

iResetMe

Version 2.01

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Introduction

iResetMe is a browser-based IBM i solution for resetting end user passwords when they have expired, been forgotten or become disabled. For most installations, this process is handled by a help desk, but implementing iResetMe lets you move this password reset function back to your end users. Once a user has been enrolled and activated, if they need to reset a failed password, it is just a matter of going to the iResetMe start page and then completing the reset process by answering a series of personal questions that have already been provided and stored on your system.

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

Overview

iResetMe will let you move the task of password resetting over to your end users and away from your Help Desk staff.

After the installation process is completed, you will have to enroll each user profile that you want to be able to perform their own password resets. This can be done interactively on a profile by profile basis (recommended when you are evaluating iResetMe) or it can be done in batch to enroll multiple profiles all at once.

Once a profile has been enrolled, it must then be activated. The activation is done from a browser session and must be completed by the end user. To be able to activate their enrollment, the user must have a valid current password and their profile may not be disabled. The activation process will pose a series of personal questions which the user must answer. Their answers will be stored on your system.

After a user has been enrolled and then activated, they are able to perform their own password resets. If their user profile becomes disabled or the user has forgotten their password, all the user needs to do is start a browser session in iResetMe. The session will request their user profile and then lead them to enter the responses to the personal questions already provided. If all of the questions are answered exactly the same as when they were originally recorded, then they will be given the chance to enter a new password and their profile will be reactivated. All new passwords must meet current system password requirements as controlled by system values.

If an end user password reset session fails, then the profile will be locked out from iResetMe and a manual reset process will be required. The number of attempts to failure can be set by you. The default setting shipped with the software is three. Failed password resets can be monitored by up to five different user profiles.

All events processed by iResetMe are logged to an activity log. This log can be displayed and/or listed for tracking of events.

Note: iResetMe will not work for any user profiles that start with the letter Q.

An optional feature added with iResetMe Release 2 allows your system to monitor for user profiles being disabled and automatically send an email prompting a password reset to the owner of the user profile. Using this feature is optional and must first be activated. Once it is active, then new

users being registered to iResetMe will be asked to provide their email address. Following this, a confirmation email with an imbedded link will be sent to the email address provided. The user must then respond to this email within a short period of time, completing the email validation.

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. iResetMe can be installed from distribution media supplied by Kisco Information Systems or from a download file from the Internet. The initial installation will allow iResetMe 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 iResetMe, you must send your payment to Kisco Information Systems. At that time, Kisco must know the serial number for your system, the partition number where you have iResetMe installed and the number of user profiles to be controlled on 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/partition/active user numbers, they will issue a password to you. This password, when applied, will certify your copy of iResetMe 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



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Via Laietana 20
08003 Barcelona, Spain
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email: att@att.es



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email: att@att.es

World Wide Web Support

You can also 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 iResetMe can be found at this address:

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

At our Website, you will find:

- Product information about all Kisco software products for the IBM i.
- Customer support information including:
 - ▶ Latest release level information for all products
 - ▶ Technical bulletins
 - ▶ Frequently asked questions and answers
 - ▶ Problem reports including iResetMe 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 iResetMe enhancements and changes.
- and more

The first time you visit the Customer support section of our website for iResetMe, 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 iResetMe 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.

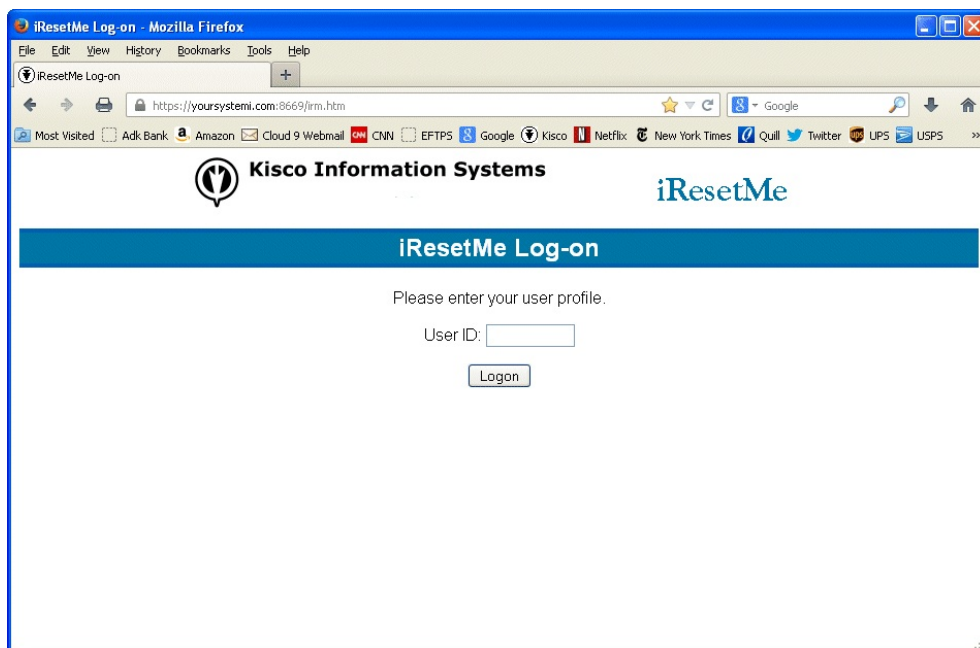
Using iResetMe - User Activation

To use iResetMe, a user profile must first be enrolled. This is completed interactively using option #1 on the MASTER menu (see below). Once a user has been enrolled, then the end-user needs to complete an activation process. This is done by going to the iResetMe browser session using the following web address:

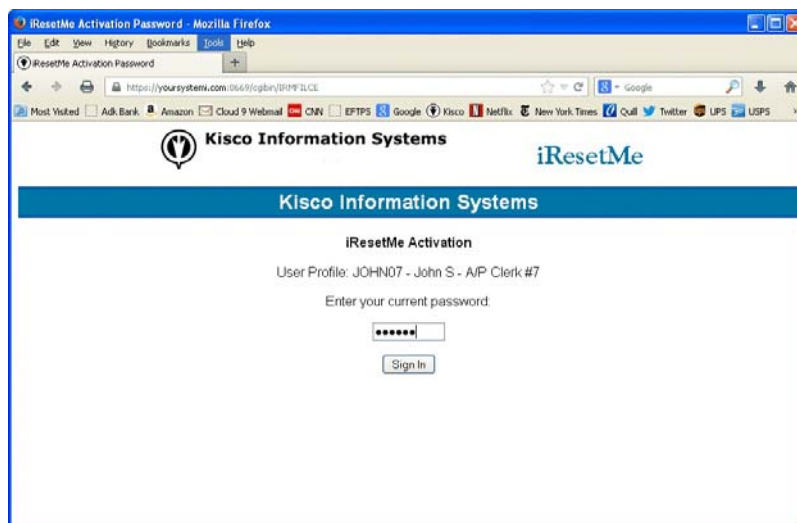
<https://yoursystemi.com:8669/irm.htm>

Replace the *yoursystemi.com* with the address of your IBM i server.

This will display the following page:



The user must enter their IBM i user profile in the box provided, then click on the Logon button. The user's current password will then be request as follows:



Once the signon has been completed, then the activation panel is presented as follows:

This panel will display from 1 to 5 personal challenge questions. As shipped, the default is for three questions as shown here. The user must select three different questions and provide unique personal responses for each. When you click on the down arrow, you will see the entire list of questions that are available, like this:

All questions must be selected and responded to before the Post button is selected. Users must also keep track of the exact responses. They are case sensitive. If a response is entered in all lower case, then the validation process during a password reset will look for the response being in all lower case too.

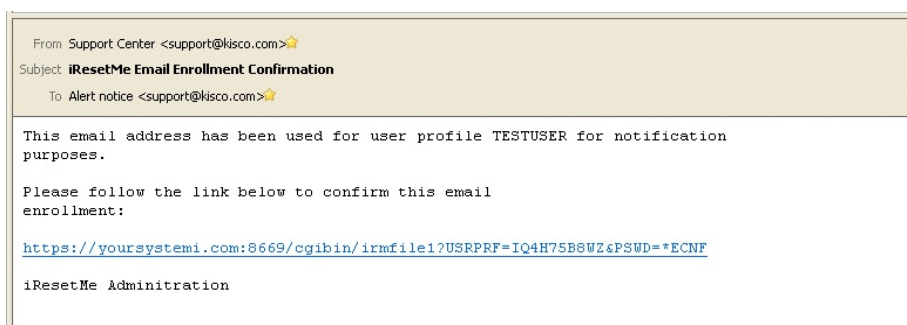
When all questions have been selected and the associated responses entered, use the Post button to complete the activation process. A confirmation process will advise you that the activate has been completed successfully. At this point, the user has been activated and can use the iResetMe password reset process when their password becomes disabled.

If your system is configured for automatic email notification, then the activation display will look a little different. In addition to the question responses, one additional field will be included for the end user's email address.

If the end user does not want to use the email notification feature, the additional field for email address can be left as *NONE. To use the email notification feature, however, the user must replace the *NONE value with a current valid email address.

After posting the question responses with the email address, iResetMe will send an email to the recorded email address asking for email address confirmation. To complete activation of the email notification feature for this user, that email must be opened and the link in the email address must be followed using the same client computer where the browser registration has been completed. This must be completed within an hour of the initial registration.

The email to the end user should look like this:



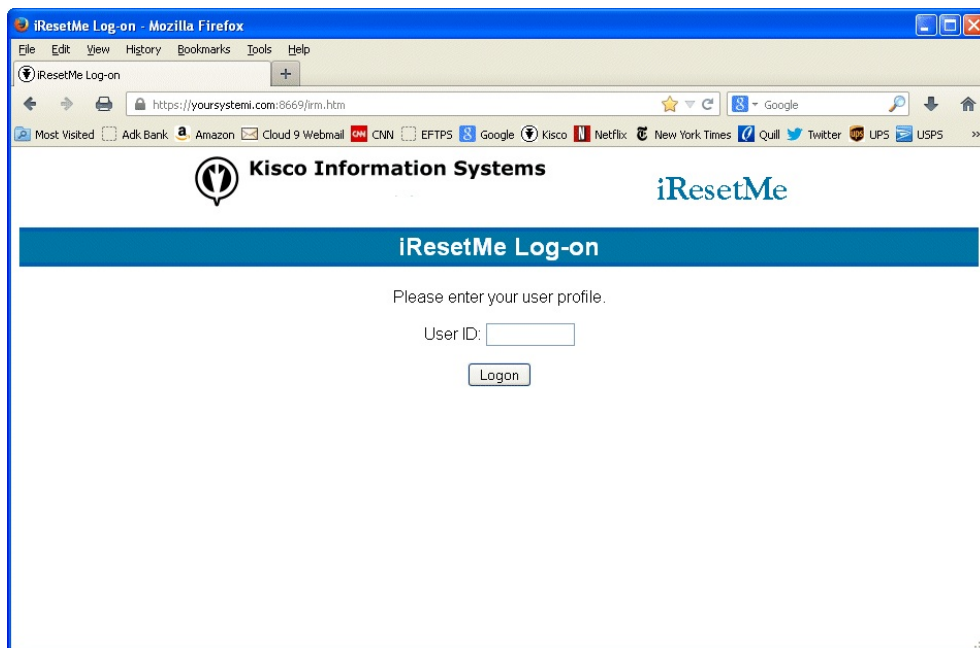
Following the link will confirm the email address registration.

Password Reset Process

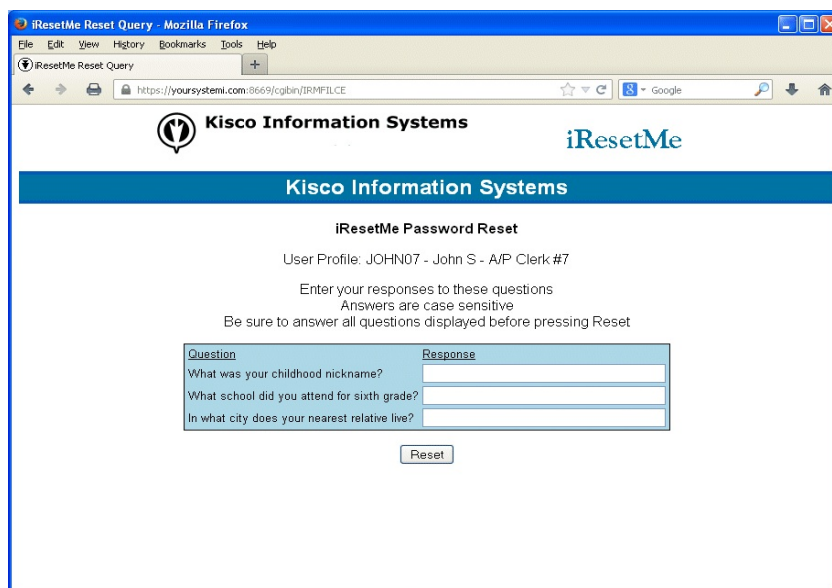
When a user's user profile has become disabled due to incorrect logon attempts, then the user can reset their own password using the iResetMe Password Reset process from a browser session. Only users who have been enrolled and subsequently activated can use the reset process. To start the process, the user must go to their web browser and type in the following address:

<https://yoursystemi.com:8669/irm.htm>

This will display the following page:



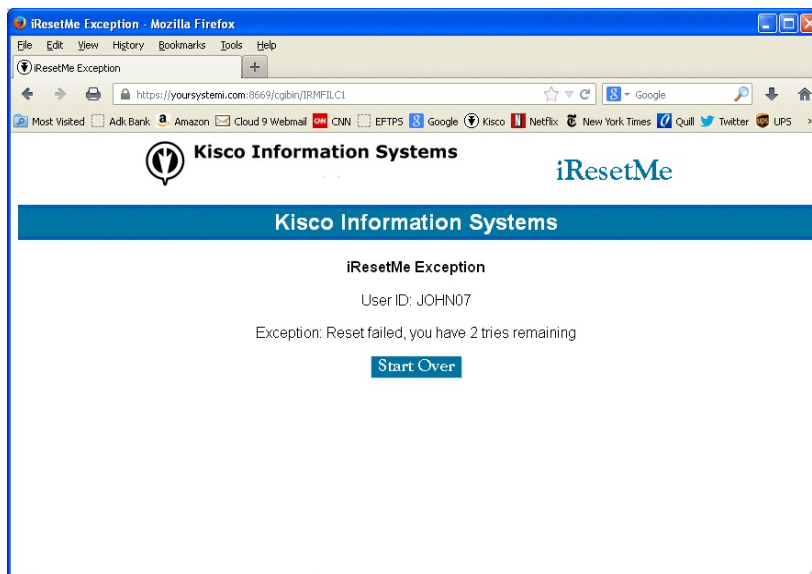
The user must enter their IBM i user profile in the box provided, then click on the Logon button. Since their profile is now disabled, iResetMe will take them to the following challenge/response question page:



Question	Response
What was your childhood nickname?	<input type="text"/>
What school did you attend for sixth grade?	<input type="text"/>
In what city does your nearest relative live?	<input type="text"/>

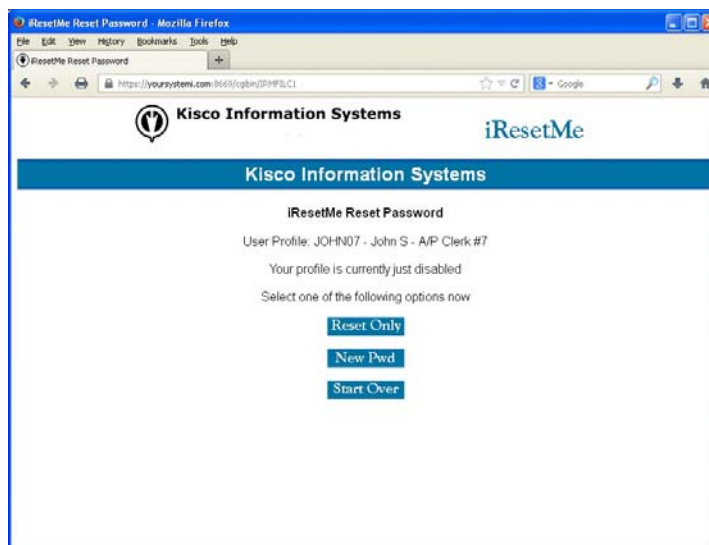
The challenge questions that were answered during the activation process for the user will be shown along with entry boxes where the correct answers must now be entered. Remember that the responses are case sensitive and must be typed exactly the way they were answered during activation. When typing the responses, the actual characters being entered will not be shown on the display for security reasons. Make sure that all of the questions are answered before pressing the Reset button.

If any of the answers are wrong, an exception panel will be displayed like the following:

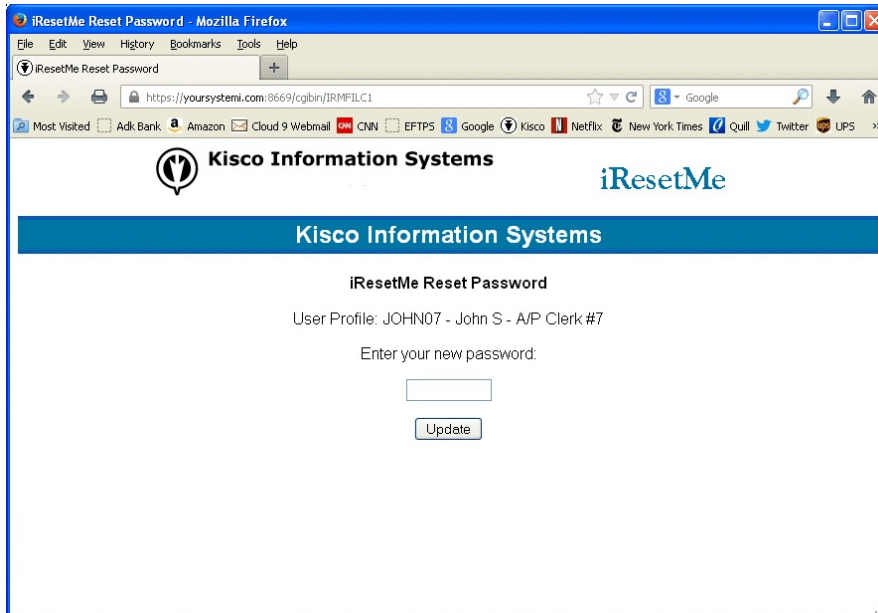


Note that the display will show the number of remaining tries that are available. If the questions are not answered correctly in the given number of tries, then iResetMe will issue a lockout on the user profile and a security officer or help desk technician will have to perform a manual reset for the profile.

If your user profile is just disabled and you don't need a new password, you may see the following next:



In this case, if you just want to enable your profile without a new password, select the “Reset Only” box. Otherwise, select the “New Pwd” box and the following reset display will appear:



The screenshot shows a web browser window titled "iResetMe Reset Password - Mozilla Firefox". The address bar shows the URL "https://yoursystemi.com:8669/cgi-bin/IRMFILC1". The page content includes the Kisco Information Systems logo on the left and the iResetMe logo on the right. Below these logos is a blue header bar with the text "Kisco Information Systems". Underneath the header, the text "iResetMe Reset Password" is displayed, followed by "User Profile: JOHN07 - John S - A/P Clerk #7". Below this, there is a text input field labeled "Enter your new password:" and an "Update" button.

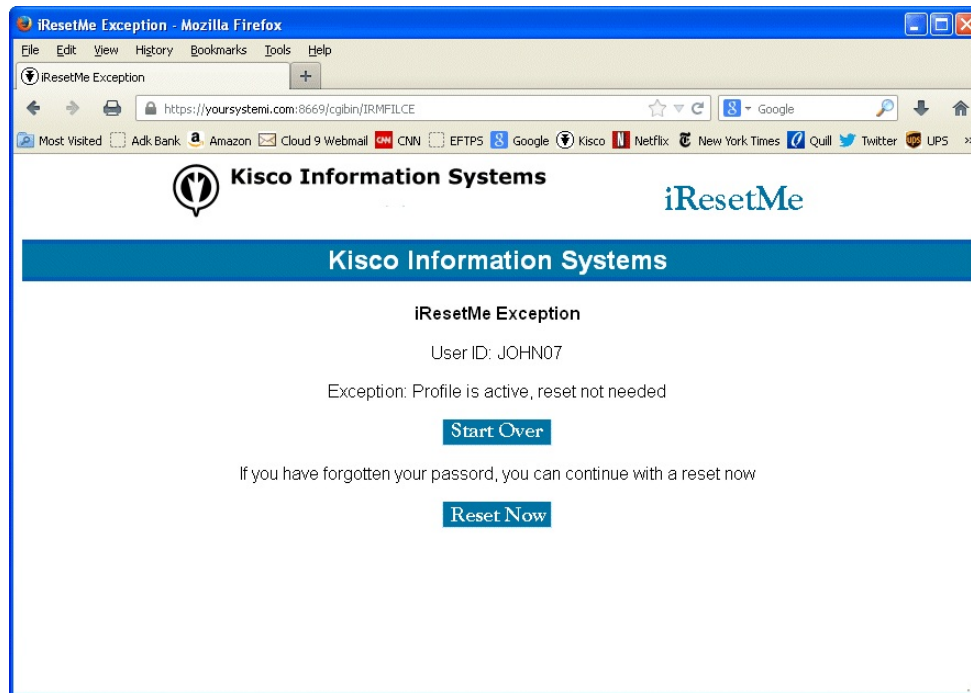
At this point, the new password that the user wants to use must be entered. As the password is typed, the characters will be hidden on the display. Remember that all system password rules that we in effect for your IBM i shop must be adhered to including things like not repeated previous passwords. Check with your IBM i security officer for a list of password rules that are in effect. They can be very different for each installation. Your installation may optionally show the current password rules in effect on this panel.

If a password reset fails, this same display will be repeated but with an exception message shown that describes why the password failed. A new password can then be entered again until the system reacts with a system level lockout of the user profile.

Once the new password has been accepted, a reset confirmation will be displayed and the user profile will be available for use on the system again. The browser session can then be ended.

Forgotten Password Reset

If a user forgets their password, but their profile is still active (enabled), they can still use iResetMe to specify a new password for their profile. This process starts with the same page as the previously described password reset process. After keying in their user profile, the following exception information will be displayed:



The user will be advised that their profile is still active. If they want to continue to attempt to use the currently active password, they can exit here by selecting the Start Over button. If the user wants to continue with a password reset process, they just need to select the Reset Now button. When the Reset Now button is used, iResetMe will bring up the challenge questions for the user and the reset will proceed as documented.

Automatic Email Notification Feature

With Release 2 of iResetMe, an automatic email notification feature has been added to the software. This feature will set up a monitor function on your system to check for user profiles that become disabled. When a user profile that is registered to iResetMe is disabled, provided that a valid email address for the user has been registered and confirmed, then an automatic email message will be sent to the user advising them that their profile has become disabled and giving them a link to follow to start the reactivation process.

Email Configuration Requirements

Before the email notification feature can be used, there are several configuration requirements that must be met as follows:

1. The IRMSET must be run (option #9 on the INSTALL menu) to record a valid support email address and the iResetMe browser address. You must set this before the next step.
2. A test email must be sent to confirm that your system is capable of sending email using the feature in iResetMe. This can be done using option #12 on the INSTALL menu. If the email fails to send, contact Kisco Information Systems for help with configuration of email on your system. Do not proceed with implementation of the email option until this is resolved.
3. For the notification monitor to work, your system must be configured for security event notification through a special message queue named QSYSMSG in the system library named QSYS. Check the QSYS library for this object. It will have an object type of *MSGQ. If the object does not exist, it must be created. You can use the following command:

```
CRTMSGQ MSGQ(QSYS/QSYSMSG) TEXT('System Security Messages')
```

The QSYSMSG message queue will then be recognized by the IBM i OS. Important messages about security issues will then be posted to this message queue. iResetMe will then include a monitor function to watch this message queue for information about user profiles that become disabled.

Notification Monitor

After the configuration has been set up and verified, all new users registered to iResetMe will be asked for an email address. The email address must be verified before it will be available for use.

iResetMe will then watch for disabled user profiles on the QSYSMSG message queue. There is a task that you must start for this to work. When you start the IRESETME server instance using menu option #7 on the MASTER menu, you will be given a parameter option to also start the monitor. The default value is not to start it, so you will have to change that value.

If you start the IRESETME server instance using a method other than from the MASTER menu, you will have to start and stop the monitor function separately. iResetMe includes two commands that you can use for this purpose.

```
EALERTMON can be used to start the monitor
EALERTEND can be used to end the monitor
```

iResetMe Administration

Administration for iResetMe currently takes place using an IBM i terminal session. The options for administration functions are available from a menu named MASTER in the application library named IRMLIB. To access this menu, type the following on the command line:

GO IRMLIB/MASTER

The main iResetMe administrative menu appears as follows:

```

Session E - [24 x 80]
File Edit View Communication Actions Window Help
MASTER                               MASTER Menu

Select one of the following:

1.  Work With User Enrollments           WRKIRMUSRS
3.  Work With iResetMe Questions         WRKIRMQST
5.  Display Activity Log                 DSPIRMLLOG
7.  Start iResetMe HTTP Server           STRIRMSVR
8.  End iResetMe HTTP Server             ENDIRMSVR
9.  Display iResetMe HTTP Server         DSPIRMSVR

10. To INSTALL Menu

Selection or command
===> █
  
```

This menu includes the following options:

- | | |
|---------------------------------|---|
| 1. Work With User Enrollments | Displays a list of the currently enrolled user profiles and lets you work with them. |
| 3. Work With iResetMe Questions | Displays the current list of personal questions being used by iResetMe and lets you perform maintenance on them including adding new questions. |
| 5. Display Activity Log | Displays the contents of the iResetMe Activity Log |

7. Start iResetMe HTTP Server Lets you start the HTTP server instance used by iResetMe
8. End iResetMe HTTP Server Lets you end the HTTP server instance used by iResetMe
9. Display iResetMe HTTP Server Displays the current status of the HTTP server instance
10. To INSTALL Menu Transfers the display to the INSTALL menu for additional administrative tasks.

Each of these menu options is covered in the following pages in more detail.

Work With User Enrollments

To use this interactive function from your terminal session, select menu option #1 or run the WRKIRMUSRS command from the IRMLIB application library. The following display will appear:

```

Session E - [24 x 80]
File Edit View Communication Actions Window Help
User Enrollment Maintenance IUSRMN

Type options, press Enter.
  2=Change   4=Delete   5=Display
  User       Usr
Opt Profile  Typ User Description  User   Enrolled  Reset
                Status On Date  Fail Date
- JOHN07    U   John S - A/P Clerk #7  Active 20131224
- RICHW     S   Rich Loeber - Mail Access Active 20131219 20131220

F3=Exit   F5=Refresh   F6=Create   F9=Listing

Bottom

MA e 03/006
I902 - Session successfully started hp LaserJet 1320 PCL 6 on DOT4_001

```

All currently enrolled user profile will be displayed. If no users have been enrolled yet, the list will be empty.

The following options are available for you to use against any user profiles that are displayed:

- 2 Change - You can work with the description of a user profile. You can also use this when performing a manual reset for a user profile that has failed during a password reset process.
- 4 Delete - the enrollment for the user profile will be deleted, including any question responses that are already stored for the user.
- 5 Display - shows you the current information about the user profile's enrollment.

The following functions keys are also available from this display:

- F6 Create - starts the process to enroll a specific user profile for iResetMe
- F9 Listing - creates a listing of the current user enrollments

When you select the F6 function key to enroll a new user, the following screen is displayed:

```

Session E - [24 x 80]
File Edit View Communication Actions Window Help
ADD User Enrollment Maintenance IUSRMN

Type information, press Enter.
User Profile . . . . .
User Type . . . . . U-User/0-0pr/P-Pgmr/A-Admin/S-Sec0fr
User Description . . . . .
Enrolled On Date . . . . .
Enrolled On Time . . . . .
Enrolled By . . . . .
Active Status . . . . . A-Active/I-Inactive/F-Failed
Last Reset Date . . . . .
Last Reset Time . . . . .
Reset Counter . . . . . 0
Reset Fail Date . . . . .
Reset Fail Time . . . . .
Reset Fail Code . . . . .
User Email Address . . . . .

Email Conf Status . . . . . Y-Confirmed/N-Not Confirmed

F3=Exit F5=Refresh F12=Cancel F9=Reset F10=Email

MA e 06/025
I902 - Session successfully started hp.LaserJet 1320 PCL 6 on DOT4_001

```

When enrolling a new user profile, just type the user profile in the field provided and press the ENTER key. The other fields on the screen will be filled out for you. If you want to change the user description, you can do so once the default value has been set.

When you enroll a user for the first time, their status will be set to “I” for Inactive status. This will only change to “A” for Active when the user does their activation process.

You will note that the user’s email address and email confirmation status shows on this display. It is recommended that you allow the end user to set their own email address and confirmation through the normal enrollment process. You may, however, want to do direct maintenance on these fields. This can be done by using the F10 function key which will allow you to update these two values.

Work With iResetMe Questions

To work with the list of personal questions used by iResetMe, you can select option #3 from the MASTER menu or use the WRKIRMQST command from the application library named IRMLIB. When you start this function, the following display will appear:

```

Session E - [24 x 80]
File Edit View Communication Actions Window Help
Question Maintenance ICQMMN
Type options, press Enter.
  2=Change  4=Delete  5=Display
Quest
Opt Nbr  Question
-      1  What was your childhood nickname?
-      2  What school did you attend for sixth grade?
-      3  What is the name of your favorite stuffed animal?
-      4  In what city does your nearest relative live?
-      5  What is your mother's maiden name?
-      6  What is the name of the company of your first job?
-      7  Who was your childhood hero?
-      8  What was the name of your high school mascot?
-      9  What was the make of your first car?
-     10  Name your all time favorite book

F3=Exit  F5=Refresh  F6=Create
Bottom
MA e 03/008
I902 - Session successfully started hp LaserJet 1320 PCL 6 on DOT4_001

```

The above shows that 10 questions that a shipped with iResetMe. Using this display, you can change questions, add new questions and even delete questions.

WARNING! - we specifically do not recommend changing questions or deleting questions after users have been enrolled and activated. If a user has used one of the questions already, deleting the question or changing it would invalidate their answer and prevent them from use iResetMe correctly to do a password reset.

When adding new questions, we recommend that you keep the question numbers sequential. So, the first additional question you add should be question #11 and so on.

To add a new question, use the F6 function key.

Display Activity Log

To display the iResetMe Activity Log, use option #5 from the MASTER menu or you can use the DSPIRMLOG command from the application library named IRMLIB. When you start this function, the following will be displayed:

```

Session E - [24 x 80]
File Edit View Communication Actions Window Help
iResetMe Log Display IRMLOG
Date/Time:  / 
Type options, press Enter.
                    5=Display
Opt Date      Time      User      Er Updated  Updt
  _ 13/12/26  09:42:35 JOHN07    A QTMHHTTP  ENROL User enrolled in iResetMe
  _ 13/12/26  13:31:23 TREVOR    D QSECOFR  ENROL User deleted from iResetM
F3=Exit      F5=Refresh    F9=Purge     F11=Listing
Bottom
MR e 03/013
I902 - Session successfully started hp.LaserJet 1320 PCL 6 on DOT4_001

```

The display will default to showing information for the current date. You can use the roll keys to scroll back or you can use the fields at the top of the screen to enter a specific date. Keep in mind that the date is always displayed in “YY/MM/DD” format complete with the “/” slash characters.

From this display, you can place a “5” next to any log entry to view additional details.

The following options are also available:

- F9 Purge - you can purge the log file of activity prior to a given date.
- F11 Listing - you can generate a listing of the current contents of the log.

Controlling HTTP Server

Options 7, 8 and 9 on the MASTER menu let you control the iResetMe HTTP Apache server instance running on your system.

Option #7 will start the server instance. When starting the server instance, you can also start the optional monitor function for disabled user password. Please see the section of the manual on automatic email notification for more details.

Option #8 will end the server instance. If you activated the option monitor function for disabled user password when starting the server instance, you must also specify when ending the server instance to end the monitor.

Option #9 will display the status of the server instance.

Installation and Configuration

Before any iResetMe functions will work, the initial install procedure must be run. iResetMe 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.

The installation process for iResetMe requires several distinct steps as follows:

1. Installation of the base software
2. Creation of the IRESETME HTTP Server Instance
3. Activation of the HTTP server instance

During base software installation, a new user profile named IRESETME will be created on your system with Security Officer (*SECOFR) status. This profile will be created with no password and in a disabled state to avoid security exposure issues. This profile will own the software objects used by iResetMe. In addition, an Authorization List named IRESETME will also be created and configured.

Base Software Installation from Media

You can install iResetMe 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
```

Note: If you have to change any of these system values, make note of the original setting and make sure that you set them back to the original setting immediately following this installation process.

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, iResetMe does the following:
 - Checks to see if this is a new install or an update install.
 - For update installs, the old iResetMe program library is saved in library IRMLIBOLD and history information is transferred to the newly installed library.
 - For new installs, the software is initialized for the free 30 days trial period.
 - A new user profile named IRESETME is created with security officer class (see note above)
 - A new Authorization List named IRESETME is created
 - 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 iResetMe Master Menu will be displayed.
6. If you changed any system values at step #2, reset them back to their original values now.

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 iResetMe, please review this manual and the additional documentation in detail.

Base Software Installation from Website Download

We recommend that you use the install instructions from the iResetMe 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.

Creation of the IRESETME HTTP Server Instance

The next step in the installation process is for you to configure the Apache HTTP server instance that will be used by iResetMe on your IBM i system.

For the browser interface for iResetMe to work, you will have to configure and activate a server instance for the Apache HTTP server on your IBM i.

The following checklist will have to be done to complete the configuration. The details will follow for each step.

- Step 1: Start the Apache Administrative server tool on your IBM i.
- Step 2: Create a new HTTP server instance named IRESETME
- Step 3: Install the HTTP Server objects for iResetMe
- Step 4: Use the Digital Certificate Manager (DCM) function in the IBM i OS to create a digital certificate for iResetMe and associate it with the application
- Step 5: Start the new IRESETME server instance

Step 1: Start the Apache Administrative server tool on your IBM i.

To configure an Apache server instance, you must first start the Administration server instance for Apache. You can do this from a command line on your IBM i with the following command:

```
STRTCPSVR SERVER(*HTTP) HTTPSVR(*ADMIN)
```

The server may take a while to initialize, so wait a few minutes before starting up the configuration wizard in your browser. When you are ready, point your browser to the following web address:

```
http://yoursystemi.com:2001/
```

The system will prompt you for a user profile and password. Once that has been supplied, a page of iSeries Tasks will be displayed. Newer versions of the IBM i OS will display a “Welcome to the IBM Navigator for i” panel. Look for the link to the “IBM i Tasks Page” and follow it. Select the “IBM Web Administration for iSeries” option. This will take you to the Web Administration wizard that comes with your OS.

Step 2: Create a new HTTP server instance named IRESETME

After you sign on and get to the Web Administration page, navigate to the “Manage” tab and then the “HTTP Servers” tab below that. Under the “Common Tasks and Wizards”, select “Create HTTP Server”. For server name, you MUST specify the value “IRESETME”. The server description of “Kisco iResetMe Server” can also be used. Click on Next for all of the following displays taking all of the default options presented until you reach the “Create HTTP Server” panel with a “Finish” button at the bottom. Press the Finish button to complete creating the new server instance.

Step 3: Install the HTTP Server objects for iResetMe

On a terminal session where you are signed on as a security officer, go to the INSTALL menu in library IRMLIB by entering the following command:

```
GO IRMLIB/INSTALL
```

Run option #6 (Install HTTP Server Instance Objects) from this menu. This will install the HTTP server objects needed by iResetMe.

Step 4: Use the Digital Certificate Manager (DCM) function in the IBM i OS to create a digital certificate for iResetMe and associate it with the application

Before you can use the iResetMe server instance, a digital certificate needs to be created and assigned to the application on your system. This will require that you use the Digital Certificate Manager function on your system with the following process:

- 4.1. Connect to the Digital Certificate Manager application on your browser.
- 4.2. Create a new application in the *SYSTEM certificate store
- 4.3. Create a new digital certificate in the *SYSTEM certificate store.
- 4.4. Validate the newly created certificate.

Following are detailed instructions on how to perform each of these sub-steps:

Step 4.1 - Connect to the Digital Certificate Manager application on your browser.

In your browser, re-enter the base address for the i5/OS Tasks:

```
http://yoursystemi.com:2001
```

Substitute the address of your IBM i for the *yoursystemi.com* above. You can use either a registered name or a numeric IP address format.

This will bring you back to the main menu. Select the link for the “Digital Certificate Manager”.

Note: The following process will self-issue a digital certificate for use with the secure HTTPS server instance for iResetMe. When used from your browser, this will give you a

warning because your server is not a registered certificate issuer, but the process will work correctly as long as you bypass the warning. On some browsers, such as Firefox, you will be allowed to accept the certificate the first time you use it and it will not be questioned again. Other browsers, like some versions of Internet Explorer, will question your use every time. Regardless, you will know where the certificate came from and you will be able to trust it by virtue of that knowledge.

Step 4.2 - Create a new application in the *SYSTEM certificate store

Select the button in the top left corner of your browser that reads “Select a Certificate Store”. On the next panel, select the *SYSTEM store and press the “Continue” button. (If the *SYSTEM store does not exist, you will need to first create it using the “Create New Certificate Store” link.) Your system will prompt you for the password for the *SYSTEM certificate store. If you don’t know the password, you can use the reset function to assign a new password. When you are finished, the *SYSTEM certificate store will be open and available.

In the left panel, open the list of options for "Manage Applications". Take the option to "Add application". Select the Server option and then specify the Application ID of IRESETME (all caps). You should be able to take all of the default settings that come up except the Application description where you can enter "iResetMe". Press the Add button at the bottom of the page and the application will be created.

Step 4.3 - Create a new digital certificate in the *SYSTEM certificate store.

While you are still using the *SYSTEM store, select the “Create Certificate” link from the left-hand panel. On the next panel, select the option for “Server or client certificate” and press the “Continue” button. Next, select the option for “Local Certificate Authority” and press “Continue” again. Now the certificate form is displayed. Fill out the required fields as follows:

Certificate label	Enter the value “IRESETME”.
Common name	Enter a unique name. Kisco recommends that you use the system name for your system (or partition) as shown from the DSPNETA command display.
Organization name	Enter the name of your company or organization.
State or province	Enter the name of the state or province where you are located.
Country or region	Enter an abbreviation for your country.

Select the “Continue” button at the bottom of the page and your certificate will be created. The system will show a list of applications on your system after creating the certificate. Put a check mark in the box next to the IRESETME application and then press the Continue button.

Step 4.4 - Validate the newly created certificate.

In the left hand panel, select the “Manage certificates” link. Next, select the “Validate

certificate” link. Choose the “Server or client” option and press the “Continue” button. Select the IRESETME that you just created, then press the “Validate” button at the bottom of the page. If everything with the certificate is OK, a message will be displayed confirming that the certificate is valid.

Step 5: Start the new IRESETME server instance

Start the newly created server instance. You can do this from the Web Administration page or from your command line. If you do this from the command line, issue the following:

```
STRTCPSVR SERVER(*HTTP) HTTPSVR(IRESETME)
```

The server instance will now be active.

Activation of the HTTP server instance

You can go to your web browser and enter the following in the web address box:

```
https://yoursystemi.com:8669/irm.htm
```

If everything is configured correctly, the iResetMe start page will be displayed in your browser session. As stated earlier, a warning message about the certificate in use may be issued by your browser. Please note the comments associated with Step 4.1 above about this issue.

At this point, web-enabled iResetMe is available for use on your system.

When the software install has completed, your copy of iResetMe will be successfully installed for your thirty day trial period. At the end of the trial period, iResetMe browser resets will cease functioning until either an extension password or a permanent password is entered.

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

Before you start using iResetMe for the first time, we recommend a full review of the documentation plus a review of the default values setup. This is done using the IRMSET command from the INSTALL menu. These values should be set the way you want before you start using the product.

Release Upgrade Installation

When Kisco Information Systems completes work on a new Release of iResetMe, 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.

The Install Menu

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

```

Session E - [24 x 80]
File Edit View Communication Actions Window Help
INSTALL Menu
Select one of the following:

  1. Run initial install procedure
  2. Display installation status
  3. Change installation status
  4. Print documentation
  5. Check Version Information
  6. Install HTTP Server Instance Objects
  7. Process Kisco PTF Package
  8. Batch User Enrollment
  9. Set iResetMe Default Values
 10. Clear Old Objects from Library
 11. Work With Password Rules Display
 12. Send Test Email Alert Message

20. To Main Menu

(c) 2013-2014 Kisco Information Systems
===> |
  
```

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 iResetMe that is installed on your system. |
| 6. Install HTTP Server Instance-Objects | Installs the HTTP server instance objects needed for the iResetMe browser interface. |
| 7. Process Kisco PTF Package - | Lets you install program changes distributed from Kisco Information Systems as email attachments. |

- | | |
|--------------------------------------|--|
| 8. Batch User Enrollment - | Used to enroll multiple users, groups of users or all users in the iResetMe user base. |
| 9. Set iResetMe Default Values | Lets you set up default settings for iResetMe. |
| 10. Clear Old Objects from Library | Clears old browser session data areas from the iResetMe application library |
| 11. Work With Password Rules Display | Gives you control over what shows on the password rules option display. |
| 12. Send Test Email Alert Message | Sends a test email message to the email address of your choice to test whether email transmissions are working on your system. |
| 20. To Main Menu - | Will display the iResetMe MASTER menu. |

Display installation status

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

```

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

Installation for      IRMLIB      Developer ID code  KISCO
Machine serial number 0652C26   Sec.serial number  0652C26
Machine run date.... 131224     Sec.install date.  131224
                               Sec.expire date..  140115
                               Sec user count... 0025 001

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

Please enter:                PTF: IRPTF100

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
User count.....             0025 for trial or authorized count for
                               permanent installation

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

Free Trial (c)1990, 1993 Monahon
16/031
  
```

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. iResetMe 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:

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:

```

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

Installation for      IRMLIB      Developer ID code  KISCO
Machine serial number 0652C26   Current Library    IRMLIB
Sec.serial number     0652C26   Sec.install date. 131224
Machine run date.... 131224   Sec.expire date.. 140115
Sec.user count...    0025 001

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

Please enter:                PTF: IRPTF100

Type of install .....
Install password ....
New expire date.....
User count.....

T for trial, or P for permanent
Blank for trial, or permanent password
Blank for trial, or 999999 for permanent
0025 for trial or authorized count for
permanent installation

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

Free Trial (c)1990, 1993 Monahon
16/031
  
```

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, 2014 would be 140112)
User count	Enter the user count provided by Kisco for your iResetMe license

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)
User count	Enter the user count provided by Kisco for your iResetMe license

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 iResetMe. The developer may need to verify this when working with you on a support issue.

Install HTTP Server Instance Objects

This function installs server objects. You should only use this option as directed by Kisco Information Systems or during normal installation and/or upgrade processing.

Install Kisco PTF Package

iResetMe supports distribution of program updates remotely via the Internet. When programs in iResetMe 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 iResetMe.

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 iResetMe functions are in use and that no users are logged into any iResetMe menu. We also recommend that you end the iResetMe HTTP server instance if it is active.
5. Type the following command:

IRMLIB/KISPTF

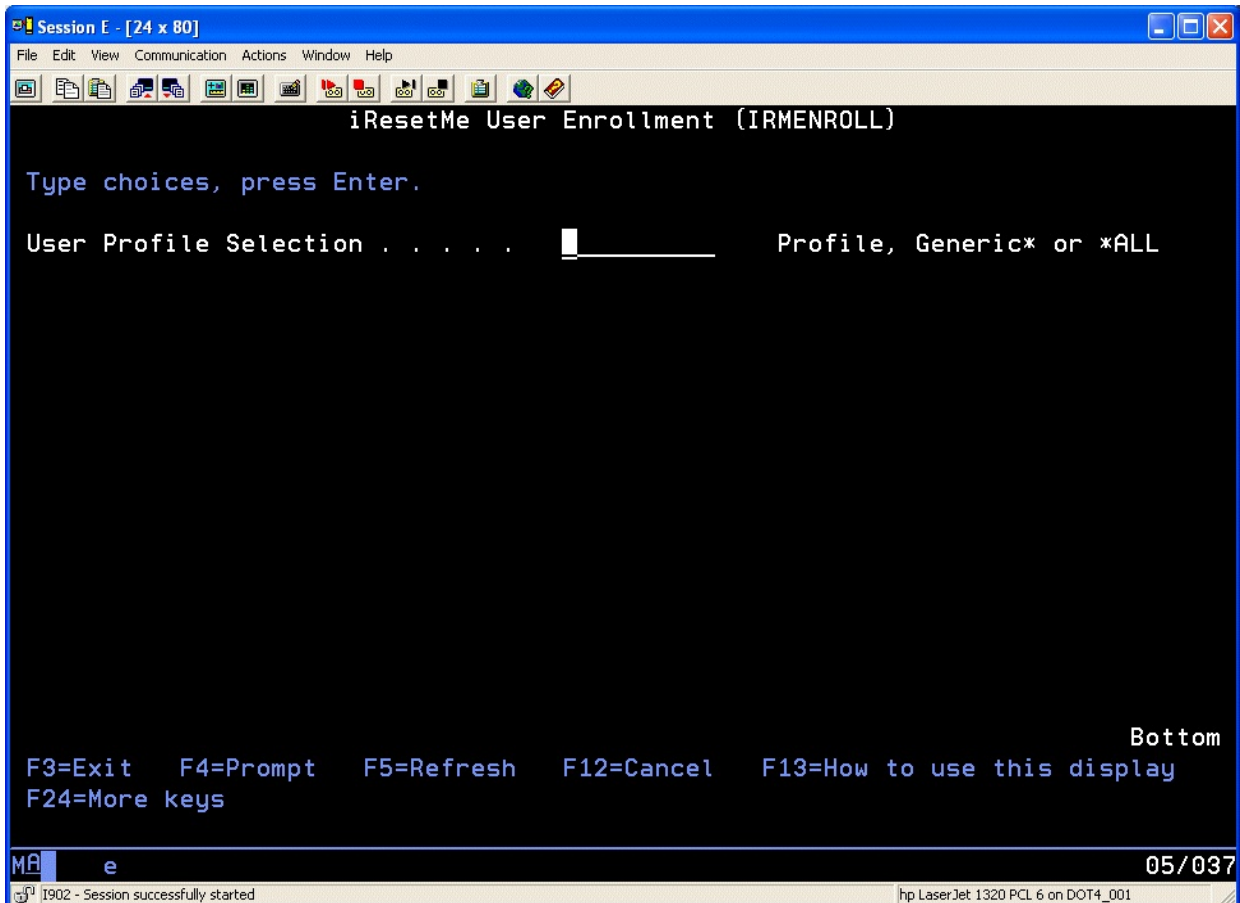
and press the F4 prompt key. You can also choose option #7 from the INSTALL menu.

6. The command will prompt for two values. The first is the name of the iResetMe 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 iResetMe.
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 iResetMe changes. Kisco recommends that you read both documents before starting to use iResetMe again.

Batch User Enrollment

When enrolling users to use iResetMe, this option will let you enroll an individual profile, a generic group of user profile or all profiles on your system. When you select this option, the following prompt will be displayed:



You can enter the following in the User Profile Selection field:

- | | |
|----------|---|
| Profile | Enter an individual user profile to be enrolled. |
| Generic* | Enter the first few letters of a set of profiles followed by a single asterisk (“*”) character. For example, entering the value “A*” will enroll all user profiles that begin with the letter A. |
| *ALL | Use the *ALL value to enroll all qualified user profiles. Any profiles that are already enrolled will not be re-enrolled. No profiles that begin with the letter Q will be enrolled and only profiles that are enabled will be considered for enrollment. |

When the parameter has been set, press ENTER and the profile enrollments will be completed.

Set iResetMe Default Values

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

```

Session E - [24 x 80]
File Edit View Communication Actions Window Help

Set iResetMe Values (IRMSET)

Type choices, press Enter.

Number of Challenge Questions . . . > 003          001-005
# Reset Failures to lockout . . . > 003          Number
Show Password Rules on Reset? . . . > *NO          *YES, *NO
Encrypt Stored Responses? . . . . > *YES          *YES, *NO
Page Heading Text . . . . . > 'Kisco Information Systems'

Notify Users . . . . . > QSECOFR          User Profiles
                          > IKISCO
                          + for more values > QSYSMSG
Support email address . . . . . > support@kisco.com

iResetMe Browser Address . . . . > 'https://yoursystemi.com:8669'

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

MA e 05/037
I902 - Session successfully started hp LaserJet 1320 PCL 6 on DOT4_001

```

Set these parameters as follows:

Number of Challenge Questions

iResetMe can be configured to ask for up to 5 challenge questions during the password reset value. Enter a value between 1 and 5. Kisco ships the software with a default value of 3.

Reset Failures to lockout

During password reset processing, iResetMe keeps track of the number of successive reset failures. If this number is exceeded during the rest process, then the user profile being processed will be locked out of iResetMe processing. Kisco ships the software with a default value of 3.

Show Password Rules on Reset?

Controls whether or not the current system and user password rules are shown when a new password is requested.

*NO The password rules will not be shown

Encrypt Stored Responses?	<p>*YES The password rules will be shown</p> <p>Controls whether or not the challenge response values will be encrypted on your system.</p> <p>*NO The responses will not be encrypted</p> <p>*YES The responses will be encrypted</p>
Page Heading Text	<p>This value will be displayed on the browser page heading for all panels except the startup logon panel. Most customers will want to enter their company name here. Kisco ships the software with a default value of “Kisco Information Systems”.</p>
Notify Users	<p>When a profile reset session fails and the user profile is locked out, iResetMe will send messages to up to 5 different user profile advising them of the failure. Enter the user profiles (or message queue names) in this list.</p>
Support email address	<p>If you are not using the automatic email notification feature, leave this set to *NONE. If you choose to use the automatic email notification feature, this value must be changed to a valid email address for an active email account for administration of iResetMe.</p>
iResetMe Browser Address	<p>If you are not using the automatic email notification feature, leave this set to *NONE. If you choose to use the automatic email notification feature, this value must be changed to a valid https URL pointing to your IRESETME server instance. See the HELP text for the field for more details.</p>

Note: When this menu option is run (or the IRMSET command is run), the system password rules will be updated with the current values.

Clear Old Objects from Library

Every browser session started using iResetMe will create a small data area in the IRMLIB library. If the session ends normally, the data area will be removed. If a user leaves a session without completing it normally, that data area will get left behind in the library. You can periodically clear these unused data areas from the library by running this option.

Work With Password Rules Display

If the SHOWRULES parameters on the iResetMe values (option #9 on the INSTALL menu) is set to *YES, this menu option will give you control over how they appear. When you select this option, a list of the current system values with text and controls will be displayed.

When you select this menu option, the following might be a typical display that is shown:

```

Session E - [24 x 80]
File Edit View Communication Actions Window Help
Password Rules Maintenance PWRUPD

Type options, press Enter.
  2=Change   4=Delete   5=Display

Opt Sys Value  Setting  Password Rule Text
-  QPWDCHGBLK  ***** # hours before next change can be made: &1
-  QPWDEXPITV  60      # days password will be valid: &1
-  QPWDLMTAJC  0      Adjacent numbers are/are not allowed
-  QPWDLMTCHR  *NONE   Characters not allowed in password: &1
-  QPWDLMTREP  2      Limits on repeating character
-  QPWDMAXLEN  10     Maximum password length allowed: &1
-  QPWDMINLEN  6      Minimum password length allowed: &1
-  QPWDPOSDIF  1      Limit characters in same pos as last Pwd
-  QPWDRQDDGT  0      Password does/does not require a number
-  QPWDRQDDIF  0      Password may be reused after N times
-  USER01     *****
-  USER02     *****
-  USER03     *****

F3=Exit    F5=Refresh

Bottom

MA e 03/006
I902 - Session successfully started hp LaserJet 1320 PCL 6 on DOT4_001

```

Any entry with a “Setting” field value of all asterisks (*****) will not be shown on the display panel in iResetMe. Do not remove records from this file unless they are USERnn records. If you have password rules that are unique to your installation, you can update the USERnn records to have your unique rules display. To do this, use option 2 and remove the asterisks from the record and add your description in the available “Rule for display” field. If you update any of the system value display fields, keep in mind that these will get reset and updated whenever the IRMSET command is run (option #9 on the INSTALL menu).

American Top Tools

Información del Distribuidor

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