

## **QMF2Excel 1.0**

QMF2Excel is a very useful program for a very specific need. It makes downloading QMF files and converting them to Excel easy and fun.

Like many other IT departments of large non-IT organizations, we still use some very old technology where I work - specifically QMF mainframe reports. We have been manually downloading these reports through a cumbersome mainframe emulator, and then converting them to Excel with a hit or miss processes using the fixed width Text to Columns tool. Then we would finally finish off the reports with column names, slightly prettier formatting and giving them useful file names.

Until I finally realized that this is just the type of busy work computers love to do. So I developed a Windows based program to do just that.

### **Specs**

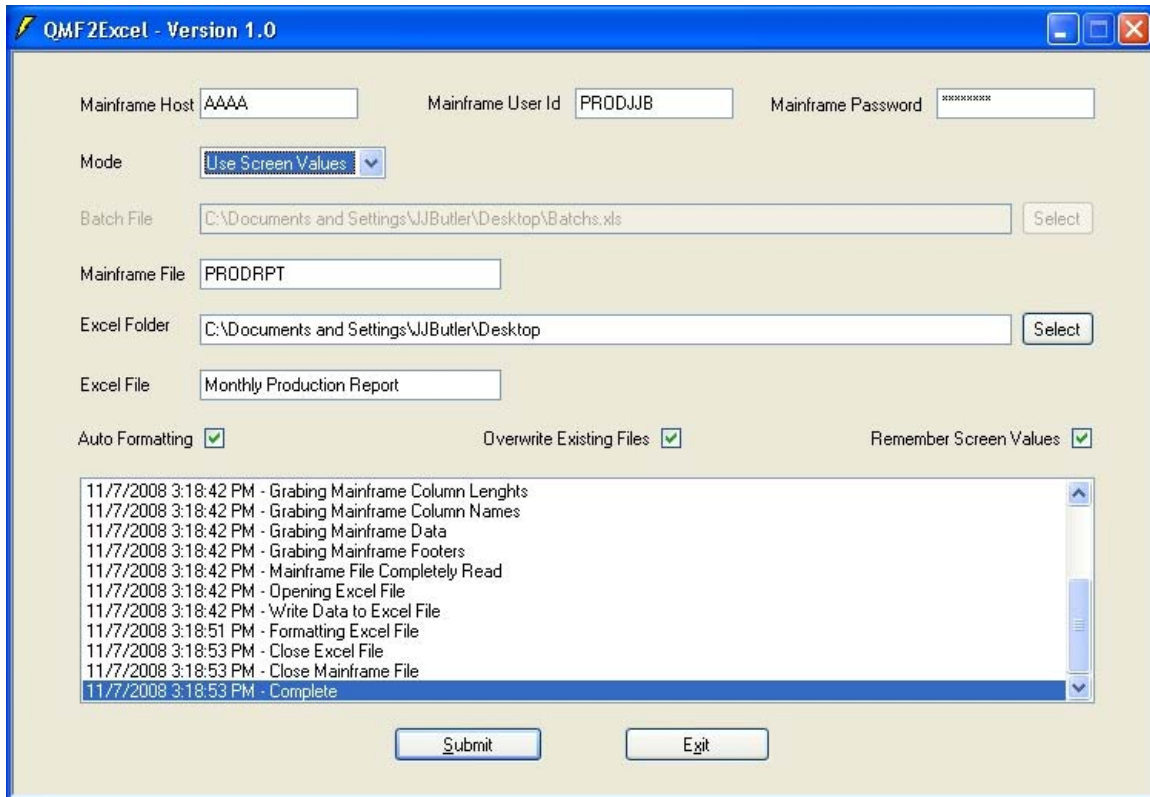
These are just the specs I am using, I'm sure the QMF2Excel can work with other versions of QMF, Excel and Windows. If you have different versions, try it out and see what you get!

Convert From:	IBM Query Management Facility (QMF) 7.2
	Data format HTML
Convert To:	MS Excel 2003
OS:	Windows XP

### **Using QMF2Excel**

To use QMF2Excel the mainframe report must be created with the Data format of HTML (not QMF format). Also the mainframe file must be in the user's work space and end with ".REPROT".  
(Example file: PRODJB.PRODRPT.REPORT)

The best way to understand how to use QMF2Excel is to take a walk through of the screen itself.



QMF2Excel Screenshot (in Screen Values Mode)

- Mainframe Host:** The address of the mainframe computer the QMF files are to be downloaded from.
- Mainframe User Id:** The User Id used to connect to the mainframe, and the User Id for where the reports are located.
- Mainframe Password:** The User Password that corresponds to the User Id.
- Mode:** "Use Screen Values" is for downloading and converting one file at a time using the on screen values.  
"Use Batch File" is for downloading and converting multiple files using values from an Excel spreadsheet.
- Batch File:** Select the location of the file used for batch processing (see Using QMF2Excel - Batch File Mode below)  
(Batch File only)
- Mainframe File:** The name of the mainframe file to be downloaded. Just use the actual name of the file, the user name and ".REPORT" will be added automatically.  
(Screen Values only)
- Excel Folder:** Select the folder for the Excel file to be saved to.  
(Screen Values only)

Excel File: (Screen Values only)	The name of the Excel file to be created. If left blank, the Mainframe File name will be used.
Auto Formatting: (Screen Values only)	Check to automatically apply formatting to the Excel file. (see Auto Formatting below)
Overwrite Existing Files:	Check to overwrite existing Excel files with the same name.
Remember Screen Values:	Check to save the information on the screen, and reloaded it next time the program is ran (very useful for saving mainframe parameters).

After all required values have been entered, simply click the Submit button. All steps in the progress of the conversion (and any error messages) will be recorded in the Log window at the bottom of the screen. The Log information is also recorded to the text file Mainframe2PCLog.txt, located in the application folder.

## Using QMF2Excel - Batch File Mode

QMF2Excel - Version 1.0

Mainframe Host: AAAA Mainframe User Id: PROJJB Mainframe Password: xxxxxxxx

Mode: Use Batch File

Batch File: C:\Documents and Settings\JJButler\Desktop\Batch.xls [Select]

Mainframe File: PRODRPT

Excel Folder: C:\Documents and Settings\JJButler\Desktop [Select]

Excel File: Monthly Production Report

Auto Formatting ☒ Overwrite Existing Files ☒ Remember Screen Values ☒

Log Window:

```

11/7/2008 3:45:25 PM - Grabing Mainframe Column Lengths
11/7/2008 3:45:25 PM - Grabing Mainframe Column Names
11/7/2008 3:45:25 PM - Grabing Mainframe Data
11/7/2008 3:45:26 PM - Grabing Mainframe Footers
11/7/2008 3:45:26 PM - Mainframe File Completely Read
11/7/2008 3:45:26 PM - Opening Excel File
11/7/2008 3:45:26 PM - Write Data to Excel File
11/7/2008 3:45:33 PM - Formatting Excel File
11/7/2008 3:45:33 PM - Close Excel File
11/7/2008 3:45:34 PM - Close Mainframe File
11/7/2008 3:45:34 PM - Complete

```

[Submit] [Exit]

QMF2Excel Screenshot (in Batch File Mode)

To process more than one file at a time, simply select the Mode “Use Batch File”. Next select the Excel file that contains the batch information (Any valid Excel file will work, regardless of name or folder).

The batch spreadsheet can have 1 to 100 rows (files to process), and it must have the required three columns (and column headings).

	A	B	C	D
1	<b>Mainframe File</b>	<b>Excel File</b>	<b>Auto Formatting</b>	
2	PRODRPT	C:\Documents and Settings\JJButler\Desktop\Monthly Production Report.xls		
3	PRO810	C:\Documents and Settings\JJButler\Desktop\Monthly Production Report ({FDPM,M-D-YYYY}).xls	TRUE	
4	PRO811	C:\Documents and Settings\JJButler\Desktop\Monthly Production Report ({FDCM,M-D-YYYY}).xls	TRUE	
5				
6				
7				

*Sample Batch File*

**Mainframe File:** The name of the mainframe file to be downloaded. Just use the actual name of the file, the user name and “.REPORT” will be added automatically.

**Excel File:** The folder and the Excel file name to be created. (For information regarding codes at the end of cells B3 and B4 in the screen shot please see Date and Time Inserts below).

**Auto Formatting:** Use the value “TRUE” to implement Auto Formatting, use the value “FALSE” not to use it. A blank value will be regarding as “TRUE” (for more information see Auto Formatting below)

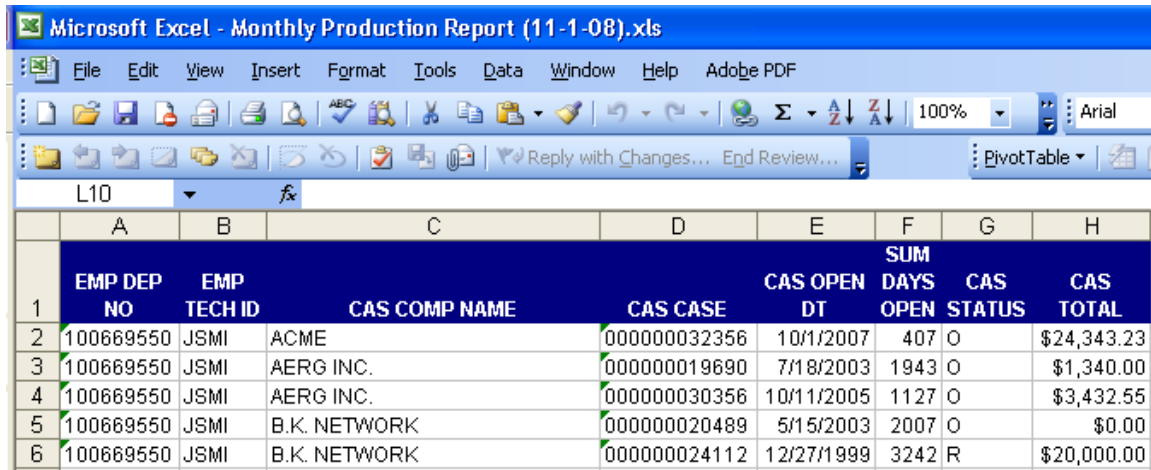
## Auto Formatting

By un-checking Auto Formatting in the Screen Values Mode or setting the value to “FALSE” in the Batch File Mode, the final Excel file is created without any formatting.

	A	B	C	D	E	F	G	H
1	EMP DEP NO	EMP TECH ID	CAS COMP NAME	CAS CASE	CAS OPEN DT	SUM DAYS OPEN	CAS STATUS	CAS TOTAL
2	100669550	JSMI	ACME	32356	10/1/2007	407	O	24343.23
3	100669550	JSMI	AERG INC.	19690	7/18/2003	1943	O	1340
4	100669550	JSMI	AERG INC.	30356	10/11/2005	1127	O	3432.55
5	100669550	JSMI	B.K. NETWORK	20489	5/15/2003	2007	O	0
6	100669550	JSMI	B.K. NETWORK	24112	12/27/1999	3242	R	20000

*Sample Excel File without Auto Formatting*

By checking Auto Formatting in the Screen Values Mode or setting the value to "TRUE" in the Batch File Mode, the final Excel file is created with several areas of formatting. The entire workbook is set to font Arial, size 9. Column Headings are highlighted and wrapped. QMF2Excel also tries to determine which numeric data elements are actual numbers, identifiers or currency – and format them accordingly.



	A	B	C	D	E	F	G	H
1	EMP DEP NO	EMP TECH ID	CAS COMP NAME	CAS CASE	CAS OPEN DT	SUM DAYS OPEN	CAS STATUS	CAS TOTAL
2	100669550	JSMI	ACME	000000032356	10/1/2007	407	O	\$24,343.23
3	100669550	JSMI	AERG INC.	000000019690	7/18/2003	1943	O	\$1,340.00
4	100669550	JSMI	AERG INC.	000000030356	10/11/2005	1127	O	\$3,432.55
5	100669550	JSMI	B.K. NETWORK	000000020489	5/15/2003	2007	O	\$0.00
6	100669550	JSMI	B.K. NETWORK	000000024112	12/27/1999	3242	R	\$20,000.00

Sample Excel File with Auto Formatting

## Date and Time Inserts

QMF2Excel also includes dynamic date and time stamp inserts. The date and time inserts can either be directly in the QMF report heading or the Excel file name (or both).

There are three parts to the date and time inserts.

- 1) Every insert is contained inside of squiggly brackets { }
- 2) A four character code is used to specific which date is used
- 3) Formatting characters are included between single quotes

Date calculations, from the four character code, are based on the date the report is processed by QMF2Excel. Also formatting character are not case sensitive (QMF does not handle mixed cases well).

### Four Character Code for Date to Used

TODY – Today

FDCM– First Day of Current Month

LDCM– Last Day of Current Month

FDPM – First Day of Previous Month

LDPM – Last Day of Previous Month

PSUN – Previous Sunday

PMON – Previous Monday

PTUE – Previous Tuesday

PWED – Previous Wednesday

PTHU – Previous Thursday  
PFRI – Previous Friday  
PSAT – Previous Saturday

#### Formatting Characters

M – Month number (1 or 2 digits as required)  
MM – Month number (always 2 digits, with a leading 0 if needed)  
MMM – Month name (3 letter abbreviation)  
MMMM – Month name (full name)  
D – Day of month (1 or 2 digits as required)  
DD – Day of month (always 2 digits, with a leading 0 if needed)  
DDD – Day of week (3 letter abbreviation)  
DDDD – Day of week (full name)  
YY – Year (last 2 digits)  
YYYY – Year (4 digits)  
H – Hour in 12-hour format (1 or 2 digits as required)  
HH – Hour in 12 hour format  
N – Minutes (1 or 2 digits as required)  
NN – Minutes (always 2 digits, with a leading 0 if needed)  
S – Seconds (1 or 2 digits as required)  
SS – Seconds  
TT – AM/PM Designator  
Hyphens (-), slashes (/), colons (:), etc – can also be used as is

An example of including date and time in a QMF heading:

**OPENED DATE: {FDPM,'M/D/YYYY'} TO {LDPM,'M/D/YYYY'}  
REPORT CREATED: {TODY,'M/D/YYYY - H:NNTT'}**

Is automatically converted to (when ran at 3:21PM on 11/7/08):

**OPENED DATE: 10/1/2008 TO 10/31/2008  
REPORT CREATED: 11/7/2008 – 3:21PM**

An example of including date in an Excel File (can be utilized from Screen Values Mode or Batch File Mode):

**Monthly Production Report ({FDCM,'M-D-YYYY'}).xls**

Is automatically converted to when ran on 11/7/08):

**Monthly Production Report (11-1-2008).xls**

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