The Aleph Service
Pack Mechanism

Version 22
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1 The Aleph Service Pack

An Aleph 500 service pack is an update that includes all changes made since the last Aleph version was made available. It includes bug fixes, refinements, and features, and it is a combination of many individual fixes, thoroughly tested and delivered in a coordinated way.

The Aleph Service Pack is based on the concept of “No Regression”. This means that any change in functionality, which is not a pure bug, is optional, as it needs to be configured in order to be in effect. In other words, if you install a service pack and make no manual configuration changes, your system might not benefit from some elements of the Service Pack, but it will not show any negative effect.

The service pack can be used to download or alter files in the customer’s libraries. You may choose to change files by performing automatic steps, or change them manually according to the Implementation Notes as it was done in previous versions (see section 8 Running the Automatic Implementation Notes (Util SP 5/7)).

Minor releases are delivered via the standard Aleph Service Pack mechanism and include both bug fixes and new development items. Upon installation of a minor release (as opposed to a standard service pack), the customer’s configuration tables and data is changed, in some cases, in order to upgrade to the new release.

The SP mechanism supports languages and formats which are integral parts of the Aleph version. Therefore, files will be updated according to your set up.

The Service Pack installation as described in this document is currently available for the Aleph 22 release.

Note:
Once you have installed the new Service Pack on the server, you must distribute at least the executable (.exe) GUI files to all workstations. For further details see section 7 – GUI Components and section 8 – GUI Distribution.

2 The Service Pack Level

The Service Pack level indicates the number of fixes made since the version was made available. The Service Pack includes all these changes, but only installs the fixes you do not have in your current level.

To view your current level, use the ver command from the command prompt. For example:

```
aleph@il-aleph10(a22_1):~>ver
SUN OS_2 i386, il-aleph10, Aleph 22.0.1 (35) copy 1, 05-Jan-2014
Oracle 11r2
PDS version: 2.1.1.9
aleph@il-aleph10(a22_1):~>
```

In the example above:
22 - version
0 - mini release,
1 - service pack number
118 - last change number

The Aleph Release Notes are published on the Ex Libris Documentation Center as an Excel spreadsheet (you can also examine known singular rep changes via the knowledgebase of the CRM.)
The release notes contain the change number, problem description, solution, module, Support Incident number, PC files, and the Implementation Notes themselves. The naming convention of the Excel files is as follows:

ALEPH-&lt;version number&gt;-ServicePack-&lt;Service Pack number&gt;.xls.

For example:

ALEPH-22.0-ServicePack-1.xls

Implementation Notes provide the procedures that should be taken in order to effect a certain change. These procedures are always optional as stated in the beginning of this document. You do not need to perform them, or you can postpone them to a future date. The Aleph Implementation Notes are included in the Aleph Release Notes as described further on.

3 Pre-Installation Steps for the Aleph Service Pack

Do not start the installation process before making sure that there is sufficient disk space available. Make sure that your free disk space is at least twice the size of the sp.tar file (saved to $alephm_scratch/sp by default).

3.1 The Aleph Service Pack Excel Spreadsheet

To decide if you should download the service pack, review the changes that are included in it before the installation. Check the knowledge base on the CRM or log on to the Ex Libris Documentation Center and download the Excel spreadsheet found at Home >> Aleph >> Release Notes >> Version 22 : Service Packs and examine the sheet:
This spreadsheet includes three sheets as follows:

- The first sheet is an introduction for the current service pack. It contains a description of the important changes that were done in this service pack. PC files that were modified and security items are also mentioned on this page.
The second sheet contains changes, description, and Implementation Notes from the first rep change of the current service pack to the last rep change of the current service pack.

The third sheet contains change description and Implementation Notes from the first rep change of the version release to the last rep change of the current service pack.

**Note:** Technical changes are not included in the reports. Therefore, there might be gaps in the numbering of the displayed changes. For example, change number 115 is not displayed due to a technical change.

<table>
<thead>
<tr>
<th>Change number</th>
<th>Description</th>
<th>Solution</th>
<th>Related Documentation</th>
<th>Implementation Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>114</td>
<td>In the Union Catalog, the list of libraries possessing a specific record could be shown in the full display of a record and in the short display format defined in namedtab_short_9891, such as 962 and 980.</td>
<td>The list is now available in the brieflist in the table format.</td>
<td>1. If localization is needed, the following line should be added to /Aleph/Vimor_eng/view/field heading 981L 1 $2 libraries hold this record, including 2, Add the following line to /Gen/0lh3/database/076tab_short.ang</td>
<td>Not Needed</td>
</tr>
<tr>
<td>115</td>
<td>The List of Serial Titles and Number of Issues Received (serial16) service did not work when two or more substrances were chosen (not including the &quot;All&quot; substrances option).</td>
<td>This has been corrected.</td>
<td></td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

There might be more sheets that contain specific guidelines for minor releases or PDS changes.

When reviewing the implementation notes, make sure that the whole instruction is displayed. In old versions of excel you must double click the cell in order to see it.

If you choose to run all of the automatic Implementation Notes (AIN), you may skip the following instructions.

The Auto column stands for Automation. It is used to indicate if there is an Automatic Implementation Note for this specific change. To have Aleph implement the Implementation Note automatically, change the “Auto” column which is set to “No” to “Yes” so this specific step could be run as will be described further on.
After selecting the relevant changes, save the Excel sheet as type “*.csv”:

![Excel sheet save as type CSV](image)

The csv file should be sent via FTP to the server’s location /tmp.
The csv file can have any name and must end with the extension .csv.
If there is more than one csv files under /tmp the one with the latest date is taken. For more information, see Running the Automatic Implementation Notes (Util SP 5/7).

**Note**: The delimiter for the csv file might change between different PCs, according to the "List separator" settings in "Regional and Language options". The recommended delimiter is a comma (,). It is also possible to use a semicolon (;).

### 4 The Service Pack Installation Utility

The Service Pack Utility (Util SP) is an interactive routine that downloads the latest Service Pack from the Ex Libris FTP server to the customer’s machine and installs it.
Through the util SP menus you can configure parameters to download the latest available Service Pack, check the download, and receive an automatic e-mail confirmation after the download is completed.

Depending on your system setup, the installation process may take a while.

In order to use the Service Pack management utility, log in to the Aleph application. Make sure to log in to the appropriate slot.

Run:

```
>>dlib <library-name>
>>util
>>sp
```

Note that at any step of the menu stage you can select “Exit” or press Enter to return to the previous menu.

The Service Pack Utility contains 10 options:

### 5 Preparing/Updating the Environment

#### Customer details (util SP 1/1)

This step configures and updates the following parameters used in later steps. You are asked to enter values or confirm the default ones. Make sure to receive in advance the relevant information from Ex Libris:

- Your Ex Libris customer code
- Your mail address
- Language

These parameters are saved in case you want to use util_sp again at a later date.

---

**SP Customer details**

Enter new values or press <Enter> to keep existing

Ex Libris customer code (country code + customer) [972DAN]:

Customer mail address for download status notifications (leave empty for none) [Danny.Perlman@exlibrisgroup.com]

If you want to change the language please type it now [english]: (This is an option for future usage)

---

**Configuration summary:**

<table>
<thead>
<tr>
<th>Language:</th>
<th>english</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customer code:</td>
<td>972DAN</td>
</tr>
<tr>
<td>Notification address:</td>
<td><a href="mailto:X.Y@exlibrisgroup.com">X.Y@exlibrisgroup.com</a></td>
</tr>
</tbody>
</table>

Press <Enter> to continue

---

Note that after running util SP 1/1 the sp.config file is created under the $alephe_root directory. This file should not be edited. If there is a need to modify the file such as when there is a need to define special FTP conditions, consult the Ex Libris Office before implementing the change.

**FTP settings (util SP 1/2)**

Select the FTP server for SP download:

---

**SP FTP settings**

Enter new values or press <Enter> to keep existing

Select FTP server number for SP download:

1) USA/Asia Pacific: ftp.exlibris-usa.com
2) HQ/Middle east: ftp.exlibrisgroup.com
3) Europe: ftp.exl.de
4) internal HQ: il-ftp01

<Enter> to keep current (ftp.exl.de)

FTP user for SP download [ver22_sp]:

FTP special options []:

*** for firewall connection problems try 'passive'

For details check the utility documentation

---

**Configuration summary:**

<table>
<thead>
<tr>
<th>FTP server:</th>
<th>ftp.exl.de</th>
</tr>
</thead>
<tbody>
<tr>
<td>FTP user:</td>
<td>ver22_sp</td>
</tr>
<tr>
<td>FTP options:</td>
<td></td>
</tr>
</tbody>
</table>

If you want to insert new FTP password please type it now
Or press ENTER to keep current password
Press <Enter> to continue

SP Download Directory (util SP 1/3)
It is possible to configure the SP Download directory. Enter the path for SP download.

View Parameters (util SP 1/4)
You may view the your defined settings

<table>
<thead>
<tr>
<th>Configuration summary:</th>
</tr>
</thead>
<tbody>
<tr>
<td>FTP server:             ftp.exl.de</td>
</tr>
<tr>
<td>FTP user:               ver22_sp</td>
</tr>
<tr>
<td>FTP options:</td>
</tr>
<tr>
<td>Language:               english</td>
</tr>
<tr>
<td>Service pack download dir: /exlibris/aleph/a22_3/alephm/scratch/sp_118</td>
</tr>
<tr>
<td>Customer code:          972DAN</td>
</tr>
<tr>
<td>Notification address:   <a href="mailto:X.Y@exlibrisgroup.com">X.Y@exlibrisgroup.com</a></td>
</tr>
</tbody>
</table>

Press <Enter> to continue

6 Downloading and Installing the Service Pack

Downloading the Latest Service Pack (util SP 2)
This step runs the download according to the parameters defined in the previous step. The latest available Service Pack is downloaded.
You receive an e-mail when the download is complete.

Dear Customer,
The ALEPH Service Pack download has been successfully completed.
Service Pack 118.
il-aleph03 ALEPH 22 copy 9
You may continue with the SP installation steps

Checking the Service Pack Download Completion (util SP 3)
Check the integrity of the downloaded files and monitor the download progress by performing util sp 3.
For example,

FTP still running
1 file(s) of total 5 completed (20 %)
press <Enter> to continue

At the end of the download process, a message is sent by the system. This message reports if the process succeeded or failed. If it failed, the message specifies the reason.

Note:
If there is a delay between setting the service pack download steps and the actual service pack installation, do not delete the SP download directory and do not
remove the service pack configuration file $alephe_root/sp.config. Only edit this file with util SP.

### Installing the Service pack (util SP 4)

This step runs the Service Pack installation. The latest Service Pack is installed.

Welcome to Service Pack 1-118 installation utility.  
Your current Service Pack level is .  
Options fast = N  initial = N.

0. Exit Procedure  
1. **Install Service Pack 118**  
2. View Service Pack summary (Excel format)  
3. View Service Pack summary (plain format)  
4. View PC files involved  
5. View optional implementation notes  
6. Update Configuration

**Note:**  
Before the service pack installation, it is highly recommended to install any third-party product updates. For more information, see [Downloading and Installing Third-Party Product Updates](#).

**Before running this step, make sure that Apache is down and that aleph_shutdow has been performed.**

It is required for the first SP installation, to fill in several parameters regarding the library set up.  
This is essential for the SP mechanism (some of the SP utilities use the configuration; e.g. AIN functionality).  
If you have not yet filled in all required details, the following message is displayed:

```
Please select [0]: 1  
Please set up the configuration first (menu item 6). Press any key ...
```

The set up configuration menu can be found under menu item 6:

Welcome to Service Pack 1-118 installation utility.  
Your current Service Pack level is .  
Options fast = N  initial = N.

0. Exit Procedure  
1. Install Service Pack 67  
2. View Service Pack summary (Excel format)  
3. View Service Pack summary (plain format)  
4. View PC files involved  
5. View optional implementation notes  
6. Update Configuration

The following menu is displayed:

```
Define configuration parameters  
--------------------------------
```

[ExLibris Aleph]
It is possible to view the set up or to update it. When choosing to update the parameters you will be asked to fill in:

- **Libraries definition** – Specify the customer libraries in the u-tree (types ADM, BIB, USR etc.). It is possible to set up the list of libraries to be handled by the "Automatic Implementation Notes" mechanism. You can edit the space-delimited list with the "vi" editor instead of editing it manually.
- **Notification e-mail addresses definition** – Where to send log files or error messages.
- **Languages definition** – Specify the code of the languages used on the server - language files (.lng) and language directories (_lng).

You may return and update the configuration whenever it is required by performing util SP 5/8.

### 7 Run Service Pack Utility (util SP 5/2 - 5/6 and 5/9)

This step runs the sp.utility routine which enables the following:

```plaintext
Welcome to Service Pack utility.
Your current Service Pack level is 118.

0. Exit Procedure
1. View Service Pack summary (Excel format)
2. View Service Pack summary (Plain format)
3. View PC files involved
4. View optional implementation notes
5. View installation log
6. Run Automatic Implementation Notes
7. Update Configuration
8. Uninstall Service Pack 3556
```

When choosing one of the reporting options (menu options 2, 3, 4, and 5), the following menu appears:

```plaintext
View Service Pack summary (Plain format)

0. Exit Procedure
1. Create report for levels 1-320
2. Create report for this Service Pack (118 - 320)
```

To create a report for the entire Service Pack, select option 1.
To create a report of the fixes of the recent Service Pack only, select option 2. While Plain Format, PC Files, and Implementation Notes Reports can be viewed on the server, the Excel report produced should be sent via FTP to the PC. The Excel sheet is created on the server in the directory $aleph_dev/service_pack/[nnnn-yyyy] where nnnn and yyyy are the range of rep changes in the service pack. It is recommended to view the Implementation Notes in the documentation center.

**Service Pack Summary (Plain Format and Excel Format)**

This report creates a text file with a description of the corrections.

**PC Files Involved**

This report shows all GUI files that are involved. They are classified under two categories:

- Executable files (To be distributed)
- Configuration files (Not to be distributed)

For more information, see the section on GUI components below.

**View Optional Implementation Notes**

As stated above, the optional Implementation Notes contain instructions for the actions required for some of the corrections. The report contains only those changes that have Implementation Notes.

The service pack utility also includes an Uninstall option (util SP 5/9). This option restores the system to its configuration prior to the installation of the Service Pack. After a Service Pack is uninstalled, the installation log is saved under directory $aleph_dev/service_pack/[nnnn-yyyy] where nnnn and yyyy are the range of rep changes in the service pack.

### 8 Running the Automatic Implementation Notes (Util SP 5/7)

Most of the Implementation Notes (which provide the procedures that should be taken in order to effect a certain change) have automatic steps. This Utility runs those steps.

```
Welcome to the AIN (Automatic Implementation Notes) main menu
You may choose to run all imp. notes since rep_change 118 or only selected steps.

0. Exit
2. Run ALL Implementation Notes
3. Run Selected Implementation Notes (as marked in the Excel Sheet)
4. Run Implementation Notes for a single rep_change
5. Rollback previous AIN changes
Please select [0]:
```
Note that not all Implementation Notes have AIN steps. Review the Excel sheet and implement the changes manually.

8.1 Running All Implementation Notes (util SP 5/7/2)

This option relates to all rep_changes where the **IN Automation** field is set to Y only in the “customer’s increment”. For example, if the customer was in Service Pack level #50 before installing Service Pack #100, this option considers only rep_changes #51 - #100.

8.2 Running Selected Implementation Notes (util SP 5/7/3)

The Excel sheet for selecting what Implementation Notes to run is created by util SP 5/2 (see Service Pack Summary (Plain Format and Excel Format)). Alternatively, you can use the second sheet of the aleph service pack Excel spreadsheet.

Change “No” to “Yes” in the Auto column for the Implementation Notes you want to have implemented automatically. Only the Implementation Notes with “No” in “Auto” column are relevant.

After selecting the relevant changes, save the Excel sheet in csv format. For more information, see The Aleph Service Pack Excel spreadsheet section.

The selected Implementation Notes from the Excel sheet (in “csv”) should be sent via FTP to the server under /tmp.
The filename is not important. The last updated file in the /tmp directory with the .csv extension is taken.

8.3 Running AIN for a Single rep_change (Util SP 5/7/4)

The user provides a single rep_change number with which to perform AIN. This number has to be within the customer’s Service Pack increment.
Whenever an AIN is executed for a single rep_change, selected rep_changes or ALL repchanges, a summary report e-mail is sent:
Some steps might fail due to configuration changes in the files involved. If this happens, manually implement the changes.

### 8.4 Rolling Back Previous AIN changes (Util SP 5/7/5)

When an AIN is executed, the state before execution is preserved, such as backup of u-tree configuration files. At the same time, a rollback script is prepared, containing the necessary actions to reverse any changes done by the AIN mechanism. The rollback action covers all AINs performed before its activation – be it a single rep_change, selected ones, or ALL.

**Note:**

The AIN log directory is located under the Automatic Implementation Notes (AIN) directory. For example:

```
/exlibris/aleph/a20_1/service_pack/3557-3632/ain/logs/
```

This directory contains information about the changes that were implemented by the AIN that are included in the summary report e-mail that is sent after AIN implementation.

### 8.5 Updating Configuration (Util SP 5/8)

This step configures and updates the parameters used in the AIN.

You are asked to enter the values or confirm the default ones for the following parameters. Make sure to receive in advance the relevant information from Ex Libris:

- Libraries to be handled for AIN
• Your email address - for notification about AIN implementation
• Languages for implementing AIN

These parameters are saved in case you want to use util_sp again at a later date.

**Note:**
When updating the Libraries to be handled parameter with option E – edit the list using VI – use the following format:

```
setenv uk_libraries "loc10 tst01 tst10 tst40 tst50 tst60"
```

Do not remove the text `setenv uk_libraries`. Enter the space delimited list of libraries within the quotation marks.

9 **Downloading and Installing Third-Party Product Updates**

9.1 **Download the Third-Party Product Updates (util SP 6)**

This step runs the download according to the version of Aleph and the operating system that you are using. The latest available package is downloaded.

Select option 6 in the main util_sp menu to start the download. You are asked if you want to change the default ftp directory:

```
The third party download utility will use wget to download the required packages
Download directory will be /exlibris/ftp_from_exlibris
If you want to change it please enter the new path now or <ENTER> to keep
```

Select option 7 from the main util_sp menu to see the download progress log. Press :q to quit the log.

9.2 **Check OS Requirements for Third-Party Product Updates (util SP 10)**

Step 10 checks for the existence of all operating system packages necessary for the normal functioning of updated third-party products. This check can only run after the download is completed. It is recommended to run this step before installing the third-party products.

If some OS packages are missing, request from your local IT staff to install them.

9.3 **Extract Third-Party Product Updates (util SP 8)**

Select option 8 from the main util_sp menu to extract the downloaded products. All products are installed in the /exlibris/ftp_from_exlibris directory.

9.4 **Install the Third-Party Products (util SP 9)**

This step moves the soft links from the previously existing third-party products to the newly installed products.
Before running this step, make sure that Apache is down and that aleph_shutdown has been performed.

Select option 9 in the main util_SP menu to complete the installation of the downloaded products. Start up Apache and the application.

10 GUI Components

All PC-related files are downloaded under the server-side ./aleph/pc_exe directory. Usually, there are three files in the pc_exe directory:

- gui500.exe - GUI installation package
- net500.exe - Network GUI installation package
- off500.exe - Offline Circulation module

When a Service Pack is installed, these three files are replaced and the old files are backed up with an sp.NN extension.

In addition, individual GUI files are downloaded to two directories:

- ./aleph/pc_exe/sp_exe
- ./aleph/pc_exe/sp_conf

GUI files that have changed are placed under these directories with a full path, for example, ./aleph/pc_exe/sp_exe/catalog/bin/catalog.exe. Executable files are placed under the sp_exe directory and configuration files are placed under the sp_conf directory.

If the file already exists from previous Service Pack installations, it is backed up with an sp.NN extension.

Note than once you have installed the new Service Pack on the server, it is highly recommended to distribute at least the executable (.exe) GUI files to all workstations.

10.1 GUI Distribution

The easiest way to distribute the changed GUI executable files is to use Version Control. In this case, make sure that the definition in alephcom.ini is set up as follows:

```ini
[VersionControl]
Type=sp_exe
```

**VersionCheck**

Version Check is a tool used to distribute GUI client files from a central server to an individual workstation. Integrated inside all GUI modules, it automatically informs you about the latest updates and replaces the older files with the new ones at your request.

There are two ways of accessing Version Check:
- Automatically: The Aleph version check message appears once a day when starting the first Aleph application.
- Manually: From the update version window located under the Aleph menu.

Type=sp_conf

SP_conf can be used whether the GUI Configuration such as *.dat and *.ini files were changed or not by the customer. The mechanism of the version check merges the updated file with the customer’s file.

The Version check for updating configuration files works as follows:
1. Inserts new lines.
2. Updates lines but does not alter the strings that were changed by customers.
3. Deletes lines that are not relevant.

For more information regarding the Version Check, refer to the Aleph 22 Staff User’s Guide - General.

**Note:** It is possible to override existing configuration files with the service pack files, by placing the files in the $aleph_dev/aleph/pc_exe/local_conf directory. After setting the Version Check Type to local_conf, and clicking Update All or Update, the target files are overridden with the server side files.

[VersionControl]

RunAtStartup= Y/N

The RunAtStartup parameter controls whether the version control check is run once a day when opening the first Aleph application. Selecting the Run Version at Startup option in the Update Version window automatically sets this value to Y. Clearing the Run Version at Startup option in the Update Version window automatically sets this value to N.

In order to distribute customized library-specific GUI configuration files such as circ.ini or print.ini via the Version Check (this may be necessary when there are multiple groups of librarians each using unique setup files), refer to Appendix.

Clicking Help > About in the GUI displays the GUI and server version that you are using.
After installing the service pack, it is recommended to examine the Help/About dialog box. The information provided there indicates whether the GUI and server are synchronized, meaning that they both have the same service pack number.
Appendix

GUI Distribution

After the installation of the service pack, the update of the GUI PC files from the server works as follows:

The service pack places new PC files on the server under the directory:
$aleph_dev/aleph/pc_exe. The executable files are under $aleph_dev/aleph/pc_exe/sp_exe, while the configuration files are under $aleph_dev/aleph/pc_exe/sp_conf. The entire GUI tree, as it appears on the PC, exists under each of the above directories.

For example, if a new catalog.exe file is included in the service pack then it is placed on the server as follows:
$aleph_dev/aleph/pc_exe/sp_exe/catalog/bin/catalog.exe

Similarly, if a new print.ini file for the acquisitions module is included in the service pack then it is placed on the server as follows:
$aleph_dev/aleph/pc_exe/sp_conf/acq/tab/print.ini

Version Check works as follows:

If the user has the following in file AL500/alephcom/tab/alephcom.ini:

```
[VersionControl]
Library=ABC01
Type=sp_exe
```

and Version Check is run, files are taken from the server under directory
$aleph_dev/aleph/pc_exe/sp_exe/
The files come from whichever server is defined in AL500/alephcom/tab/library.ini for library ABC01

Likewise, if the user has the following in file AL500/alephcom/tab/alephcom.ini:

```
[VersionControl]
Library=DEF01
Type=sp_conf
```

and version control is run, then files are taken from the server under directory
$aleph_dev/aleph/pc_exe/sp_conf/
The files come from whichever server is defined in AL500/alephcom/tab/library.ini for library DEF01

In most cases, the Library parameter is the name of the bibliographic library. In cases where service pack is installed first on a test server and later on the production
server, note that the new PC files come to the PC only if the library.ini includes the IP of the server on which the service pack is installed.

Version control, as described above, automatically downloads the files from the server to the PC and in doing so overwrites existing files on the PC excluding *.dat files and *.ini files which are automatically synchronized as described above. It is possible, but not necessary, to do as follows in order to be sure that only certain configuration files are downloaded to PC. Usually this is performed by the systems librarian.

1. Create directory on server such as $aleph_dev/aleph/pc_exe/sp_final/
2. Copy executable files from sp_exe to sp_final
3. Edit (if desired) configuration files on server under sp_conf and copy to sp_final
4. Users have the following defined in alephcom.ini
   [VersionControl]
   Type=sp_final

In this case the following are updated to the PC:

- All executable files.
- Only configuration which have been edited by or approved by the systems librarian.

If the systems librarian first edits the file and then decides which files to copy to sp_final, then only certain files, some possibly edited, arrive at the PC.

In addition, it is possible to accept or reject executable and configuration files when version check is run. For example, if catalog.ini and acq/tab/print.ini are updated in the service pack and the user does version check, then the following screen appears.
The two files which the service pack updated and the systems librarian copied to sp_final appear above. The default Type above is sp_final because this is what is defined in alephcom.ini. It may be changed on the fly by clicking the Change Type button. It is possible to choose to update only one of these files by clicking the Advance button. After clicking the Advance button the following screen appears:

![ALEPH GUI - Update Version - sp_final](image)

From this dialog box, you can choose just one file and then click Update. In the above case, Catalog.exe is updated to the PC but print.ini is not. This is because the user has selected Catalog.exe and not print.ini.

Additional information on the version check is available in the Aleph 22 Staff User’s Guide - General.