



What's Up, DOCumentation? 2001 # 5



robelle
solutions technology

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From:

- [Bob Green](#), President
- [Dave Lo](#), Editor

To: **Users of Robelle Software**

Re: **News of the HP e3000 and Robelle, 2001 #5**

If you haven't been visiting the Robelle web site, www.robelle.com, at least once a week, here is what you have been missing. Included are many of the stories posted to the web since the last What's Up DOC newsletter in July 2001.

If you are reading a PDF or text version of this newsletter, remember that the headline of every story is actually a web link to the full story or more

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- [What's New?](#)

- Free Trials.** Click for:
 - [Qedit for Windows](#)
 - [Suprtool](#)
 - [Host-based Qedit](#)

- [Partners](#)
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- [Healthcare Solutions](#)

information. If you want to follow a link to get more information, go to the web home of the current newsletter:

<http://www.robelle.com/library/newsletter/latest.html>

Table of Contents:

- [News and Upcoming Events](#)
- [HP Tips](#)
- [Qedit for Windows Tips](#)
- [Suprtool Tips](#)
- [Links/Resources](#)
- [Internet Tips](#)

- [Education Users](#)
- [Consultants Corner](#)

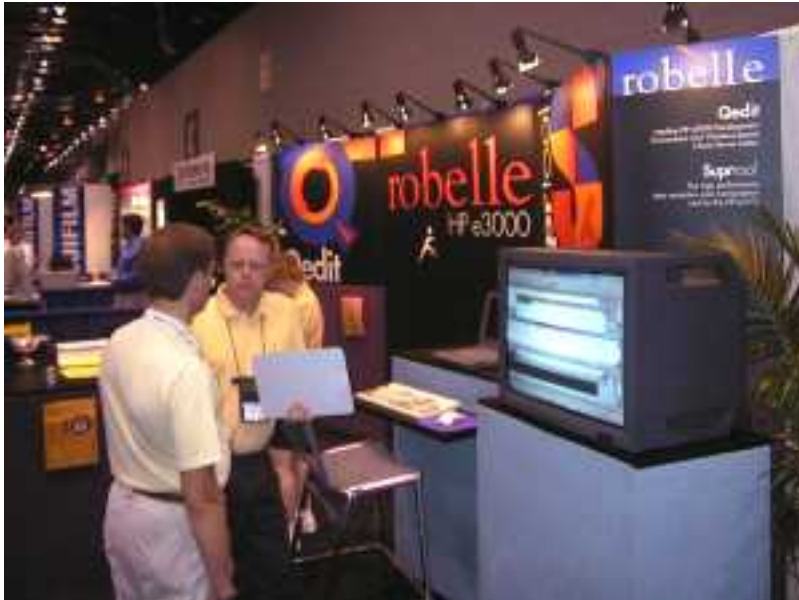
- [Products](#)
- [Qedit for Windows](#)
- [Qedit for e3000](#)
- [Suprtool for e3000](#)
- [Suprtool Training](#)

- [Newsletter](#)
- [Current Issue](#)
- [Subscribe](#)
- [Library](#)

- [About Robelle](#)
- [About the HP e3000](#)

News and Upcoming Events

[HPWorld 2001: Photos and News](#)





Robelle had a good week at HPWorld and we snapped many pictures. Click the link above to find out about the "Most Fun Booth" and Bob Green's **Top Ten Software Tips from the Dark Side**



[3kworld: Winston Prather and Dave Snow at HPWorld](#)

3kworld provides an easy to digest, bullet-style report on what was communicated by Winston Prather and Dave Snow during their plenary/strategic sessions at HP World 2001.

Bob Green Session for Summit Users

Credit unions are gathering in Melbourne Florida Sept 12-14, 2001 to share information on [Summit's application package](#) and improve their skills. Bob Green of Robelle will be present to give an afternoon session on IMAGE, Suprtool and improved batch processing. [Read one credit union's experiences with Suprtool.](#)

3000 Newswire: Ken Paul Starts Consulting Service

After 13 years of providing top-flight support for Adager and the IMAGE database users in the 3000 community, Ken Paul has become an independent consultant offering a variety of services for HP 3000 sites.

HPWorld: Vital-Soft Demos New Product That Uses Suprtool

Jon Overton announces the "MatchPoint Replication Suite" which allows you to easily replicate a TurboIMAGE database to an SQL environment for business decision support. Two interesting things about MatchPoint are that it can incrementally update the SQL side as your applications modify the TurboIMAGE side, and it uses Suprtool wherever possible to speed the replication process.



HP Tips

mySQL: Importing HP e3000 Data

By Neil Armstrong and Aaron Holmes

Recently a friend needed to work with some data in mySQL to test a Web Application. I figured that I could provide some test data from one of our IMAGE databases and use our STExport program (part of the [Suprtool](#) product) to move the data over.

mySQL is an Open Source database that is commonly used as the backend database server for many Web applications for a huge number of Linux and Unix platforms as well as Windows machines.

The source and or binaries can be obtained from www.mysql.com or www.sourceforge.net and many other download mirrors around the globe.

In order to get started we decided to build a mySQL database that looked like an Image database, building a simple Master dataset and a single detail dataset. The byte type fields in Image were created as char fields. The I2 or J2 fields were created as int fields. The database resided on a small Windows 98 laptop system.

Having done this, we extracted data from the 3000 database and used default STExport settings to output a file that was comma delimited, with each field enclosed in quotes.

In investigating how to import data into mySQL, we first tried the mySQLImport program, but it didn't seem as robust and we could not figure out how to tell it what delimiters to use.

In looking at the documentation, we thought that the LOAD_FILE command might work, but further investigation showed that this command opens the file and returns the contents as a string. This feature is only used by Text and Blob columns of mySQL.

We finally had success with the **LOAD_DATA** statement after reading the documentation on the mySQL Website at:

http://www.mysql.com/doc/L/O/LOAD_DATA.html

We quickly tried importing the data with the default STExport settings. However, when we looked at the data, some records were not imported correctly. The records seemed to have the data offset by one field. We found the problem to be records with either quotes or commas in the data. Since these were also our delimiters and separators we changed the Suprtool and STExport commands to the following:

```
get m-customer
out mcust,link
xeq
export in mcust
export quote none
export delim "?"
export out mcustexp
export exit
```

We got rid of the quotes surrounding each field by using the Quote None statement and changed the delimiter to a character that we knew did not exist in our data. In our case we chose the Question Mark.

Importing the data into our table then became a single simple command entered from within Mysql Monitor:

```
load data infile 'm_customer_file.txt' into table m_customer
fields terminated by '?';
```

Once we had the basics down for importing the datasets into the mySQL tables, we could then import the entire database into mySQL.

We were able to check the data using the mySQL admin tools, but for more flexible access we installed some PHP scripts for working with mySQL databases.

Overall, we found it relatively easy with STExport to duplicate our production IMAGE database structure and contents in mySQL. Of course, we did do a little studying in two books:

- ["Sams Teach Yourself MySQL in 21 days" by Mark Maslakowski and Tony Butcher, ISBN 0-672-31914-4](#)

- ["MySQL", by Paul DuBois ISBN 0-7357-0921-1](#)

Qedit for Windows Tips

[Edit Report Layouts By Row and Column](#)



Every once in awhile I do some consulting to work on various applications for customers. This helps keep perspective on application programming and how customers use our tools in the real world. While changing the layout of a report written in Cobol (with Suprtool doing the data extraction) the customer was changing their mind about the layout of the report.

To help both the customer and myself write the report, I pasted in the current version of the report and edited the report using Qedit for Windows.

What I found really helpful was that by just turning on the View "Ruler Bar" I could easily see the layout and number of spaces for the Header lines.

Once this portion was designed, I could then use the View "Record Numbers" feature to count the number of lines in the report.

```
1
2
3
4
5
6
7
8
9
10
11
12
13     XYZ TRAVEL LTD.
14     1234 FIRST ST.
15     TORONTO, ON CANADA L2H 1L2
16
17
18
19
20
21
22
23
24
25
26
27 Record                               D
28 Locator      Customer Name          Pax  Bo
29 -----
30 Phone Bookings
31 ABC123      ARMSTRONG/NEIL           1   24J
32 ABC123      ARMSTRONG/CONNOR          1   24J
33 ABC123      ARMSTRONG/ALY            1   09A
34 ABC123      ARMSTRONG/NEIL           1   09A
35 ABC123      EDWARDS/JANINE           1   14A
36 ABC123      EDWARDS/IAN              1   21A
37 ABC123      EDWARDS/KYIV             1   21A
38
```

Once I had the design done, I could also test the line spacing and layout by printing the report to the screen and cutting and pasting into Qedit for Windows to insure that everything lined up and the Line counts were correct.

I realize that this is very "old school" but there are still some of us who do high volume, good old data processing and printing reports and using this newfangled Qedit for Windows provided a nice trick for this old programmer.



Suprtool Tips

[Sync-up Your Master Totals Via Update-From-Table](#)



By Paul Gobes, Technical Support

Suprtool added the Update-From-Table feature in version 4.4.10. You can read about this flexible new option in [this NewsWire article](#).

Many applications keep a running total in the master record of all the detail transactions. You can use the latest feature in Suprtool to easily do this.

The following example reads the D-SALES detail set and summarizes the total sales for each customer.

```
>base      store,1,writer
>get       d-sales
>sort      cust-account
>duplicate none keys total sales-total
>extract   cust-account
>output    summary,link
>xeq
```

```
>input summary;list standard;x
Aug 23, 2001 11:56
```

```
CUST-ACCO ST-TOTAL-1
```

```
      123                136193+
      4566               723309+
IN=2, OUT=2. CPU-Sec=1. Wall-Sec=1.
```

Now let's update the master dataset records. Notice the new syntax on the TABLE and the EXTRACT commands.

```
>table t-sales,cust-account,file,summary,data(st-total-1)
>get m-customer
>if $lookup(t-sales,cust-account)
>update
```



```
>extract sales-history = &  
  $lookup(t-sales,cust-account,st-total-1)  
>xeq
```

Finally, here is what the Master set records look like:

```
>g m-customer;ext cust-account,sales-history;lix
```

```
>GET M-CUSTOMER (134) >OUT $NULL (0)  
CUST-ACCOUNT    = 4566  SALES-HISTORY    = 723309
```

```
>GET M-CUSTOMER (187) >OUT $NULL (1)  
CUST-ACCOUNT    = 123    SALES-HISTORY    = 136193
```

paul.gobes@robelle.com

[Convert Leading Spaces to Zeroes](#)

Recently a user asked us how to convert leading spaces in an ASCII 'Numeric' field (i.e., Zoned/Display) into leading zeroes.

You can do it in Suprtool, but there is a trick to it. Click the link above to find out how.



Links/Resources

[Tech Group University: Fall MPE Classes](#)

The Tech Group University 2001 Fall Semester Catalog and schedule of MPE classes have been published. The catalog now has over 90 MPE related training classes, with over 30 initially on the schedule, including Suprtool and Qedit. Please visit the virtual campus (www.TechGroupMD.com) to see which classes might be right for you.

[HP e3000 Jobs: Amos and Associates](#)

Diane Amos has been a recruiter in the HP field since 1986.

[3kworld: Robelle is Building a Community](#)

About Robelle and our place in the 3000 community.

Internet Tips

[Apache/iX: Documentation Web Page](#)

Apache is a widely used web server that has been ported to many computing platforms. It is open source, free, reliable and fast. Apache is used to serve up web pages for some of the most famous sites on the internet. Click the link above for the documentation and links needed to install Apache 1.3 on MPE/iX and to get assistance.

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