

iFileAudit

Version 1.20

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Introduction

iFileAudit is a security application for your IBM System i computer system which includes the i5, iSeries and AS/400. For applications that use the OS file system for database files, iFileAudit allows you to keep track of all file changes on a record-by-record and field-by-field basis. Using iFileAudit, you can easily track when file records were changed, what fields were updated and who made those updates. Field changes are captured whether they are made by a user or as a result of program process updates.

For the purposes of this documentation, your system will be referred to as an “**iSeries**” system. This term is used generically and applies to all systems in the System i family, including your **i5** system, your **AS/400** system or your **iSeries**.

Overview

iFileAudit allows you to select specific files on your System i and track changes made to records in that file. These changes are tracked on a record-by-record and on a field-by-field basis. To start tracking changes to any file, you must first register the file within iFileAudit. Once a file had been registered, then you just need to activate tracking and iFileAudit will start tracking all changes.

To view file changes, you must first run an analysis step. Once this is done, you can then view those changes in a variety of views. You can look at changes on a strict chronological basis, you can view changes based on record key, based on field name or based on user profile.

Installation and Security

Specific installation instructions are covered in the section of this manual titled "Installation". To install your product on trial, follow those instructions. iFileAudit can be installed from distribution media supplied by Kisco Information Systems or from a download file from the Internet. The initial installation will allow iFileAudit to run on your system for a period of at least thirty days. At the end of the trial period, the software will no longer function.

When you decide to keep iFileAudit, you must send your payment to Kisco Information Systems. At that time, Kisco must know the full serial number for your system. If you are not sure of your serial number, you can display it by using the following command:

DSPSYSVAL QSRLNBR

When Kisco receives your payment and serial number, they will issue a password to you. This password, when applied, will certify your copy of iFileAudit and will permanently activate the software on your system. The password and certification instructions will be provided in writing by email.

Kisco Software Support

Kisco Information Systems software support is available from 7am to 6pm eastern time. You can reach software support with the following methods:

Phone: 518-897-5002
Email: support@kisco.com
Fax: 518-897-5003
Mail: Kisco Information Systems
89 Church Street
Saranac Lake, NY 12983

Off-hours support can be provided for all registered customers with advance notification. Contact our support staff at least 24 hours in advance when you think you will need off-hours support and we will provide instructions for contacting us during that time. If you have unscheduled off-hours support needs, you should place a phone call and send an email request. Support is generally available during off-hours.

Kisco Information Systems provides unlimited software support during your first year of ownership. This includes the time during your free trial. Following the first year of ownership, there is a modest fee structure to maintain support for your software.

The Kisco support policy program works as follows:

1. First year support will continue to be FREE! This will include unlimited telephone

- support, unlimited E-mail support, free release updates and free license transfers.
2. After the first year, an annual charge will apply for support and software maintenance.
 3. The annual fee will be charged at the rate of 15% of the current selling price.
 4. Support covered by this annual fee includes:
 - a. Unlimited telephone support (518-897-5002)
 - b. Unlimited E-mail support (Support@kisco.com)
 - c. Defect analysis and correction
 - d. Free updates to correct known defects (Kisco PTFs)
 - e. Free license transfers (when you upgrade to a different system)
 5. Customers who are not on maintenance will be charged \$100 for each license transfer.

At the end of your first year of ownership, you will receive an invoice from us for your next year's maintenance charge. Non-payment of this invoice will be taken to mean that you decline maintenance.

World Wide Web Support

You can now use the World Wide Web to reach us and to obtain software support information. Just set your web browser to our web address at:

<http://www.kisco.com>

Support information specifically for iFileAudit can be found at this address:

<http://www.kisco.com/iframeaudit/support>

At our Website, you will find:

- Product information about all Kisco software products for the IBM Midrange market.
- Customer support information including:
 - ▶ Latest release level information for all products
 - ▶ Technical bulletins
 - ▶ Frequently asked questions and answers
 - ▶ Problem reports including iFileAudit PTF availability
 - ▶ Descriptions for recent enhancements to products
 - ▶ E-mail contact information for getting in touch with us

- Information about consulting services available from Kisco Information Systems.
- Registration for automatic notification about iFileAudit enhancements and changes.
- and more

The first time you visit the Customer support section of our website for iFileAudit, be sure to register for automatic notification. Once you are registered, we will automatically send Email notices to you about upgrades, enhancements and fixes for iFileAudit as soon as they become available.

We invite you to visit our Website, use the contact features to let us know what you think. We're always looking for ways to better serve you, our customer.

The Master Menu

The main menu used by iFileAudit is called MASTER and is found in the library FILAUD. There are several ways to display the menu. You can issue the following GO command from any terminal command line:

```
GO FILAUD/MASTER
```

This method does not require that the library name be added to your library list. You can also add the library to your library list and display the menu with an easier format. To add the library to your library list and display the menu, enter the following two commands:

```
ADDLIBLE FILAUD
GO MASTER
```

The main iFileAudit menu appears as follows:

```

Session D - [24 x 80]
File Edit View Communication Actions Window Help
MASTER MASTER Menu
Select one of the following:
1. Work With iFileAudit File Registrations WRKFILAUD
2. Analyze File FILANZ
3. Display File Analysis DSPFILA
6. Purge File History AUDPRG
7. Print Audit Report by Date & Time RPTFILD1
8. Print Audit Report by User, Date & Time RPTFILD2
9. Print Audit Report by Field, Date & Time RPTFILD3
10. Print Audit Report by Key, Date & Time RPTFILD4
11. Print Audit Report by Key, Field, Date & Time RPTFILD5
20. To Install Menu
(c) 2006 Kisco Information Systems
Selection or command
==>

```

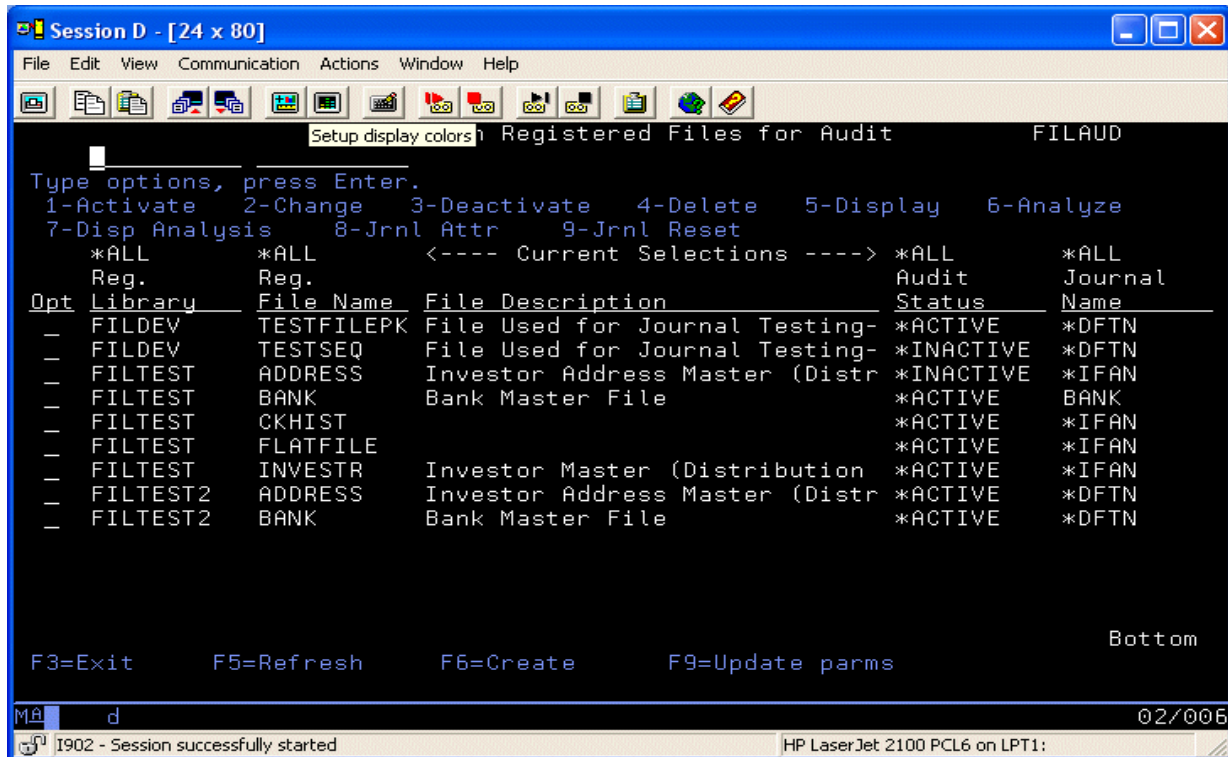
Each menu option handles the following functions. The right margin of the menu display shows the command that is run by that option. All commands are located in the application library named FILAUD. Each function is described in more detail later in this manual:

- | | |
|--|--|
| 1. Work With iFileAudit File Registrations | Lets you work with file registrations in iFileAudit. |
|--|--|

- | | |
|---|--|
| 2. Analyze File | Processes the iFileAudit file analysis for a registered file. |
| 3. Display File Analysis | Displays the results of the file analysis with multiple views of the data available. |
| 6. Purge File History | Lets you purge old audit information on a file by file basis. |
| 7. Print Audit Report by Date & Time | Prints an audit report for a file in chronological sequence. |
| 8. Print Audit Report by User, Date & Time | Prints an audit report for a file by user and time sequence. |
| 9. Print Audit Report by Field, Date & Time | Prints an audit report for a file by field and time sequence. |
| 10. Print Audit Report by Key, Date & Time | Prints an audit report for a file by record key and time sequence. |
| 11. Print Audit Report by Key, Field, Date & Time | Prints an audit report for a file by record key, field name and time sequence. |
| 20. To Install Menu | Switches to the iFileAudit Installation tasks menu. |

Work With File Registrations

To start tracking a file within iFileAudit, you must first register the file and then activate the tracking status for the file. This process is controlled from option #1 on the MASTER menu. When you start this option, the following screen will be displayed:



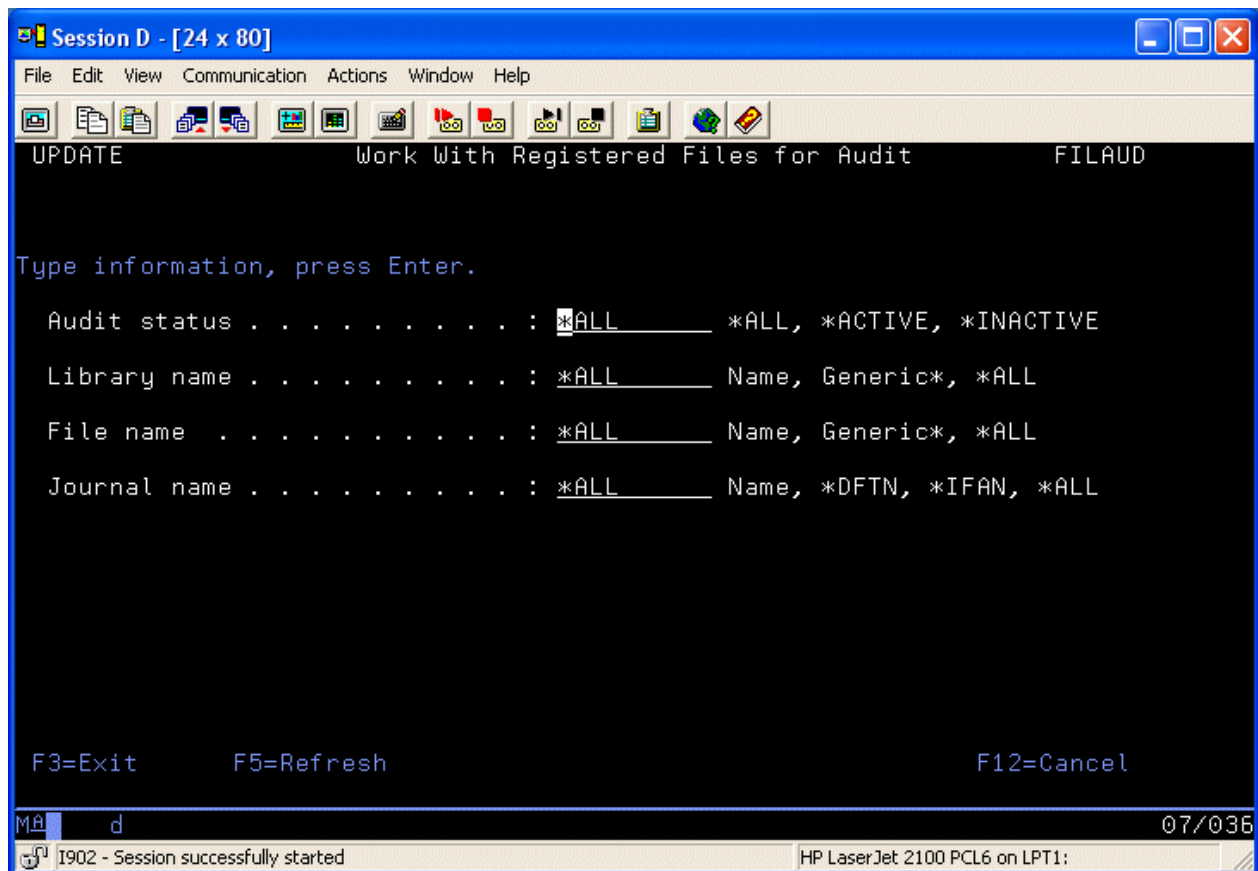
Initially, this display will come up with no items listed. To create your first entry, press the F6 key. Once you have entries defined, this screen will describe the file and tell you the current status of the file. If a file is showing as *INACTIVE, that indicates that the file has been registered but it is not currently tracking activity.

The following options can be used on files that are registered to iFileAudit:

- 1 Will activate a registered file for tracking purposes.
- 2 Will allow you to make changes to certain descriptive fields for the file.
- 3 Will deactivate a registered file to stop tracking processing.
- 4 Will delete a registered file. The file must be at inactive status before it can be deleted.
- 5 Will display descriptive information for the file.

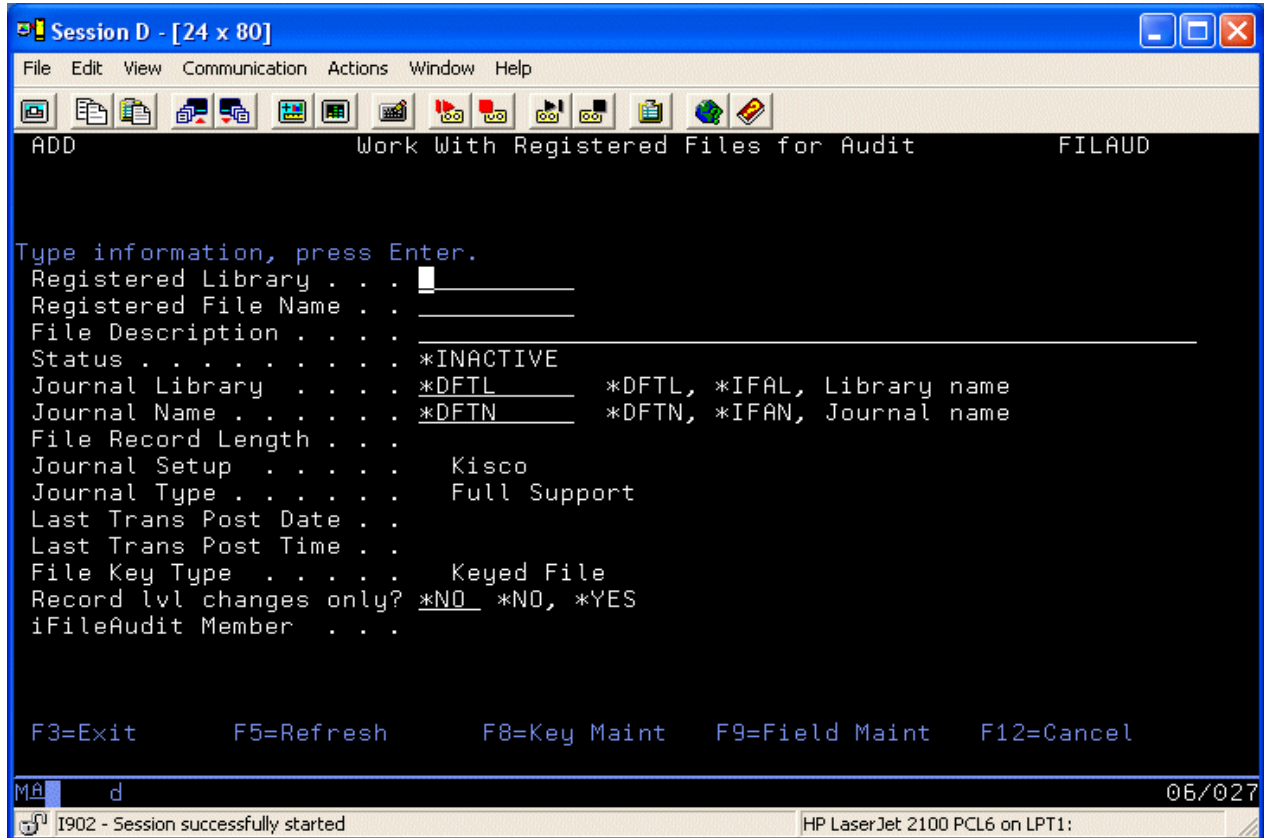
- 6 Will run the iFileAudit analysis process based on the current tracking information stored for the file.
- 7 Will display the tracking information on file from the most recent analysis process.
- 8 Will display information about the system journal objects being used for change tracking purposes.
- 9 Will reset the journal registration for the file. This should be used if a file is recompiled due to file changes and journalling needs to be reactivated

You can limit the number of files that are displayed from this option by applying filter selections. To change the selections, press the F9 key and the following will be displayed:



Fill in the selection criteria that you want applied and press ENTER. The display will now only show those files that meet the filter selection rules. You can start the display with filters in place by using the WRKFILAUD command. Type the command on the command line and press the F4 key to prompt the parameters.

When you press the F6 key to register a new file for tracking purposes, the following screen will be displayed:



To register a file, you will only need to supply the name of the file and the name of the library where the file is stored. When you have completed these two fields, press ENTER and the other fields specified will be filled in. iFileAudit uses file journals available from the operating system (either i5/OS or OS/400). Choose the journal library and name as follows:

- | | |
|-----------------|---|
| *DFTL/*DFTN | Use this value to use default journal setup. If a journal already exists for the file, it will selected and used. If a journal does not exist, one will be created with the same name as the file and it will be stored in the same library where the file is stored. |
| *IFAL/*IFAN | To conserve some disk space, you may choose to use a special shared journal set up by iFileAudit and stored in the iFileAudit library. Multiple files can be journalled into the same journal objects and this will take advantage of this capability of the operating system. It will also give you fewer journals to manage. The journal objects in the iFileAudit library are named IFAJRNL. |
| Library/Journal | To use a specific journal, enter the specific library and journal |

reference here. These must already exist on your system.

When registering new files, the only other variable that you should be concerned about is the option for “Record lvl changes only?”. The default shipped with iFileAudit is *NO, but that default value can be changed from the INSTALL menu. If you leave this value set to *NO, then full support for field level change information will be enforced by iFileAudit. For some customers, existing journals on their system do not capture both “before” and “after” file content images. When this happens, the effectiveness of iFileAudit is limited and a large number of additional analysis records are created by iFileAudit which are of dubious value to you. To adjust for this, you can tell iFileAudit to only create records that indicate which records were changed. This will save on disk space and eliminate a lot of information that is basically unusable. If at all possible, we recommend that you update your journals to allow storage of both the “before” and “after” images to allow for meaningful field level reporting.

After a file has been registered, you just need to activate it in order for tracking to start happening.

When you initially register the file, the file’s object description will be stored with the iFileAudit registration. You can change this once the file has been registered. In addition, several other fields are filled in to help describe the file as follows:

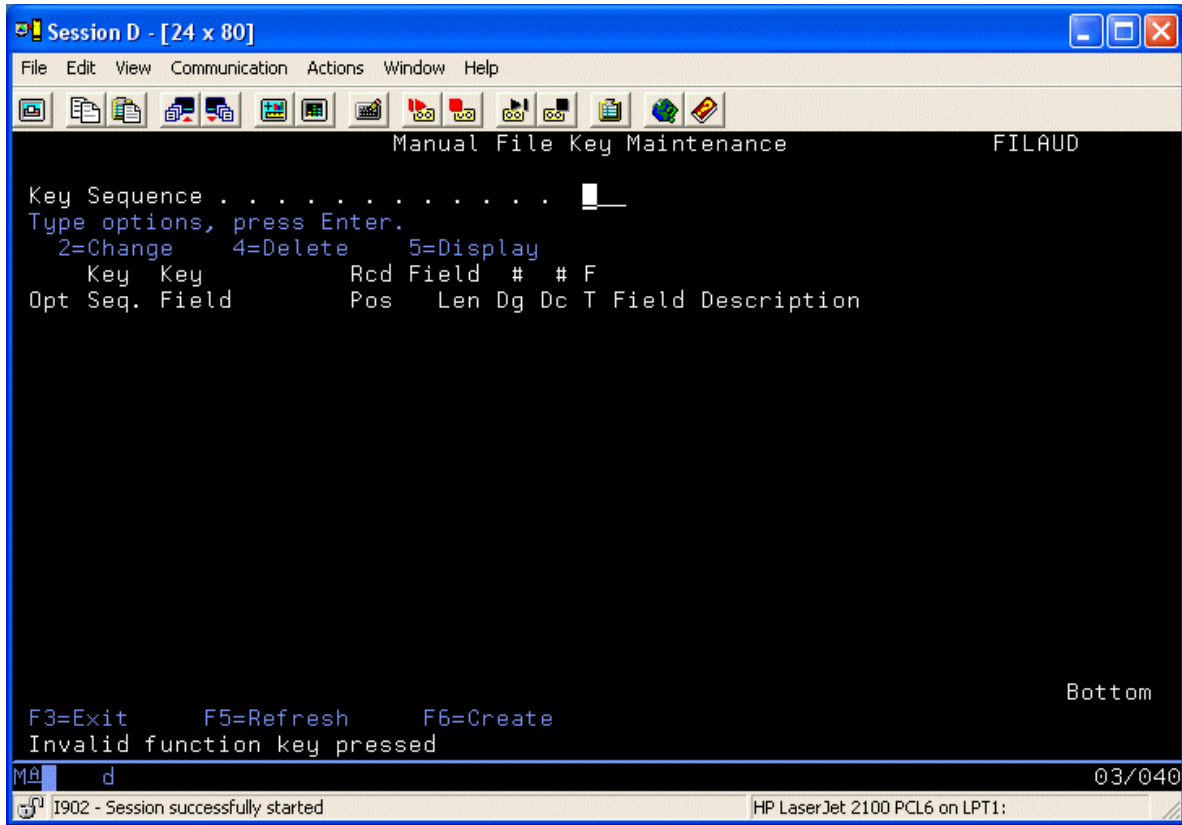
Journal Setup	If this is set to “Kisco”, then the journal is one that is set up by iFileAudit. If this reads “User”, then a pre-existing journal was found during registration and it is the one in use.
Journal Type	“Full Support” indicates that both “before” and “after” field images are available and supported. This is strongly recommended. If this reads “Partial Support”, then only the “after” field images are available and the usefulness of iFileAudit is limited. This will only happen when using your own pre-existing journals that are configured for this limited support.
Last Trans Post	These two fields will report to you the date and time of the last transaction analysis that has been run against this file. On a new registration, these will be blank.
File Key Type	If the file is keyed, this will read “Keyed File”. If the file is a sequential file, this will read “Sequential File, Key maintenance allowed”. For sequential files, iFileAudit supports creation of a manual key to help you identify records in a sequential file. See the following section on function keys from this display screen. If a sequential file has had a key manually entered, this field will show as “Manually Keyed File”.
IFileAudit Member	This is an identifier for an internal name used by iFileAudit and may be requested from you by Kisco support staff in the event of support

issues for the product.

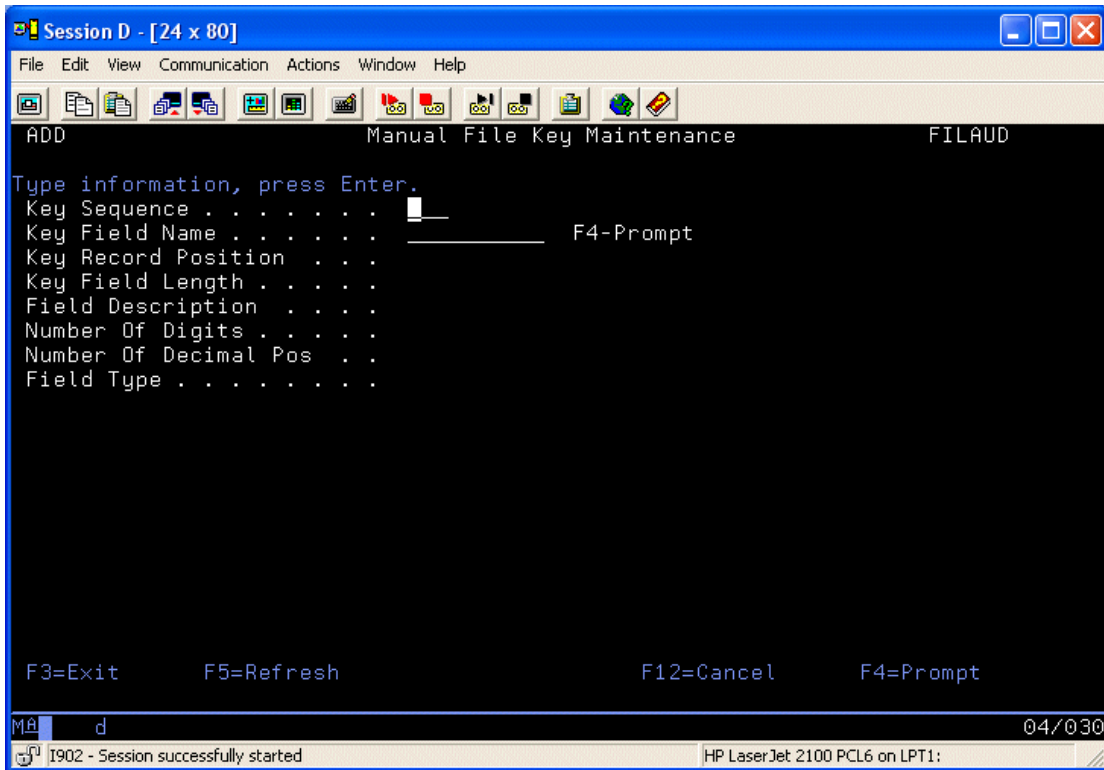
From this screen, you can choose two function key options to further tailor how iFileAudit treats the file you are registering. F8 will let you build your own record key on a sequential file. F9 will let you change iFileAudit processing for specific fields. See the following sections for more information.

Key Maintenance

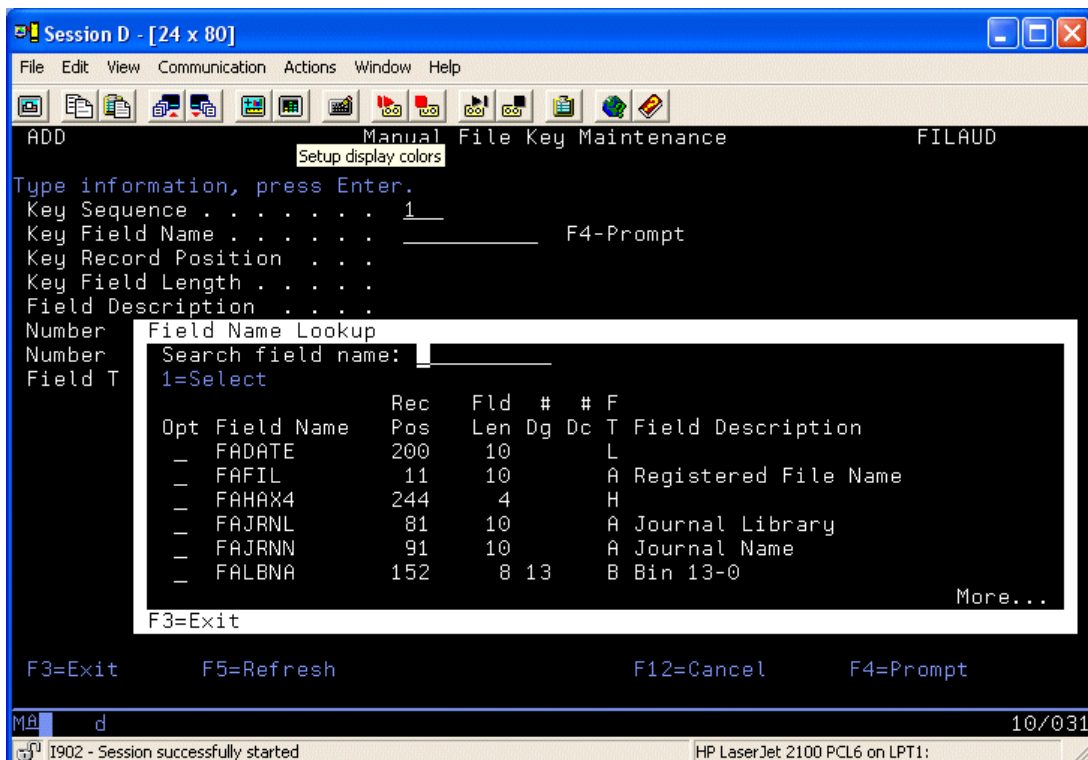
For sequential files, iFileAudit gives you the ability to define a key structure for the file using existing fields in the file. Without a key structure defined, records changed in a sequential file are only identified by their relative record number. When you select the F8 option for a sequential file, the following display will appear:



From here, you can build a manual record key using fields that are available in the registered file itself. To select a field to be used as the key (or part of the key), press the F6 key and the display on the next page will appear:



The key sequence field controls the position of the field within the key. Assign these values sequentially starting with the number one. To choose field names, position the cursor in the Key Field name and press the F4 key. A field selection window will appear as follows:



Field Exclusion

For some customers, there may be critical fields that you are interested in and other fields that you are really not interested in tracking using iFileAudit. You can optionally decide to exclude specific fields from processing by the iFileAudit analysis function.

To access the field exclusion options for a file, press the F9 function key.

When you select the F9 Field Maintenance option, the following will be displayed:

```

UPDATE                               Field Selection Maintenance                               FLDMNT

Input buffer position . . . . .
Type options, Press enter.
2=Change    4=Delete    5=Display

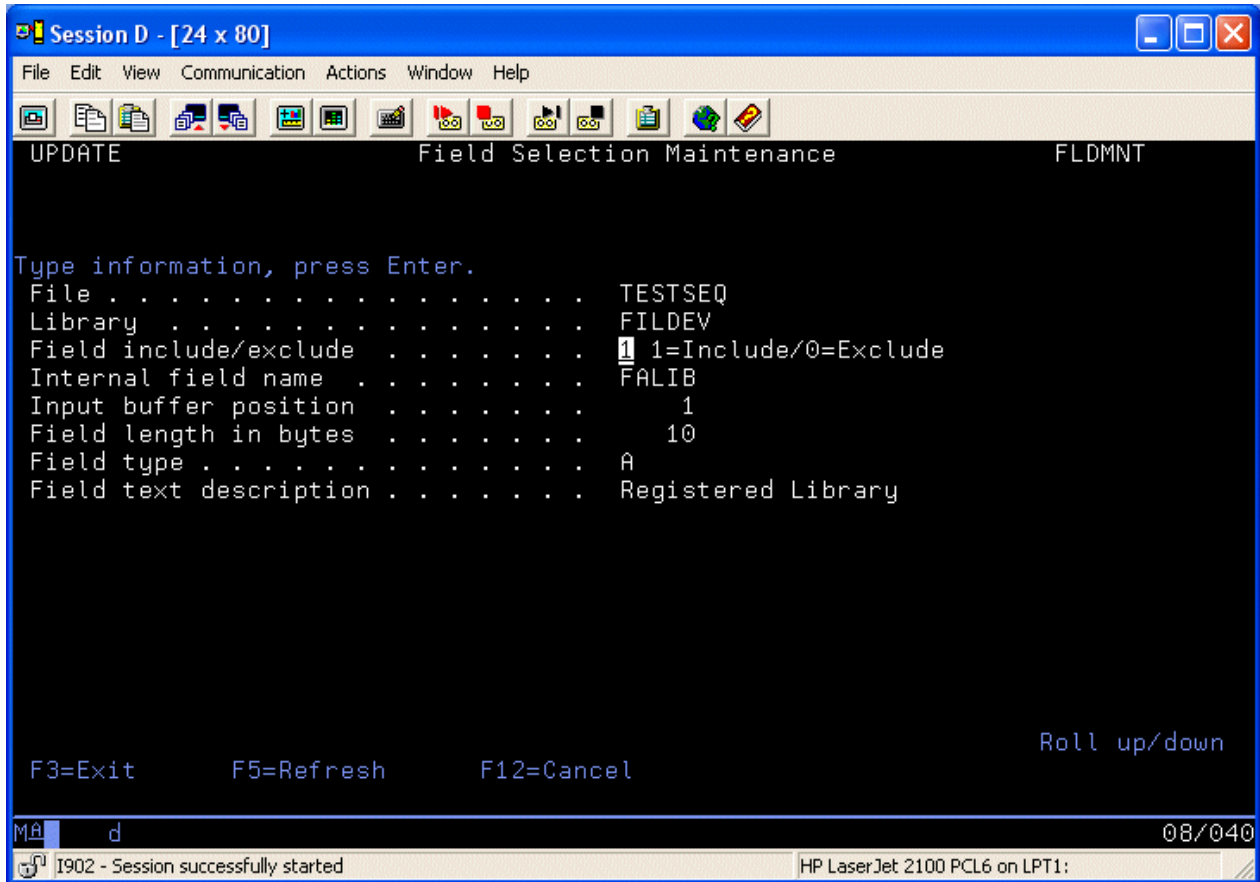
Opt File      Field Name  Inc  Rec  Pos  Len Typ  Field Description
-  -  -  -  -  -  -  -  -
  TESTSEQ    FALIB      1    1   10  A   Registered Library
-  TESTSEQ    FAFIL      1    11  10  A   Registered File Name
-  TESTSEQ    FATEXT     1    21  50  A   File Description
-  TESTSEQ    FASTS      1    71  10  A   Status
-  TESTSEQ    FAJRNL     1    81  10  A   Journal Library
-  TESTSEQ    FAJRNN     1    91  10  A   Journal Name
-  TESTSEQ    FALREC     1   101  5   S   Record Length
-  TESTSEQ    FALBN1     1   106  2   B   Bin 4-0
-  TESTSEQ    FALBN2     1   108  4   B   Bin 5-0
-  TESTSEQ    FALBN3     1   112  4   B   Bin 6-0
-  TESTSEQ    FALBN4     1   116  4   B   Bin 7-0
-  TESTSEQ    FALBN5     1   120  4   B   Bin 8-0
-  TESTSEQ    FALBN6     1   124  4   B   Bin 9-0
-  TESTSEQ    FALBN7     1   128  8   B   Bin 10-0

F3=Exit    F5=Refresh    F6=Add mode
All records processed successfully - continue

MA d                                           08/003
I902 - Session successfully started           HP LaserJet 2100 PCL6 on LPT1:

```

The default setting for all fields is that they are automatically included in the iFileAudit analysis process. To exclude a field, find it in the field list and place a 2 next to it. Press ENTER and the display on the following page will come up:



The only field that you will have access to is the Field Include/Exclude field. Leaving the value set to '1' will include the field in the iFileAudit analysis process. Changing the value to '0' will exclude the field from all iFileAudit processing.

Additional Commands

In addition to the menu options already documented, iFileAudit contains two more standard commands that will help with registering files and updating the registration status of files. Both of these commands let you work on multiple files with a single processing of the command.

The two additional commands are:

 Create iFileAudit Registration (CRTIFAREG)

 Work with iFileAudit Status (WRKIFAREGS)

The Create iFileAudit Registration (CRTIFAREG) command will help you when initially setting up iFileAudit. Using this command, you can register multiple files in a library (or all files) with a single call of the command. You can also, optionally, activate iFileAudit tracking on the files

during the registration process.

The Work with iFileAudit Status (WRKIFAREGS) command lets you activate or deactivate iFileAudit tracking on multiple files in a library with a single call to the command.

To use either command, add the iFileAudit application library to your session library list with the following command:

```
ADDLIBLE FILAUD
```

The type in the command you want to use and press the F4 key to prompt the parameters.

Analyze File

Once a file has been registered and activated, you will need to run the Analyze File option before you can see the tracking information. You can do this using option 6 from the Work With iFileAudit File Registrations display or you can select option #2 from the MASTER menu. When running from the menu, you will need to fill in the file name and library name. The analysis will then run and prepare the tracking information for viewing. If you want to analyze all files in a given library, the command supports the *ALL option. To analyze a group of files, the command also supports the generic* option.

Display File Analysis

Once the Analyze File process has been run, you can then display the results on-line. This can be done from option 7 on the Work With iFileAudit File Registrations display or by running option #3 on the MASTER menu. When you run it from the menu, you will have to enter the filename and library.

The initial file information display will appear as follows:

```

Session D - [24 x 80]
File Edit View Communication Actions Window Help
Display File Audit Details DSPFIL
WEBREPORT WEBADDR WebReport/400 (c) 1998-2004
Start at Date/Time--> _____ / _____
Type options, press Enter.
5=Display 6=Report

  Opt Record Identifier  Aud Update      Update      Field
  Cod Date          Time         Changed     Changed Field
  ─── ──── ─────────── ─────────── ─────────── ───────────
  1  RLTEST             DL 2006-08-23  12.06.07  WEBNAM      New Record
  -                                     FN 2006-08-23  13.23.51  WEBADDRZ    WEBRE
  -                                     MN 2006-08-23  13.23.51  WEBADDRZ    WEBRE
  -                                     FN 2006-08-23  13.23.56  WEBADDR     WEBRE
  -                                     MN 2006-08-23  13.23.56  WEBADDR     WEBRE
  -  NOTME              FA 2006-09-28  17.10.37  WEBABV      NOTME
  -  NOTME              FA 2006-09-28  17.10.37  WEBAIN      sam@yahoo.com
  -  NOTME              FA 2006-09-28  17.10.37  WEBNAM      Testing 9/28/20
  -  NOTME              FU 2006-09-28  17.11.43  WEBNAM      Testing 9-28-20
  -  NOTME              FU 2006-09-28  17.14.31  WEBNAM      For testing
  -  KISCO              FA 2006-10-02  12.52.27  WEBABV      KISCO
  -  KISCO              FA 2006-10-02  12.52.27  WEBAIN      support@kisco.c
  -  KISCO              FA 2006-10-02  12.52.27  WEBNAM      Kisco Technical
  -  KISCO              FA 2006-10-02  12.52.27  WEBORG      Kisco Informati
  F3=Exit                                     More...
  F5=Refresh  F7=By User  F8=By Field  F9=By Key  F10=Key/Field  F11=Report
  MA d 08/003
  
```

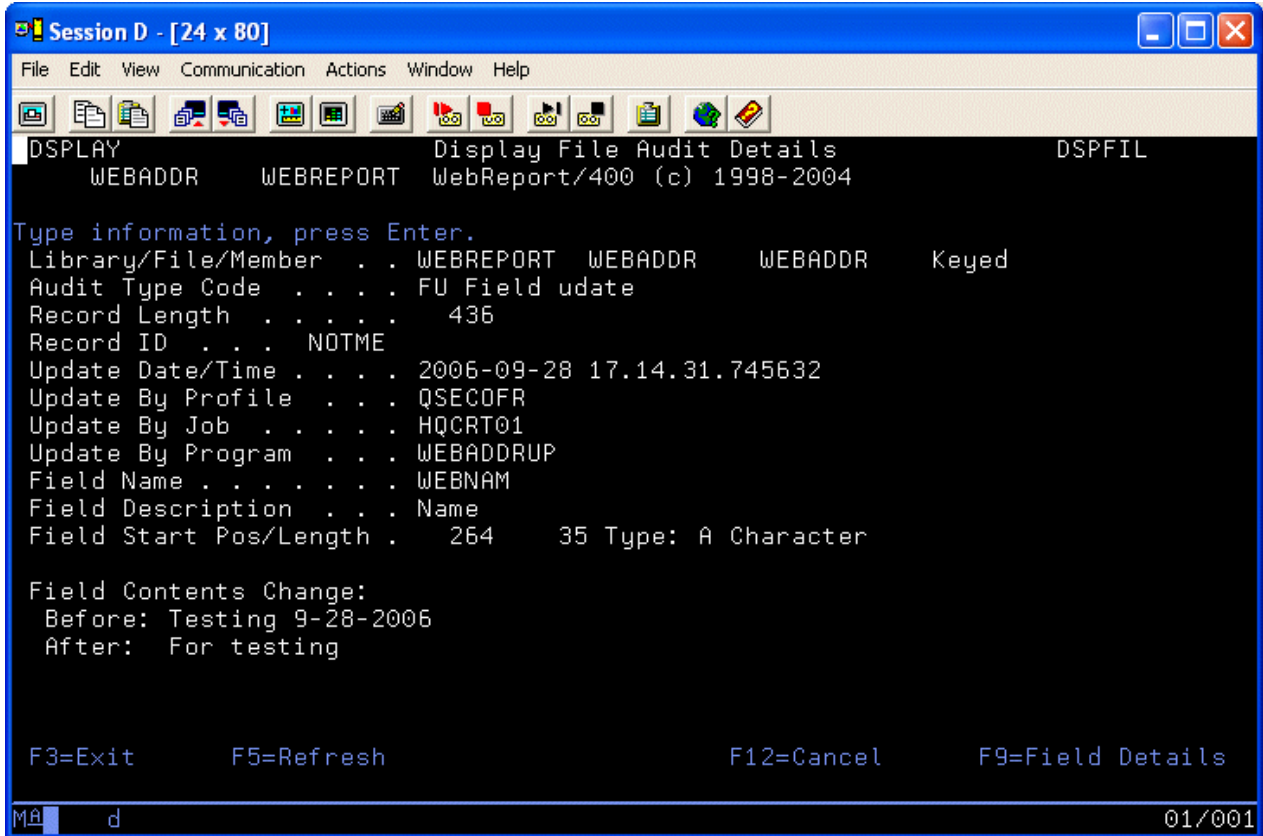
This display will show you all of the file changes that have been made to this file in chronological order. For details about a specific change, place a 5 next to the line in question and press ENTER. A detail screen will be displayed. You can also use option 6 on any line to start a report prompt using the values for the record displayed.

From this screen, you can choose alternate views of the information that may help you to zero in on the specific information you are looking for:

- F7 Will display the information organized by the user profile
- F8 Will display the information organized by field name

- F9 Will display the information organized by the record key for the file
- F10 Will display the information by record key and field name for the file
- F11 Will start a report session for this information to produce this on a printed report

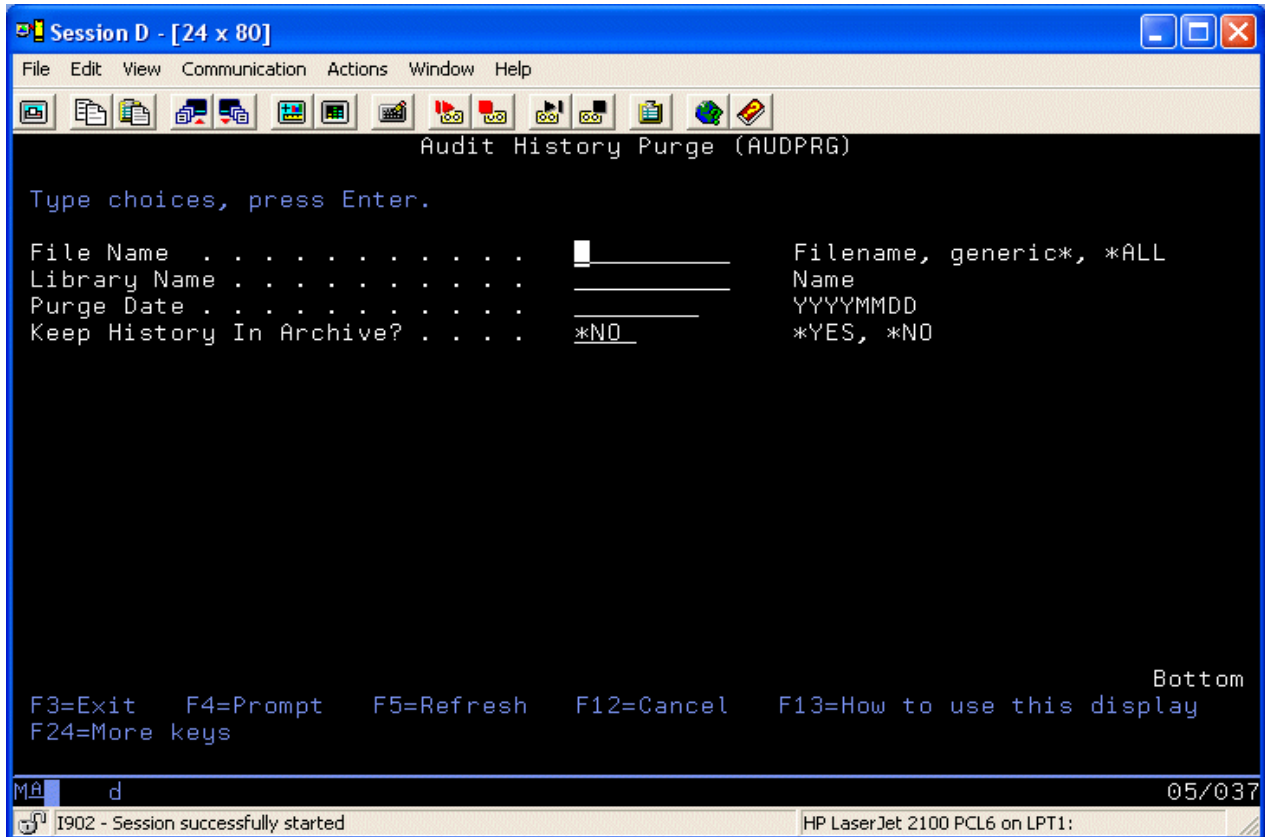
The detail information screen will provide you with detail information about the specific change. A typical detail screen might look like this:



Information on this screen will tell you the type of change that was made, a date and time stamp of when the change was made, the user profile that was used and the job name and program name that was used. Field contents will also be displayed. For new fields added and fields deleted, the field contents will be shown. For field changes, both the before and after field contents will be displayed.

Purge File History

Option #6 on the MASTER menu will let you remove audit information about a file from the history kept by iFileAudit. When you select this option, the following screen will be displayed:



Enter the parameters as follows:

- | | |
|--------------------------|--|
| File Name | Enter the name of the file for which you want to purge audit information from iFileAudit. To purge for all files in a library, use the special value of *ALL. To purge a group of files in a library, use the generic* option. |
| Library Name | Enter the name of the library where the file or files to be purged are stored. |
| Purge Date | Enter the purge date you want to apply in form YYYYMMDD. All record prior to this date will be removed from iFileAudit. |
| Keep History In Archive? | If you change this value to *YES, the purged audit history will be transferred to a member in file FAANZARC in the |

FILAUD library.

When the parameters are set, press ENTER and the information purge will process. This purge uses a standard OS command object called AUDPRG which can be used in your own CL programs if you choose to automate this process.

Reports

Using menu options 7 through 11 on the MASTER menu, you can run a variety of reports for iFileAudit information on the files that are registered and active. Each of these reports can be run for selected information. When you choose each menu option, it will prompt you for the file to be reported and the selection criteria for the specific report in question.

You can also run any of these reports from the analysis display function. Generally, the F11 function key will prompt for the report associated with the display. You can also use option 6 on the displayed record line to prompt for a report using the record values.

Installation and Configuration

Before any iFileAudit functions will work, the initial install procedure must be run. iFileAudit can be installed from media received with a shipment from Kisco Information Systems or from a download file obtained from the Internet. If you received a direct shipment from Kisco, use the *Installation from Media* instructions. If you downloaded a file from the Internet, use the *Installation from Internet* instructions.

Installation from Media

You can install iFileAudit by following these easy instructions:

1. Sign on using the QSECOFR user profile.
2. Check the following system values. They should be set as indicated here. If they are not, note the current settings then change them to these settings:

QALWOBJRST - *ALL
 QVFYOBJRST - value 3 or lower
 QFRCCVNRST - value 0

3. Place the installation CD in your system's CD reader and key the following command:

LODRUN DEV(xxxx)

where xxxx is the name of your CD drive (normally "OPT01").

4. During installation, iFileAudit does the following:
 - Checks to see if this is a new install or an update install.
 - For update installs, the old iFileAudit program library is saved in library FILAUDOLD and history information is transferred to the newly installed library.
 - For new installs, the software is initialized for the free 30 days trial period.
 - Additional documentation is printed which covers topics that have been added or changed since this user documentation manual was last printed.
5. When the command finishes, the iFileAudit Master Menu will be displayed.
6. If you changed any system values at step #2, reset them back to their original values now.

When the procedure finishes, your copy of iFileAudit will be successfully installed for your thirty day trial period. At the end of the trial period, iFileAudit will cease functioning until either an extension password or a permanent password is entered. The additional documentation printed during the installation covers features and functions that have been added or changed since your

copy of the manual was printed. Before using iFileAudit, please review this manual and the additional documentation in detail.

If you upgraded from an earlier release of iFileAudit, you may delete the library named FILAUDOLD created during the installation after you are certain that the new release is working to your satisfaction. Kisco recommends keeping the FILAUDOLD library on your system for a period of at least two weeks.

Release Upgrade Installation

When Kisco Information Systems completes work on a new Release of iFileAudit, you will be notified of the availability for the new release. New releases are normally shipped on install media rather than via the Internet.

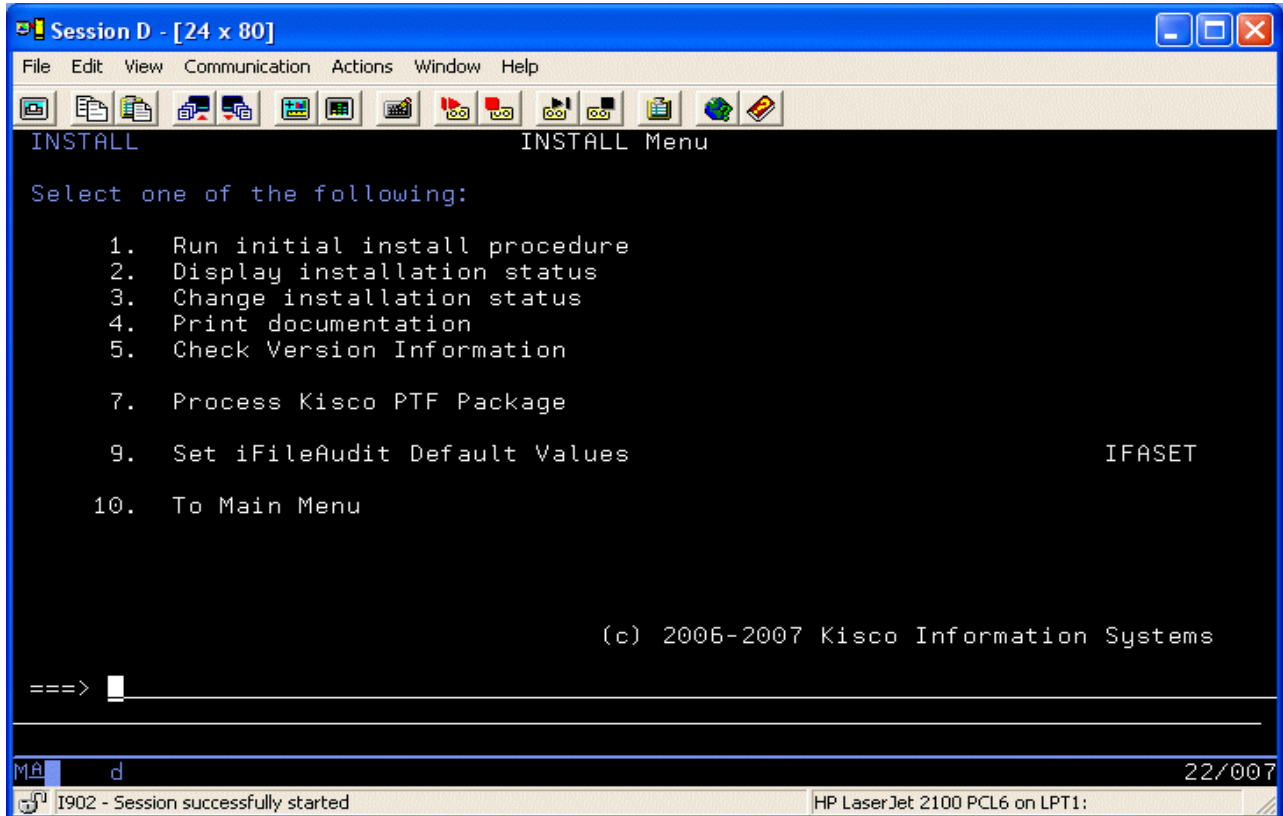
To install an upgrade from media received from Kisco Information Systems, follow the instructions provided along with the upgrade install media.

Installation from Internet

We recommend that you use the install instructions from the iFileAudit Download web page. After you download the install file from the website, please print the Download page and use it for reference while completing the installation.

The Install Menu

When you select item 10 from the main menu, the installation menu is displayed as follows:



Menu items perform the following functions. Each function is discussed in greater detail later in this document:

- | | |
|------------------------------------|--|
| 1. Run initial install procedure - | Do not use this option unless directed to do so by Kisco Support staff. This option is automatically run during normal install processing. |
| 2. Display installation status - | Displays a screen showing the current installation status for the software. |
| 3. Change installation status - | Displays the current software installation status and allows for changes to be made. |
| 4. Print documentation - | Prints this documentation manual to the default print device. |
| 5. Check Version Information - | Displays information about the specific version of iFileAudit that is installed on your system. |

- 7. Install Kisco PTF package - Allows you to process a corrective PTF package received from Kisco for program fixes.
- 9. Set iFileAudit Default Values Lets you set up default settings for iFileAudit.
- 10. To Main Menu - Will display the iFileAudit MASTER menu.

Display installation status

At any time, you can check the current installation status of your copy of iFileAudit by selecting this menu option. You must be signed on with security authority of QSECOFR or equivalent. The following screen will be displayed:

```

Session D - [24 x 80]
File Edit View Communication Actions Window Help
Free Trial -- Dynamic Software Security -- INSTALLATION Procedure

Installation for      FILAUD      Developer ID code  KISCO
Machine serial number 105049M   Current Library    FILAUD
Sec.serial number     105049M   Sec.install date. 061018
Machine run date....  061019     Sec.expire date.. 061115

Security Status INSTALLED ON TRIAL.....Z-004

Please enter:
Type of install ..... █      T for trial, or P for permanent
Install password ....         Blank for trial, or permanent password
New expire date.....         Blank for trial, or 999999 for permanent

Cm3,7-Return to menu      HELP          ENTER-process installation

Free Trial (c)1990, 1992 Monahan
MA d 17/031
  
```

The message at the center of the screen indicates your current installation status. You should also check the Sec. expire date for an expired trial period. iFileAudit may still show as installed on a trial basis but, if the trial is expired, it will no longer function.

The following are the possible status messages that can appear on this display:

<u>Message</u>	<u>Explanation</u>
Z-001 NOT INSTALLED	Trial installation not started
Z-002 TRIAL EXPIRED	Trial period has ended
Z-003 PERMANENTLY INSTALLED	Software is permanently installed
Z-004 INSTALLED ON TRIAL	Software is installed on trial
Z-005 PASSWORD NOT ACCEPTED	Password keyed is not valid
Z-006 WRONG LIBRARY	Programs must run from our library
Z-007 PLEASE RUN TRIAL INSTALL	Must have trial install before perm.
Z-008 INVALID INSTALL REQUEST	Must be P or T
Z-009 INVALID SECURITY (REC#6)	Call Kisco
Z-010 INVALID SECURITY (NO ZZ)	Call Kisco

Z-011 INVALID SECURITY (HASH.) Call Kisco

Change installation status

To make changes to your installation status, use this menu option. The changes processed can include both a trial period extension and permanent installation. You must be signed on with QSECOFR security authority or equivalent. When you select this option, the following screen is displayed:

```

Session D - [24 x 80]
File Edit View Communication Actions Window Help
Free Trial -- Dynamic Software Security -- INSTALLATION Procedure

Installation for          FILAUD          Developer ID code  KISCO
Machine serial number    105049M      Current Library    FILAUD
                        105049M      Sec.serial number  105049M
Machine run date....    061019      Sec.install date. 061018
                        Sec.expire date.. 061115

Security Status INSTALLED ON TRIAL.....Z-004

Please enter:

Type of install ..... █          T for trial, or P for permanent
Install password ....           Blank for trial, or permanent password
New expire date.....           Blank for trial, or 999999 for permanent

Cm3,7-Return to menu          HELP          ENTER-process installation

Free Trial (c)1990, 1992 Monahon
M d                               17/031

```

Trial extension

To extend a trial period, contact Kisco Information Systems and request an extension. We will provide you with an extension password and new expiration date. On the above screen, enter the following:

Type of install	Enter 'T' for trial
Install password	Enter all six digits of the extension password provided, including any leading zeros
New expire date	Enter the new expiration date in the format YYMMDD (ie: Jan 12, 2006 would be 060112)

When the parameter fields have been completed, press enter to reactivate your software.

Permanent installation

To permanently install your software package, use the permanent password provided by Kisco Information Systems following receipt of payment. On the above screen, enter the following:

Type of install	Enter 'P' for permanent
Install password	Enter all six digits of the extension password provided, including any leading zeros
New expire date	Enter all 9's (ie: 999999)

When the parameter fields have been completed, press enter. Your software is now permanently installed.

Print additional documentation

At any time, you can reproduce the additional documentation by using this menu option. A full copy of the additional documentation topics will be printed.

Display Software Version Information

This menu option will display the current release level and PTF information for your version of iFileAudit. The developer may need to verify this when working with you on a support issue.

Install Kisco PTF Package

iFileAudit supports distribution of program updates remotely via the Internet. When programs in iFileAudit are updated or program fixes are required, Kisco Information Systems can send the updates directly to you via the Internet. If needed, we will send E-mail to you with an attached PC file. This file, when loaded into a folder on your system, can be used to post program updates and changes to your copy of iFileAudit.

When you receive a PTF update package from Kisco, you will be given an eight character PTF Package Name. To load and apply the PTF to your system, follow these steps:

Step# Instructions

1. Create a folder on your system named KISCO. You can do this with the following command:

```
CRTFLR FLR(KISCO)
```

Note: This folder only has to be created the first time you install a PTF.

2. From a PC that is attached to your system, move the PTF Package file that you received from Kisco into this folder. If you are not familiar with this process, please check the following URL at the Kisco website for specific instructions:

```
http://www.kisco.com/pctoflr.htm
```

3. Sign on to any terminal or terminal session as QSECOFR.
4. Make sure that no iFileAudit functions are in use and that no users are logged into any iFileAudit menu.
5. Type the following command:

```
FILAUD/KISPTF
```

and press the F4 prompt key. You can also choose option #7 from the INSTALL menu.

6. The command will prompt for two values. The first is the name of the iFileAudit application library and should not be changed. The second command must contain the eight character name of the PTF Package File. When both parameters are set, press ENTER and the PTFs will be loaded and applied to your copy of iFileAudit.
7. All Kisco PTFs are loaded so that the prior version of any program objects is saved. This will allow for the effects of a PTF to be reversed at a later time should a defect be identified in the PTF. This can only be done via direct instruction from a Kisco support

representative.

During the PTF installation process, one or two printouts can be created. The first of these will be the PTF Cover Letter Documentation. The second is optional and, if printed, will be a fresh update of the additional documentation topics for all iFileAudit changes. Kisco recommends that you read both documents before starting to use iFileAudit again.

iFileAudit Global Settings

Choose menu option #9 from the INSTALL menu to set the global settings. The following prompt will be displayed:

```

Session D - [24 x 80]
File Edit View Communication Actions Window Help
Set iFileAudit Values (IFASET)

Type choices, press Enter.

Journal process scope . . . . . > *CURCHAIN_   *CURCHAIN, *CURRENT
Member name prefix . . . . . > IF           2 letter code
Record level changes only? . . . > *NO_      *NO, *YES

F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys

Bottom
Mâ d 05/037
I902 - Session successfully started HP LaserJet 2100 PCL6 on LPT1:

```

Set these parameters as follows:

Journal process scope

Choose one of the following values:

*CURCHAIN - recommended - when the iFileAudit analysis process runs, all journals on the system for a file will be

searched for transaction activity.

*CURRENT - only the current active journal will be searched.

Member name prefix Only change this value at the direction of support staff from Kisco Information Systems.

Record level changes only? Choose one of the following values as your system-wide default setting:

*NO - recommended - all field level changes will be captured and reported by iFileAudit.

*YES - not recommended - only record level information will be captured. No field level information will be reported. (Normally only used for customers who have existing journalling in place that does not report both the “before” and “after” record images.