eFORMz

iSeries INSTALL
MINI-MANUAL

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Minisoft

iSeries/AS400 Host Install

Recommendations/Requirements

We recommend the following for AS400's processing the eFORMz merge:

OS - Version 5 / release level 2 (or greater)
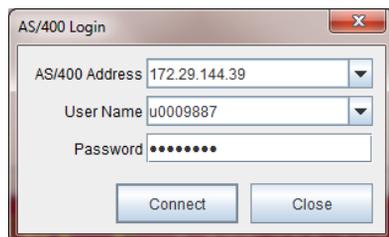
Java - Release 1.6 (or greater)

Recommend creating a holding PrintQ for spoolfiles awaiting eFORMz processes.

Note: For updates to your AS400 Java release please contact your software vendor.

Installation and Upgrade Instructions

The following instructions assume you have already installed the eFORMz Composer on your PC.

1. From the eFORMz Composer Menu bar select *Host Tools > AS400 > Install eFORMz*.

2. The AS400 Login dialog box will appear. Enter your *host IP address*, *user name*, and *password*.

3. Once complete click *Connect*.
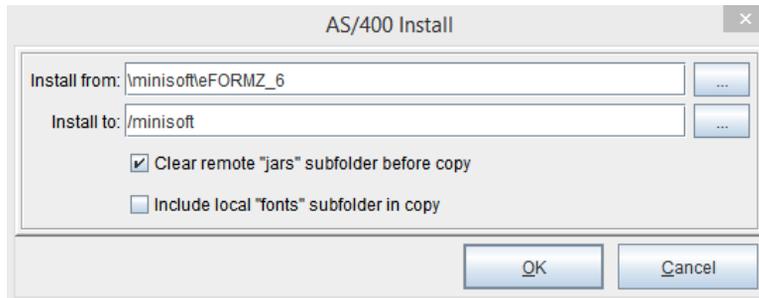
4. The AS400 Install dialog box will display. By default eFORMz will transfer the needed jar files from the specified directory in the *Install From* field:

> Default: C:\Minisoft\eFORMz_6\

The '*Install to'* directory can be specified by clicking the browse button for available Queues on your AS400 system. By default eFORMz installs into the following directory off root:

> /minisoft

Options include:

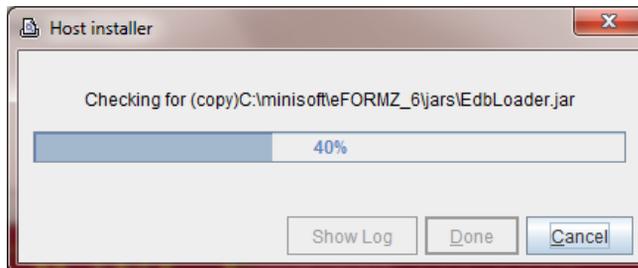*Clear remote "jars" subfolder before copy*
Default checked. Clears the /minisoft/jars/ folder of any default eFORMz .jar files.

Include local "fonts" subfolder in copy
Copies the font files located in the following default directory \Minisoft\eFORMz_6\fonts to the host directory on the AS400.

Once complete click *OK*.

5. The installation progress bar will display:

6. Installation is now complete.

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Optional Custom eFORMz Job Queue

The AS400 is normally delivered with a maximum batch job limit of one, meaning that only one job can execute at a time. Since the eFORMz Print Monitor runs as a job (efzPM), if executed and left running no other jobs will run. Instead they will remain in a *'jobq'* state until the eFORMz PM is terminated.

One option is to increase the maximum job setting value for QBATCH to a value greater than one. If, however, your jobs require single-thread processing then this may not be the solution for you.

Another method, ***which we recommend***, is to create a separate job queue to run the eFORMz Print Monitor. To do so:

1. Create an eFORMz Library. At the command line enter the following:

   CRTLIB   (To modify: WRKLIB EFZLIB)

   Specify the following options:

   ```
   Name   EFZLIB
   Type   *PROD
   Text   eFORMz Library
   ```

2. Create an eFORMz Job Queue. At the command line enter the following:

   CRTJOBQ   (To modify: WRKJOBQ)

   Specify the following options:

   ```
   Job Name      EFZJOBQ
   Library       EFZLIB
   Text          eFORMz Job Queue
   ```

3. Create an eFORMz Job Description. At the command line enter the following:

   CRTJOBD   (To modify: WRKJOBD)

   Specify the following options:

   ```
   Job desc.     EFZJOBD
   Library       EFZLIB
   Job queue     EFZJOBQ
   Library       EFZLIB
   ```

4. To determine the next available sequence number enter the following at the command line:

   DSPSBSD QBASE

   Select option #6 (Job Queue Entries) and check for an unused sequence number.

5. Attach a job queue to an active subsystem. At the command line enter the following:

   ADDJOBQE   (To modify: CHGJOBQE)

   Specify the following options:

   Subsystem   QBASE
   Library   *LIBL
   Jobqueue   EFZJOBQ
   Library   EFZLIB

   Max active jobs 1   (or number of batch jobs permitted to execute)
   Seq. number _____   (enter value from the previous step)

6. Create a new eFORMz User. At the command line enter the following:

   WRKUSRPRF EFORMZ

   Specify the following options:

   Option 1
   User   EFORMZ
   Description   eFORMz User
   Password   { password }
   Type of User   *SYSOPR   {System Operator}

   Note: We recommend the minimal security level to be *System Operator.

7. Modify eFORMz Login Profile.

   Login as new user (EFORMZ) and make the following changes:

   Option   1   (user task)
   Option   9   (change your user profile)
   Option   F10   (additional parameters)
   Job description EFZJOBD
   Library   EFZLIB

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Optional Optimizing

Java applications are interpreted much like "Basic" applications. Interpreted programming languages are typically slower to execute than 'compiled' applications. The AS400 has an application that converts Java interpreted applications to native (compiled) code. The command used to convert the Java application is CRTJVAPGM. This command should be run on all java applications to increase performance. As far as eFORMz, this means you will need to run this command on the three supplied eFORMz ".jar" files.

Depending on the size of your AS400, this operation may take a few minutes or a few hours. This step is optional but highly recommended as performance will be increased by a factor of 12.

To convert the AS400 eFORMz jar files that were installed on your host, enter the following at the command line:

CRTJVAPGM

Set the following:

Class file or JAR file: /minisoft/jars/*.jar
Optimization: 30

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NOTE: You may want to run CRTJVAPGM as a batch job considering it may take a considerable amount of time and CPU resources.

Upgrade Instructions

Before proceeding with an upgrade, we recommend creating a backup directory of your /minisoft account. The backup directory can easily be created using the following method from the QSHELL command:

1. Enter 'qsh' (QSHELL) from the command line.

2. To copy the directory, enter:

    ===> cp -R /minisoft   /minisoft705

3. Results in two directories:

    /minisoft
    /miinisoftxxx   { backup }

Should you need to revert back to the original version, delete the existing and move the old directory back:

    ==> rm -r /minisoft
    ==> mv /minisoftxxx /minisoft