

SUPRTOOL for AMXW

By Robelle Solutions Technology Inc.

Easy HP e3000 Migration for SUPRTOOL Customers

SUPRTOOL for AMXW, also known as SUPRAMXW, is not just an amalgam of super-acronyms - it's the hottest new migration solution available for SUPRTOOL customers. Developed jointly by Speedware and Robelle, SUPRAMXW resolves migration obstacles for HP e3000 companies that have SUPRTOOL.

The Challenges

Hundreds of sites have already migrated their SUPRTOOL tasks from MPE to SUPRTOOL for HP-UX. However, there are many more customers who require assistance with this migration. SUPRTOOL for HP-UX has the same commands as SUPRTOOL for MPE, yet MPE scripts like job stream and command files contain much more than just SUPRTOOL commands. For example, MPE job streams can also include MPE File commands, Build commands and IF-Endif constructs - to name just a few - as part of the JCL logic.

In fact, customers may discover that, in order to migrate an MPE task to HP-UX, they will be required to find an HP-UX equivalent for a multitude of MPE commands, intrinsics and functions that they use extensively. Companies with limited resources and/or time may consider this conversion process a major challenge.

The Solution

Robelle concluded that the solution was to link SUPRTOOL for HP-UX with Speedware AMXW, the renowned MPE-enabling migration software for non-MPE platforms. SUPRAMXW is a unique

hybrid MPE/HP-UX version of the SUPRTOOL software. Speedware and Robelle agreed to work collaboratively to solve this migration challenge for HP e3000 customers.

The strength of SUPRAMXW is that much of the SUPRTOOL code or intrinsics found in application environments can remain untouched, continuing to rely on MPE concepts and access MPE files on HP-UX. Less code to change translates into less risk, quicker start-up time, increased productivity and significant cost savings!

Two Technologies Combined

From a migration point of view, a SUPRTOOL customer requires two components installed: AMXW for HP-UX and SUPRTOOL for AMXW. AMXW will easily migrate 3GL applications and SUPRAMXW can be used as the new SUPRTOOL on

HP-UX that will support the existing SUPRTOOL code.

MPE-enabling on non-MPE Platforms

The real power of AMXW comes from its outstanding ability to keep MPE functionality on non-MPE platforms while maintaining high performance. Since most of the application code, MPE commands and MPE file types does not need to be modified to be usable on other platforms, the time and cost of migration is greatly reduced.

SUPRTOOL on HP-UX Supports MPE Concepts

SUPRAMXW is a hybrid product, which runs on HP-UX and calls "MPE" intrinsics - the "MPE" being a reference to the intrinsics provided

```
SUPRTOOL/AMXW/Copyright Robelle
Solutions Technology Inc. 1981-2005.
(Version 4.9 Internal) THU, AUG
11,005,11:27 AM
Type H for help.
>base sample
Database password [;]?
>get lineitems
>if qty>10
>out bigords,link
>xeg
IN=272, OUT=4. CPU-Sec=1. Wall-Sec=1.
>in bigords
>sort itemno
>output=input,nodupkey
```

SUPRTOOL for AMXW supports SUPRTOOL MPE commands on HP-UX.

SUPRTOOL for AMXW

by AMXW. Essentially, it is a special version of the SUPRTOOL for HP-UX product linked with AMXW libraries.

With SUPRAMXW, "MPE"-isms are re-integrated back into portions of SUPRTOOL for HP-UX allowing concepts such as record size, foptions, aoptions, device class and the like, so that SUPRTOOL is able to read, write and understand all of the MPE attributes of MPE files. This is possible because SUPRTOOL for HP-UX now has calls to MPE intrinsics like FOPEN, FREAD, FWRITE, FGETINFO and FCLOSE - courtesy of AMXW.

JCL Migration: Sustain Your MPE and SUPRTOOL Code

MPE scripts containing a mixture of SUPRTOOL commands and MPE commands such as JCL batch jobs, command files, etc. can remain untouched on HP-UX. In addition, SUPRTOOL can now support any of the MPE commands supported by AMXW. This is possible because SUPRAMXW simply calls AMXW's HPCICOMMAND intrinsic where the command is not a SUPRTOOL command and/or it is preceded by a colon.

SUPRTOOL for AMXW also knows when it is being run from inside AMXW's MPE shell (nlsh) for various internal reasons and startup command processing. As such, MPE concepts like file equations and session variables can remain in the code and continue to be used in a SUPRTOOL environment.

For the SUPRTOOL Techies

Popular data-reading commands like Input and Table continue to access MPE-type files by opening the files with FOPEN, getting specific information using FGETINFO and finally reading the data with FREAD.

Similarly, data-writing commands like Output and List

use the standard MPE/AMXW intrinsics to write to MPE-type files.

Reading and writing MPE-type files is accomplished using AMXW's MPE intrinsics and by making sure that AMXW's MPE-properties file (.NL file) is kept up to date using AMXW's FWRITELABEL/FREADLABEL intrinsics.

Efficiency Maintained

SUPRTOOL is known for its efficiency to process data at remarkable speed. With AMXW, SUPRTOOL continues to provide high efficiency in data access since native UNIX functions continue to be used for data access.

Key Features and Benefits

- **Key features**
Embedded MPE commands within SUPRTOOL remain; MPE-type files can be shared between 3GLs and SUPRTOOL; JCL and command files can be quickly migrated using AMXW; SUPRTOOL intrinsics remain untouched.
- **Less risk, effort and cost**
Since the JCL, command file, MPE or SUPRTOOL code or intrinsics don't have to change, risk and implementation time is minimal, which translates into cost savings.

Platforms and Databases

SUPRTOOL for AMXW is available on HP-UX and supports Eloquence, Oracle and Allbase databases as well as MPE-type files like ASCII, circular, message and temporary, and UNIX-type files.

About Speedware

Speedware has been dedicated to helping companies modernize their business applications for over 15 years and enjoys a 100% project success rate. The company specializes in developing end-to-end modernization solutions that allow industry and government leaders to increase their business agility and reduce their operational costs. Speedware has been a leading provider of enterprise software solutions since 1976, offering a complete suite of legacy modernization, migration and application portfolio management solutions, business intelligence tools and application development solutions.

About Robelle Solutions Technology Inc.

Robelle is a software company that has attained a world class reputation in its niche. The company creates and markets software for HP servers (MPE and HP-UX) that is widely considered essential to the professional and productive operation of those systems. Namely: Qedit and Suprtool.

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