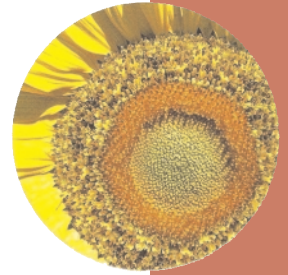


# MPUX™

## MPE support for migrated HP-3000 applications



If you want to quickly move your trusted applications away from the doomed HP-3000 platform, one issue must seem difficult to contain: how to change as few items in your application code as possible. The easiest thing to do would be to change nothing at all, just put a perfect MPE emulation underneath the rehosted applications. That's exactly what Ordina Denkart has produced with MPUX: a dependable MPE sub-system that will eliminate the original hardware platform before moving on to real application re-engineering.

### MPUX lets you take MPE with you

MPUX offers all MPE features to easily run, maintain and manage your HP-3000 applications on another platform. After you start the MPUX command interpreter and work with it for a while, you might actually forget that you are using a UNIX machine. That's the amount of MPE emulation you get: a completely compatible environment, from the bottom layer of intrinsics all the way to the top with the command interpreter.

MPUX however does not isolate applications or users in a small emulation environment. At all times, applications have access to all native platform services. MPUX can even be used as a shell that is confined to executing single applications, effectively remaining invisible to users. Additionally, some MPUX layers like the intrinsics subsystem can be used individually without requiring you to drag along unused components.

### Command interface

The MPUX command interface emulates a genuine HP-3000 interactive environment. Just start the MPE shell, and you have access to hundreds of commands and utilities.

MPUX is MPE-compatible, even to the extent of UDC's, file equations and the three-level file system. The MPUX CI has support for these commands (actual set is too large to list here):

• ABORT-ABORTIO-ABORTJOB	• OUTFENCE
• ALTSPOOLFILE-ALTUSER	• PREP-PREPRUN
• BREAKJOB	• PRINT
• BULLD	• PURGE
• COB74*-COB85*-COBOL*	• REDO
• COPY	• RELEASE
• ECHO	• RENAME
• EDIT	• RESUMEJOB-RESUMESPOOL
• FCOPY	• RUN
• FILE	• SAVE
• HELLO	• SET
• INPUT	• SETJCW-SETMSG-SETVAR
• JOB-JOBFENCE-JOBPRI	• SHOWJOB
• LIMIT	• SHOWOUT
• LISTACCT	• SPL-SPLGO-SPLPREP
• LISTF-LISTFTEMP	• STARTSPOOL-STOPSPOOL
• MPE	• STREAM
• NEWACCT	• TELL-TELLOP
• NEWGROUP-NEWUSER	:

### Sub-systems and utilities

An important set of HP-3000 sub-systems and utilities is emulated by MPUX as well. MPUX includes a spooler, batch sub-system (including support for job streaming), JOB and SESSION management and more.

Utilities like FCOPY, SORT and MERGE have their counterparts in MPUX as well. Together with the sub-systems, these components make up a workable MPE environment that is compatible in both its interfaces as well as its operation.

### Intrinsics & System support

All MPUX services are built on top of a genuine INTRINSICS layer, just like MPE is organized. This layer provides compatible services to both the MPUX system components as well as to any migrated applications. Whether you use MPUX as an application programmer or simply as a user of CI, the result will be consistent: reliable emulation. The following intrinsics categories are readily available in MPUX:

- *File system intrinsics*: all functions for all file types (except RIO support)
- *Process intrinsics*: CREATEPROCESS, ACTIVATE, SUSPEND, PROCINFO and many others
- *Catalog intrinsics*: the entire set is available
- *XDS intrinsics*: GETDSEG, FREEDSEG, DMOVIN, DMOVOUT and others offer complete emulation
- *NETIPC*: emulates HP's particular IPC functions
- *System*: COMMAND and HPCICOMMAND are fully supported, amongst many others.

### Availability

MPUX is available for HP-UX, Linux and Windows (NT, 2000, XP). Other platforms, extensions and customizations can be obtained from Ordina Denkart.

MPUX is a boxed product that is available as part of a HP-3000 migration solution. *ViaNova 3000* offers a complete solution consisting of services, cross-compilers, DBMS', GUI toolkits etc. to safely migrate code & data. More information is available on-line at:

[www.denkart.com/vianova/vn3000.htm](http://www.denkart.com/vianova/vn3000.htm)

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