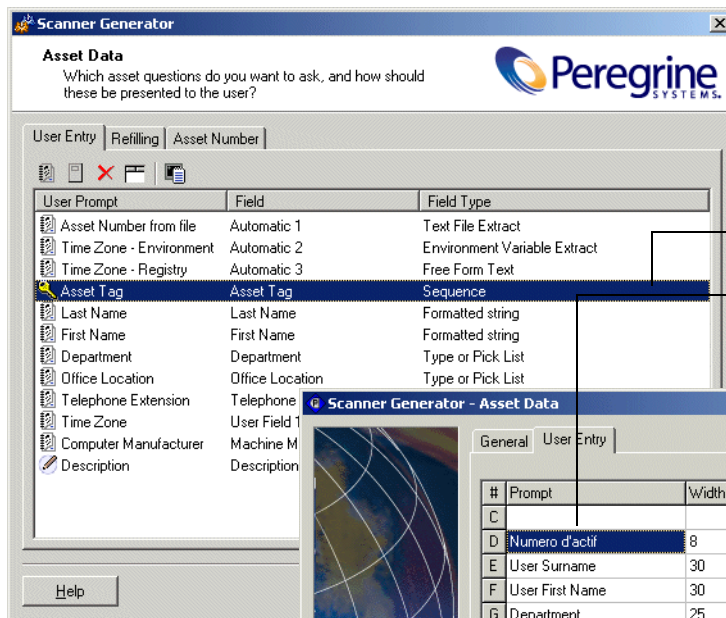
This step is optional and the wizard allows the **Finish** button to be clicked if the entry field is blank or contains the filename of a valid Desktop Inventory version 7.2.0 Scanner or Scanner configuration file.



The reason for doing this is the lack of compatibility between the asset questionnaires for InfraTools Desktop Discovery and Desktop Inventory 7.2.0.

You will have to configure a new Scanner using Desktop Inventory 7.2.0 so that the captions can be matched up with those that were used in the Desktop Discovery scans.

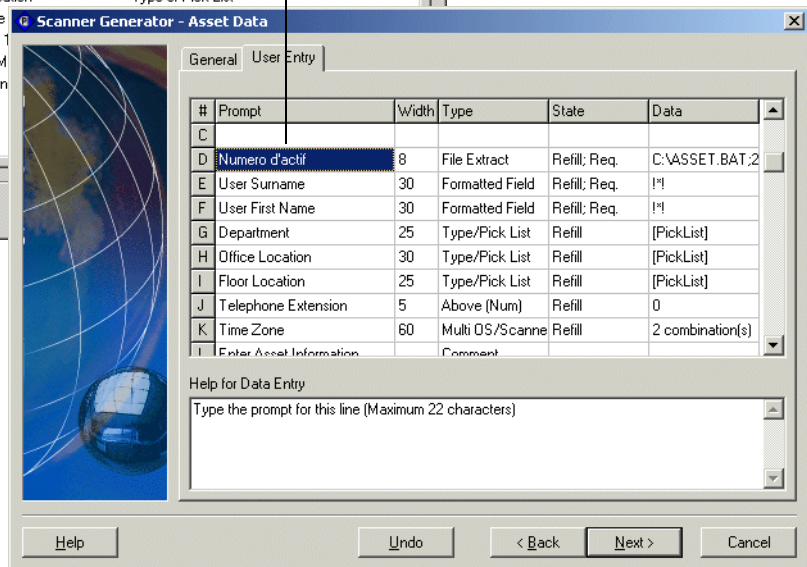
For example, in the following screen shot, the field called 'Numero d'actif' has been set up as the asset number field in the old questionnaire. To ensure that data from this field is stored in the asset number field in Desktop Inventory 7.2.0, configure a new Scanner and set up a user prompt for the asset field as 'Numero d'actif' so that the two can be consolidated.



In the old software, the asset number field had been set up as 'numero d'actif'.

In the new software, this will not match up to the Asset Tag field. You will have to configure a new Scanner and set up the user prompt for the Asset Tag field called 'numero d'actif'.

This may also be the case for other fields.



The following fields will match up:

Department

Office Location

Telephone Extension

Time Zone

You would have to set up

prompts for the following fields

in the new Scanner

configuration so that they could

be matched up.

User Surname

User First Name

This must be done for all fields that were customized in the Desktop Discovery software and deviated from the standard questionnaire supplied. In the example the following fields would automatically be consolidated without you having to do anything:

- Department
- Office Location
- Telephone Extension
- Time Zone

You would have to set up prompts for the following fields in the new Scanner configuration so that they could be matched up.

- User Surname
  - User First Name
- 8 Once you have configured a new Scanner which reflects the asset fields correctly, use the Scanner in this page of the wizard.
  - 9 When the **Finish** button is pressed, the selected files are converted.

### **Verify the results**

To verify the result of the conversion, load a converted **xml.gz** scan file into the Desktop Inventory Viewer and navigate to the **Hardware and Configuration** tab. Click on the **Asset Data** folder and inspect the data to verify that the desired asset data fields were converted correctly.

# Using the SAI Update Wizard so you can use your old User SAIs with the new software

The Software Application Index Update Wizard is a utility that allows new master and national application libraries to be installed without compromising the integrity of existing custom library extensions, commonly referred to as User SAIs.

It reads **Existing Master SAI(s)** and a **Customized User SAI** and tries to match the information in these two files with **New Master SAI(s)**.

**Note:** There can be multiple Existing SAI files; one Master and a national SAI is a normal case, although it is possible for there to be multiple national SAI files. For example, French, German and Italian.

Any entries encountered, that cannot be resolved (for example, a new Version in the Customized User SAI referencing an application entry that does not exist in the New Master SAI(s)) are flagged.

Flagged entries are then matched against the Existing Master SAI(s), and those entries that are found, are 'adopted' into the Customized User SAI so the information obtained from recognition is the same.

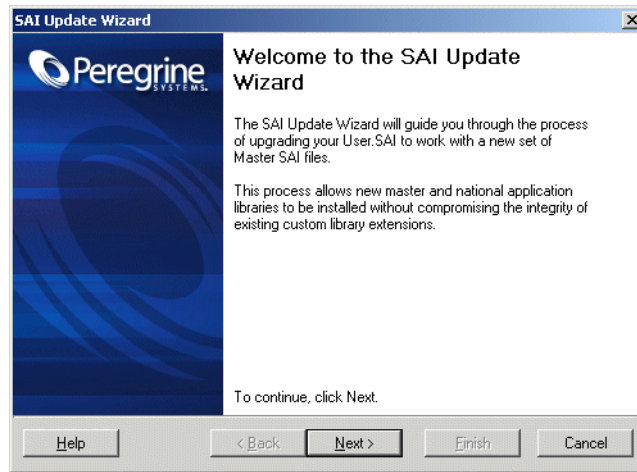
If an entry is not found in the Existing Master SAI(s) either (i.e. the upgrade is not really valid), the entry without a match is flagged for deletion from the Customized User SAI.

**Note:** No changes are made to the data, until after the **Summary** screen.

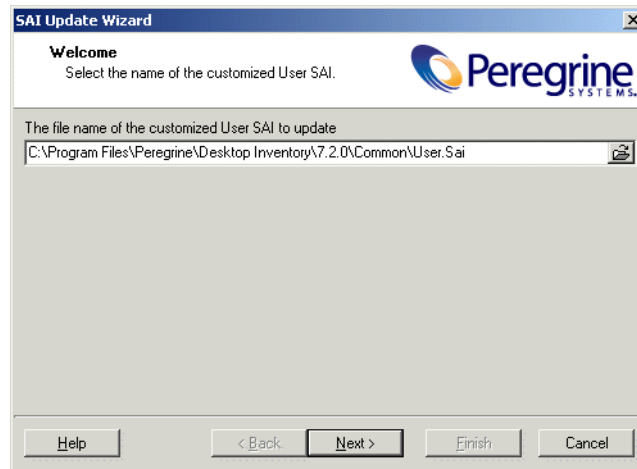
**To use the SAI Update Wizard:**

- 1 Select the **SAI Update Wizard** entry in the **Programs|Peregrine|Desktop Inventory 7.2.0** submenu of the **Start** menu.

The SAI update wizard is displayed.



2 Click **Next** to continue.



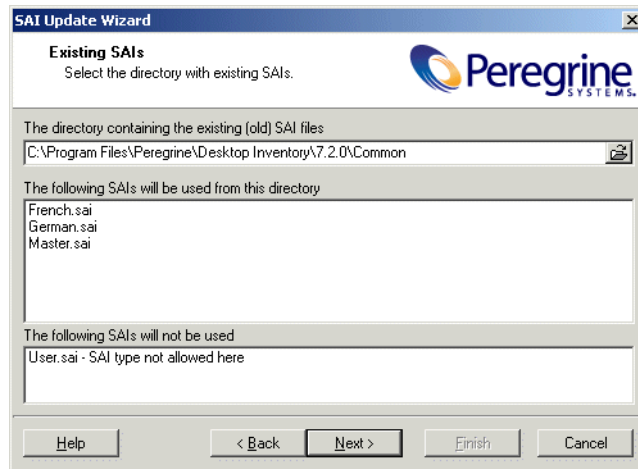
3 Enter the following information:

- Latest customized User SAI: Entered in the **File name of customized User SAI** field. The Customized User SAI specified here must be the one that is working with the Existing Master SAI(s).

**Note:** There can be multiple Existing SAI files. One Master and a national SAI is a normal case, although it is possible for there to be multiple national SAI files (for example, French, German and Italian). From this point onwards Existing Master and national SAI files are collectively referred to as Existing Master SAI(s).

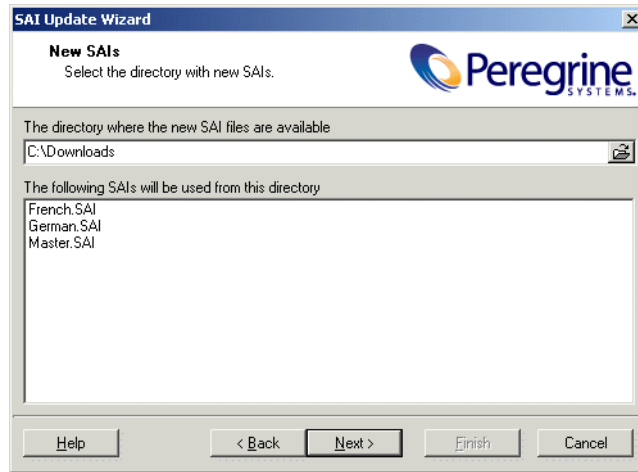
The Customized User SAI will be upgraded by the utility to work with the New Master SAI(s).

- 4 Click the Next button to continue.  
The Existing SAIs page is displayed.



- 5 Select the directory that contains your Existing Master SAI files. By default this directory is  
C:\Program Files\Peregrine\Desktop Inventory\7.2.0\Common\  
Any SAI files that are used in this directory are shown. It also displays SAI files that it doesn't use (if there are any).
- 6 Click the Next button to continue.

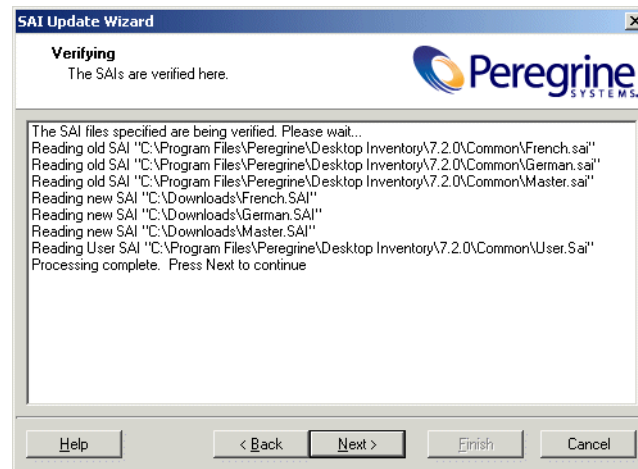
The New SAIs page is displayed.



- 7 Select the directory that contains your New Master SAI file(s).  
Any SAI files in this directory are shown.

- 8 Click the Next button to continue.

The Verifying page is displayed.



The Existing Master SAI(s), New Master SAI(s) and the Customized User SAI are read. The information contained in New Master SAI(s) is compared to match the information contained in the Existing Master SAI(s) and Customized User SAI.

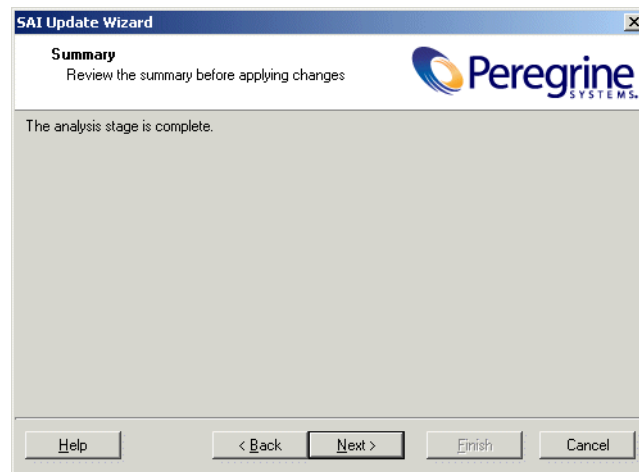
Any entries encountered, that cannot be resolved (for example, a new Version in the Customized User SAI referencing an application entry that does not exist in the New Master SAI(s)) are flagged.

Flagged entries are then matched against the Existing Master SAI(s), and those entries that are found, are 'adopted' into the Customized User SAI so the information obtained from recognition is the same.

If an entry is not found in the Existing Master SAI(s) either (i.e. the upgrade is not really valid), the entry without a match is flagged for deletion from the Customized User SAI.

- 9 Click the **Next** button to view the results.

A **Summary** page is displayed.



This screen shows a summary of the results when the information in the New Master SAI(s) was compared with the Existing Master SAI(s) and Customized User SAI.

If the analysis was completed successfully, a message is displayed indicating that no changes need to be made and the Application Library is in a consistent state.

If anomalies are found, then up to two outline views are shown:

- Entries to be adopted from the Existing Master SAI(s) into the Customized User SAI, by category (publisher, application, version) and
- Entries to be deleted from the Customized User SAI, by category

- 10 Click the **Next** button to continue.

**Warning:** At this stage, changes are made to the data. The following is carried out:

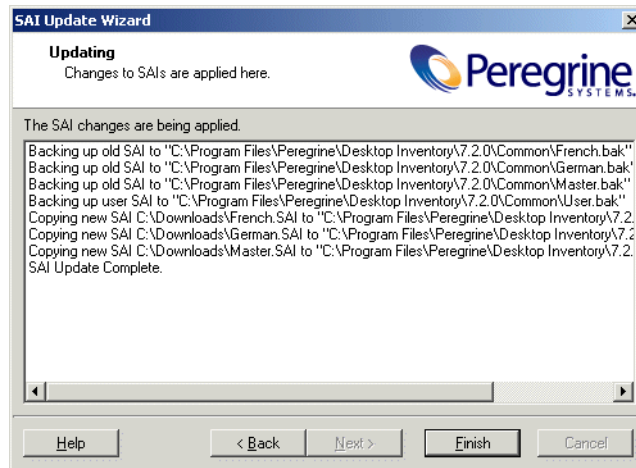
The Customized User SAI is modified

The Existing Master SAI(s) are renamed to .BAK

The New Master SAI(s) are copied to replace the old one(s).

- 11 Click the **Next** button to continue.

The **Updating** page is displayed.



This screen shows the progress of any updates that are made.

- The Customized User SAI is modified.
- The Existing Master SAI(s) is renamed to .BAK.
- The New Master SAI(s) is copied to replace the old one.

- 12 Click the **Finish** button.

The SAI update procedure is completed.





