User Interface Migration

Speaker name
Title
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Agenda

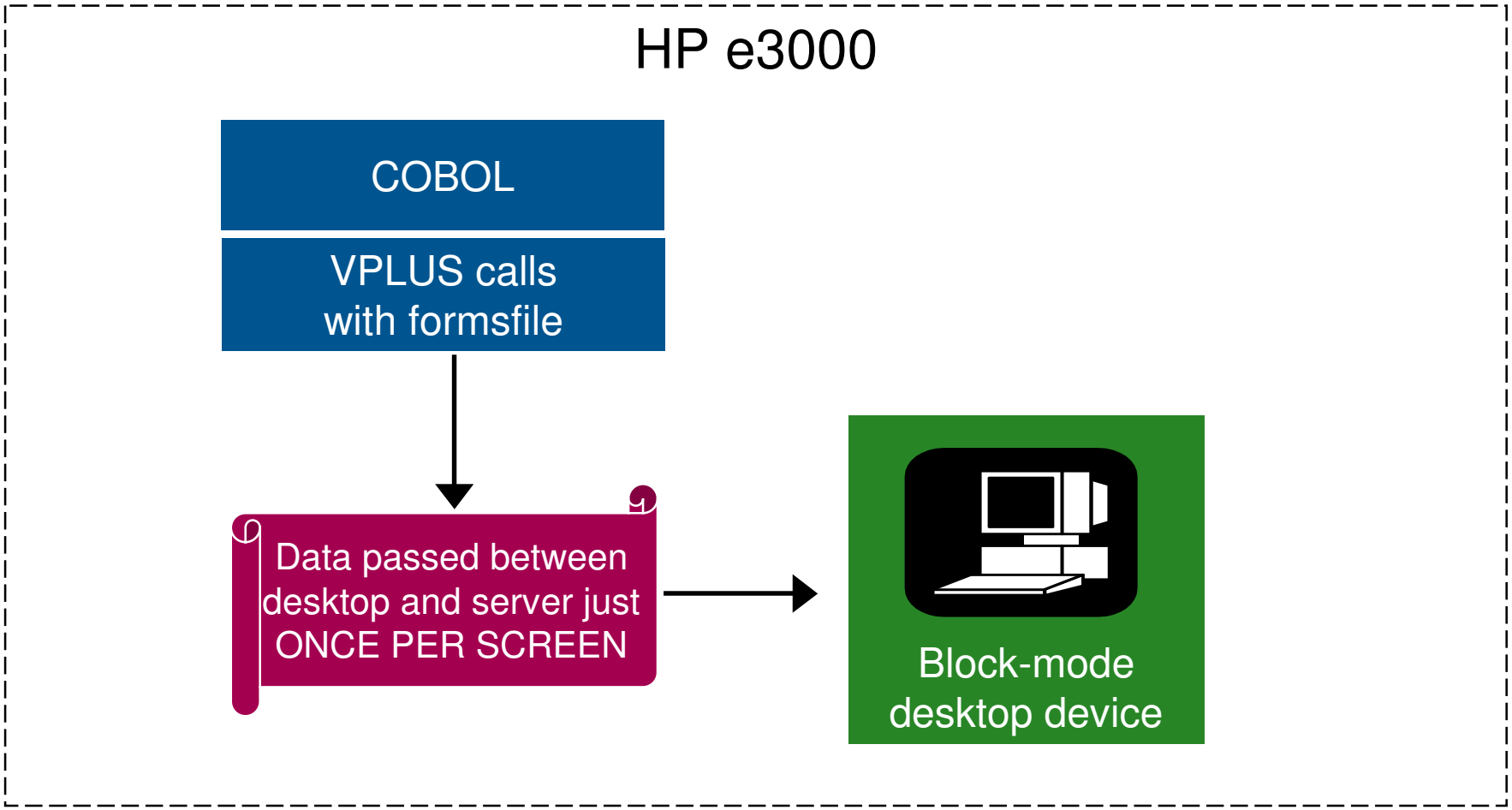
- Understanding VPLUS
- VPLUS replacement options recommended by platinum partners
- Other replacement solutions
- Q&A

Understanding VPLUS

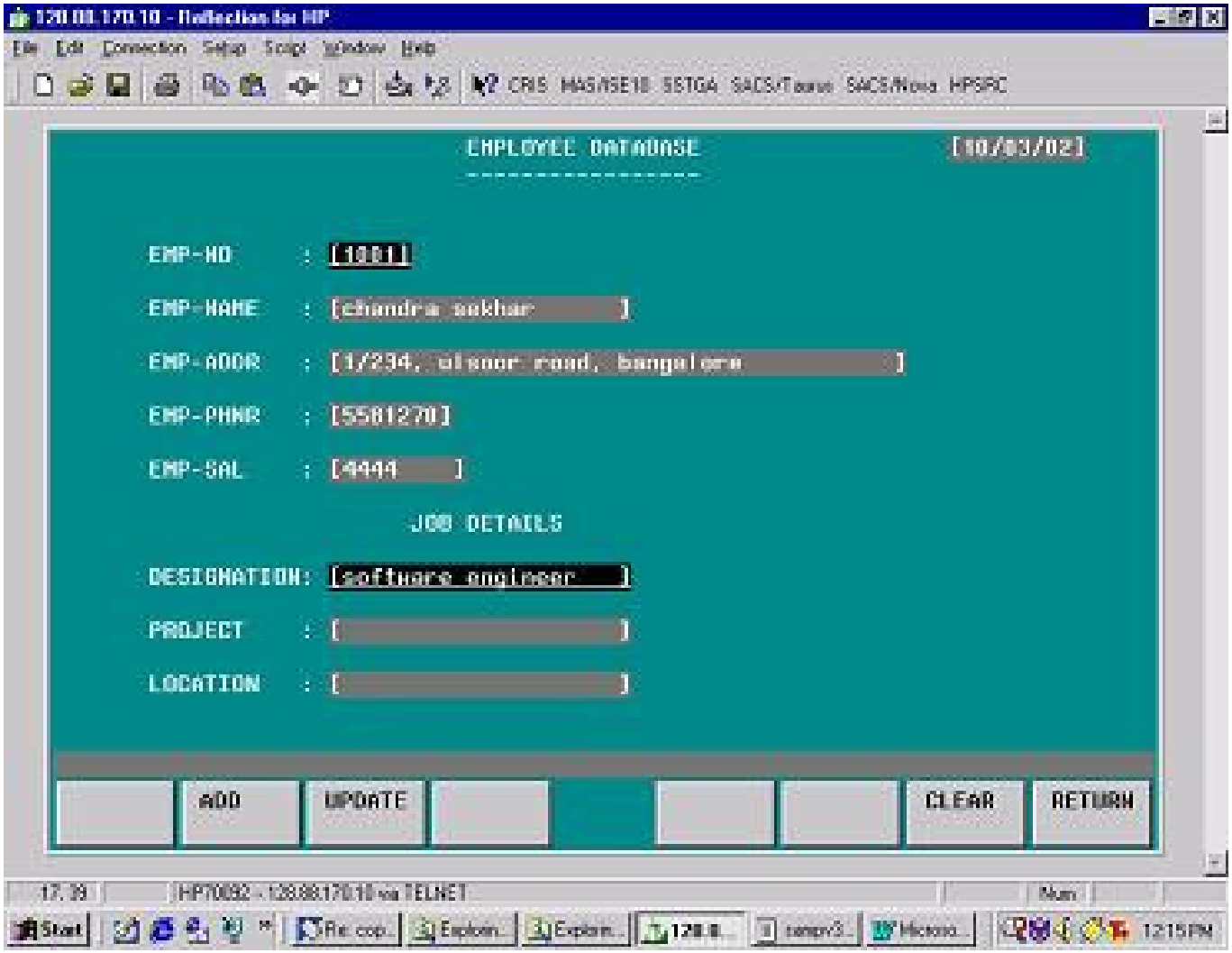
VPLUS forms

- VPLUS does not exist on other platforms
- Forms must be converted to another format compatible with the new compiler
- Intrinsics must be converted, removed, or “wrapped”

VPLUS overview



VPLUS form example



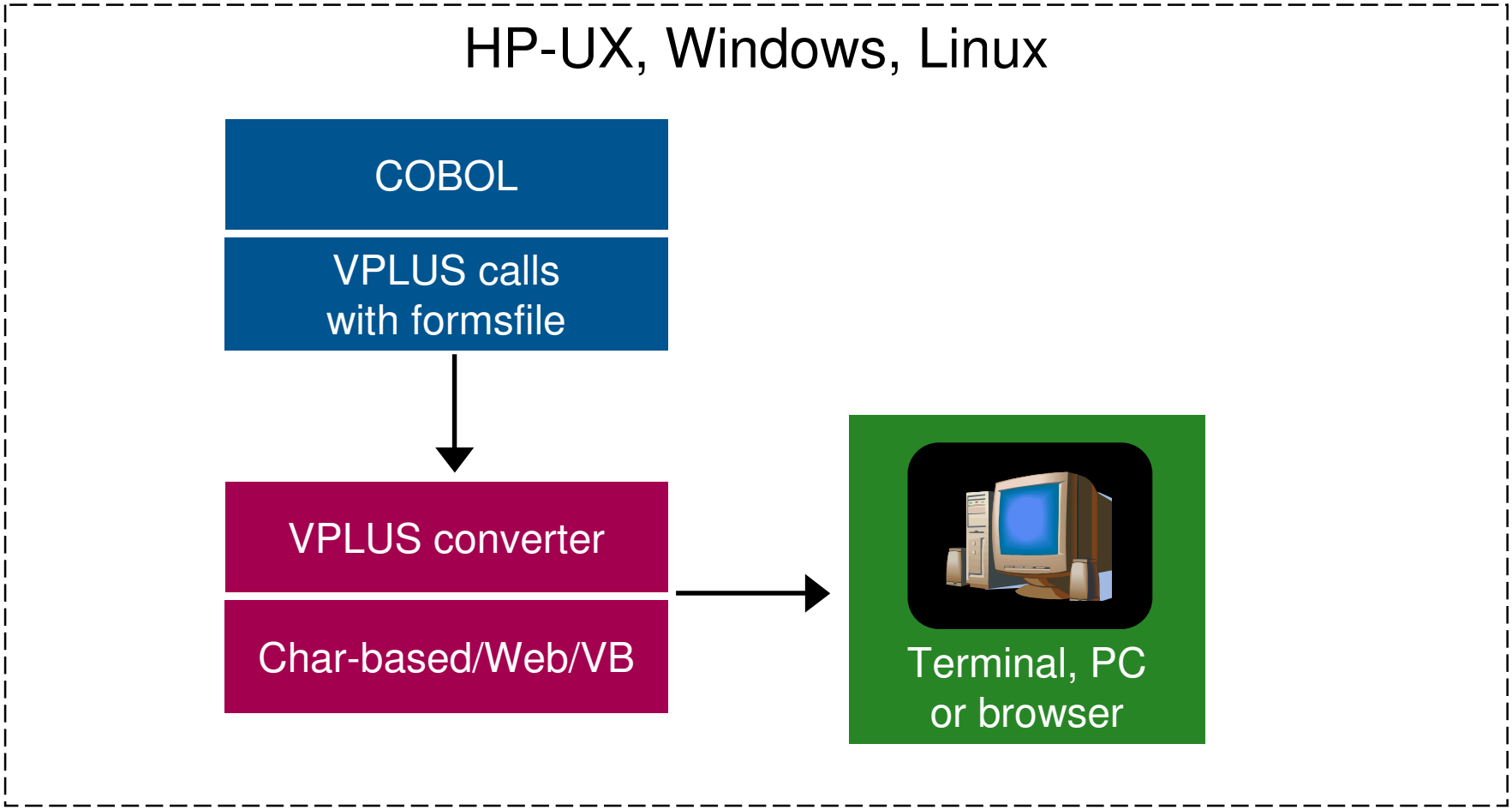
Understanding VPLUS intrinsics

- VCHANGEFIELD
- VCLOSEBATCH
- VCLOSEFORMF
- VCLOSETERM
- VERRMSG
- VFIELDEDITS
- VFINISHFORM
- VGETBUFFER
- VGETFIELD
- VGETFIELDINFO
- VGETFILEINFO
- VGETFORMINFO
- VGETKEYLABELS
- VGETLANG
- VGETNEXTFORM
- VGETTYPE
- VINITFORM
- VLOADFORMS
- VOPENBATCH
- VOPENFORMF
- VOPENTERM
- VPLACECURSOR
- VPOSTBATCH
- VPRINTFORM
- VPRINTSCREEN
- VPUTBUFFER
- VPUTFIELD
- VPUTTYPE
- VPUTWINDOW
- VREADBATCH
- VREADFIELDS
- VSETERROR
- VSETKEYLABEL
- VSETKEYLABELS
- VSETLANG
- VSHOWFORM
- VUNLOADFORM
- VWRITEBATCH

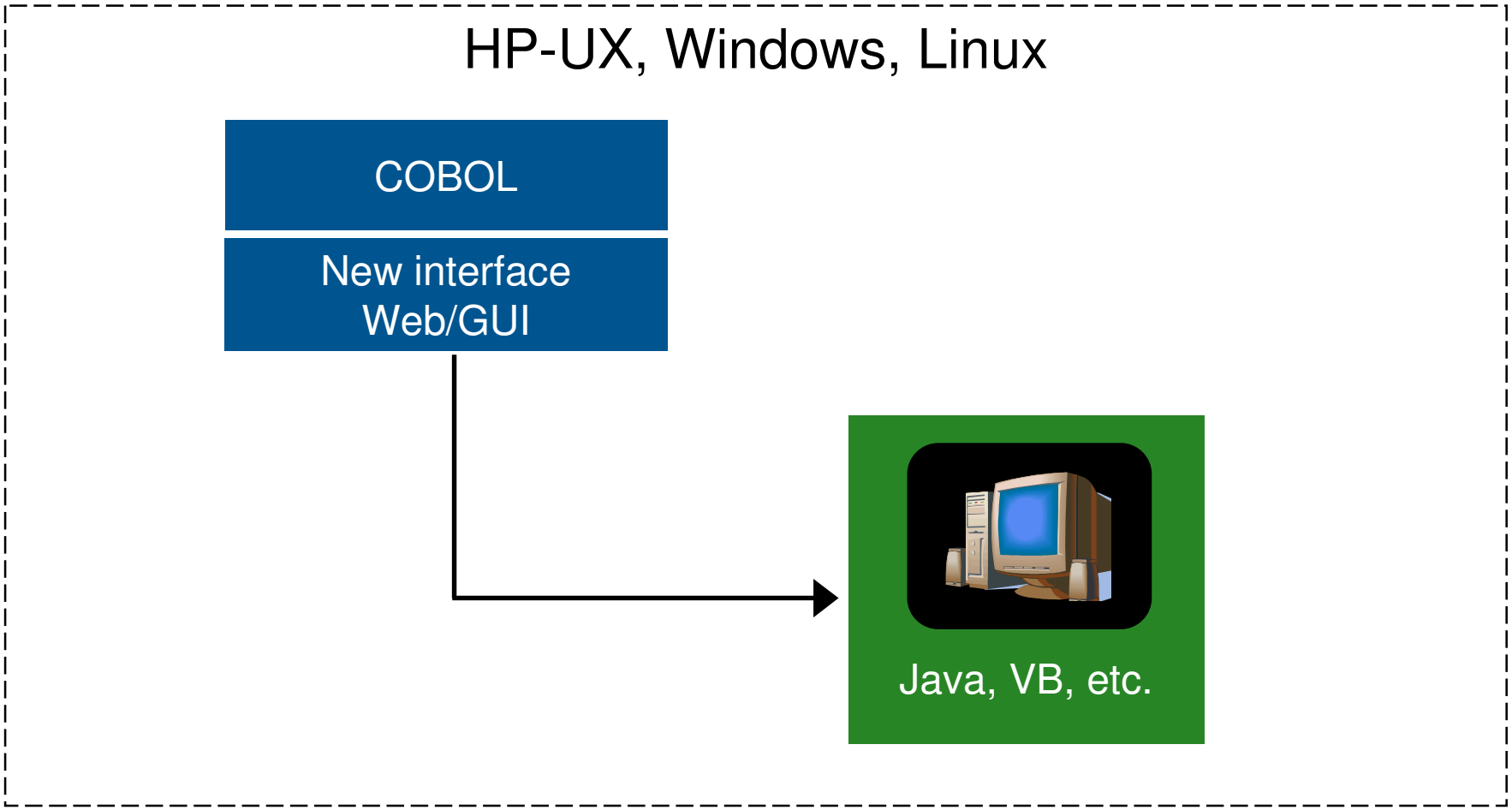
VPLUS compilation errors with new compiler

VPLUS Intrinsic Calls	Errors or Warnings Encountered with MF
CALL "VOPENTERM" USING COMAREA FILENAME.	173 called program file not found in drive or directory - VOPENTERM
CALL "VOPENFORMF" USING COMAREA filename.	173 called program not found in drive or directory - VOPENFORMF
CALL "VGETBUFFER" USING COMAREA BUFFER-FRM1 DATABUFLEN	173 called program not found in drive or directory - VGETBUFFER
CALL "VERRMSG" USING COMAREA MSGBUF MSGBUFLEN ERRMSGLEN	173 called program not found in drive or directory - VERRMSG
CALL "VPUTWINDOW" USING COMAREA MSGBUF MSGBUFLEN	173 called program not found in drive or directory - VPUTWINDOW
CALL "VGETNEXTFORM" USING COMAREA.	173 called program not found in drive or directory - VGETNEXTFORM
CALL "VINITFORM" USING COMAREA	173 called program not found in drive or directory - VINITFORM
CALL "VFIELDEDITS" USING COMAREA	173 called program not found in drive or directory - VFIELDEDITS
CALL "VSHOWFORM" USING COMAREA	173 called program not found in drive or directory - VSHOWFORM
CALL "VREADFIELDS" USING COMAREA	173 called program not found in drive or directory - VREADFIELDS
CALL "VPUTBUFFER" USING COMAREA BUFFER-FRM1 DATABUFLEN	173 called program not found in drive or directory - VPUTBUFFER
CALL "VCHANGEFIELD" USING COMAREA WS-VPLUS-FIELD-SPECS WS-VPLUS-NUM-ENTRIES.	173 called program not found in drive or directory - VCHANGEFIELD
CALL "VFINISHFORM" USING COMAREA.	173 called program not found in drive or directory - VFINISHFORM
CALL "VCLOSEFORMF" USING COMAREA.	173 called program not found in drive or directory - VCLOSEFORMF
CALL "VCLOSETERM" USING COMAREA.	173 called program not found in drive or directory - VCLOSETERM

VPLUS replacement options



VPLUS GUI enhancements



VPLUS replacement solutions

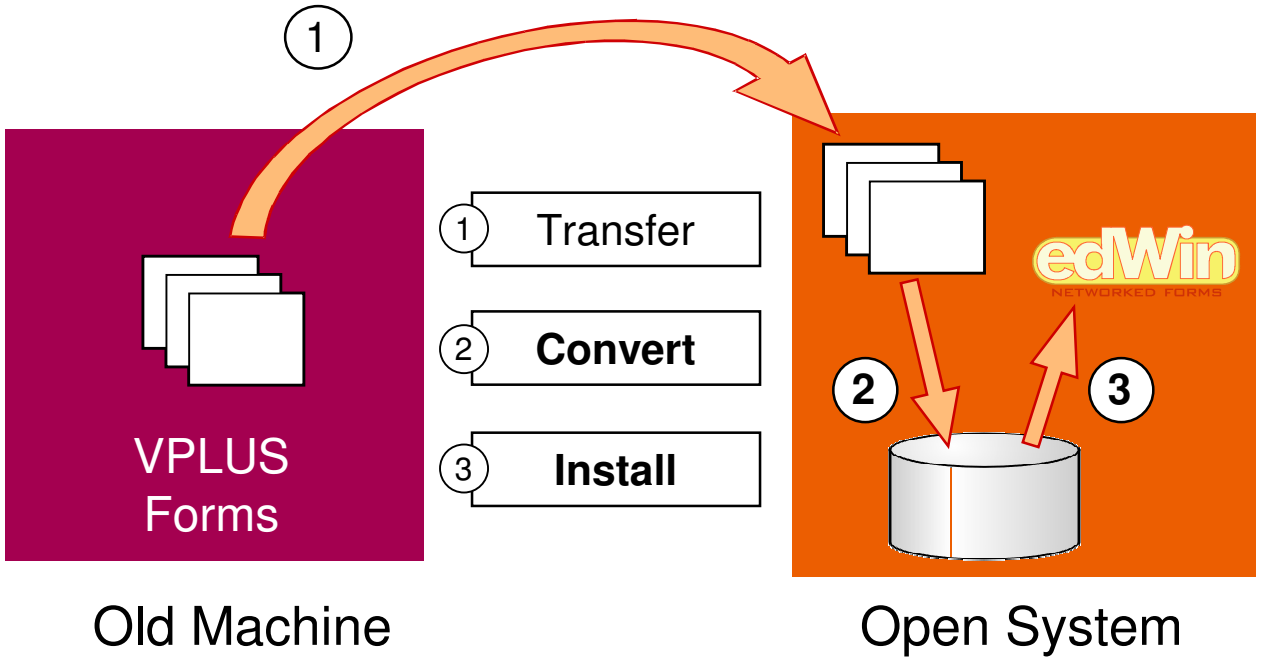
- Proven solutions known to include an automated migration tool
  - edWin/3k from Ordina-Denkart
  - LookVP from Cheops
  - ScreenJet from ScreenJet
- All solutions offer VPLUS intrinsics mapping library
  - Reduces the migration effort
  - Intrinsics calls need not be modified
- VPLUS is probably the easiest of all the 3GL application migration challenges

edWin/3K

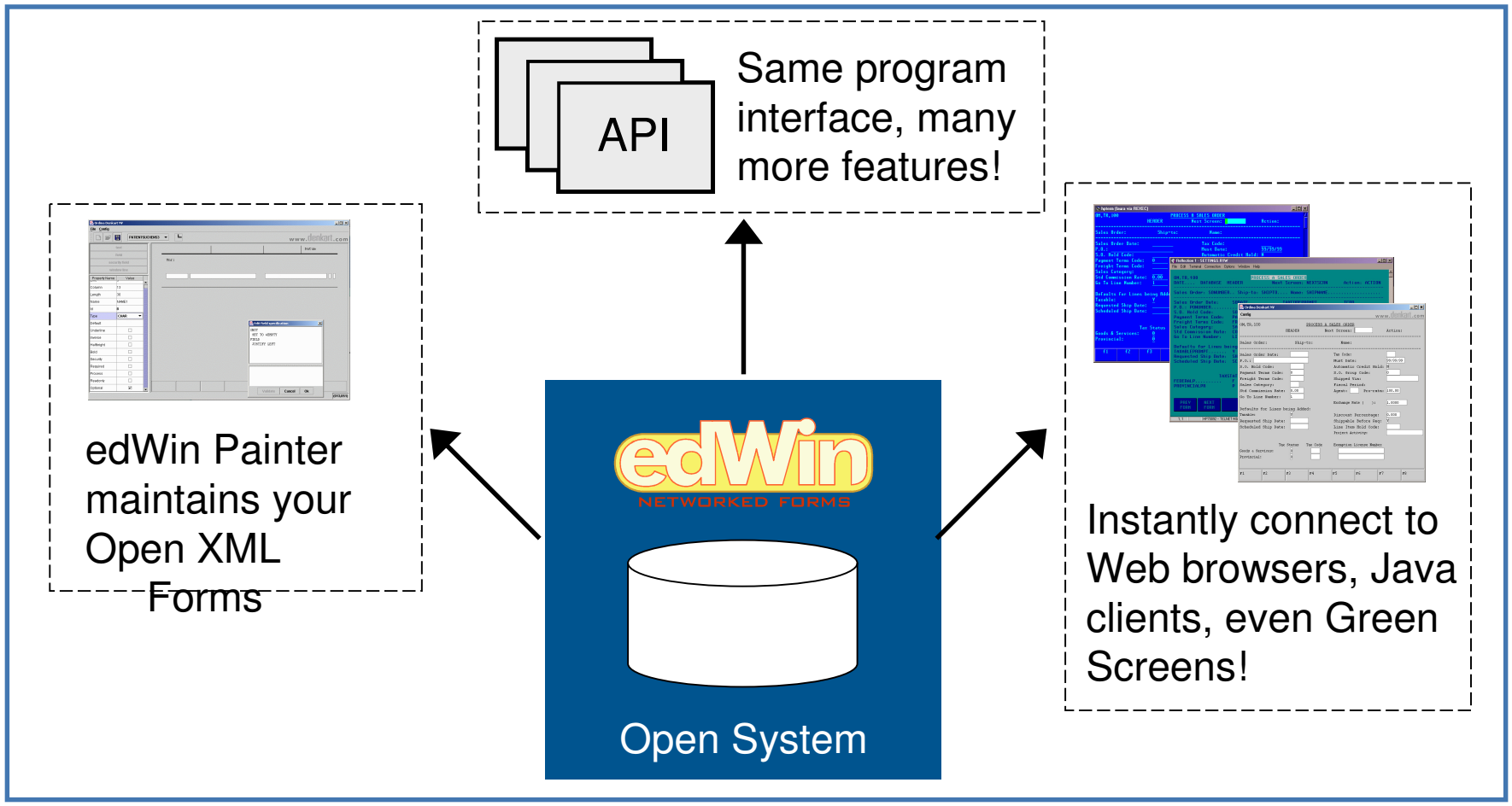
- Vendor: Ordina-Denkart (Belgium)
- Resellers: HP Platinum partners
- Quickly converts VFORM files to XML on Unix/ Windows
- Supports character-based interface and GUI (Java) on Unix and Windows
- Includes VPLUS intrinsics library
  - Reduces the migration effort
  - Intrinsics calls need not be modified
- Includes GUI designer to enhance the forms
- Pricing: Based on number of developers and end-users per target server.

Migrate VPLUS in 3 simple steps

Migrates quickly and completely



After migration: You got edWin!



edWin™ benefits

edWin offers these immediate benefits:

- edWin supports all of VPLUS
- There's no need to change anything
- Screen I/O is automatically open and platform independent

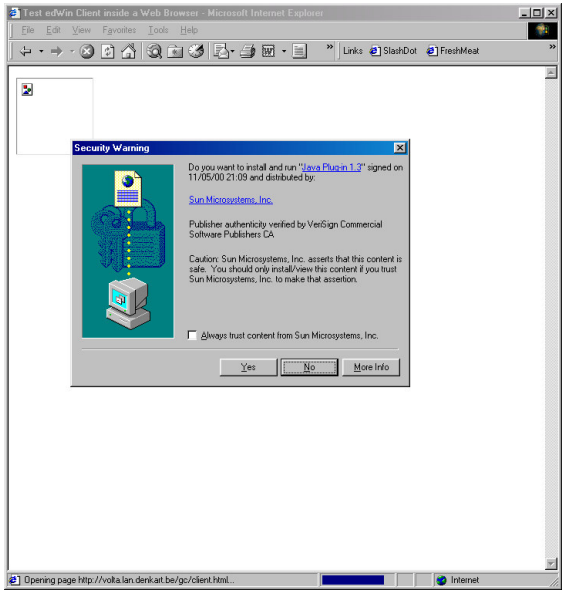
edWin/3K™ Example A—Easy client distribution

Actually, there's not much installation needed

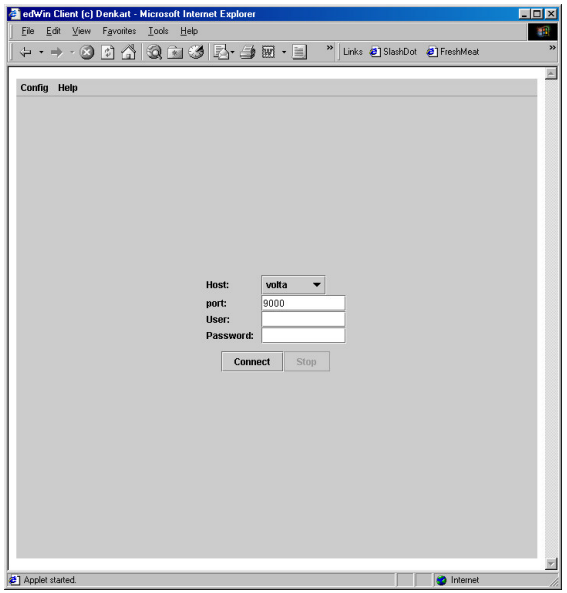
- Web/Java interfaces are downloadable
- Browser-model irrelevant
- Wide range of supported client platforms

edWin/3K™ Example A— Easy client distribution (cont.)

Connect to edWin/3K application server…



Automatic installation



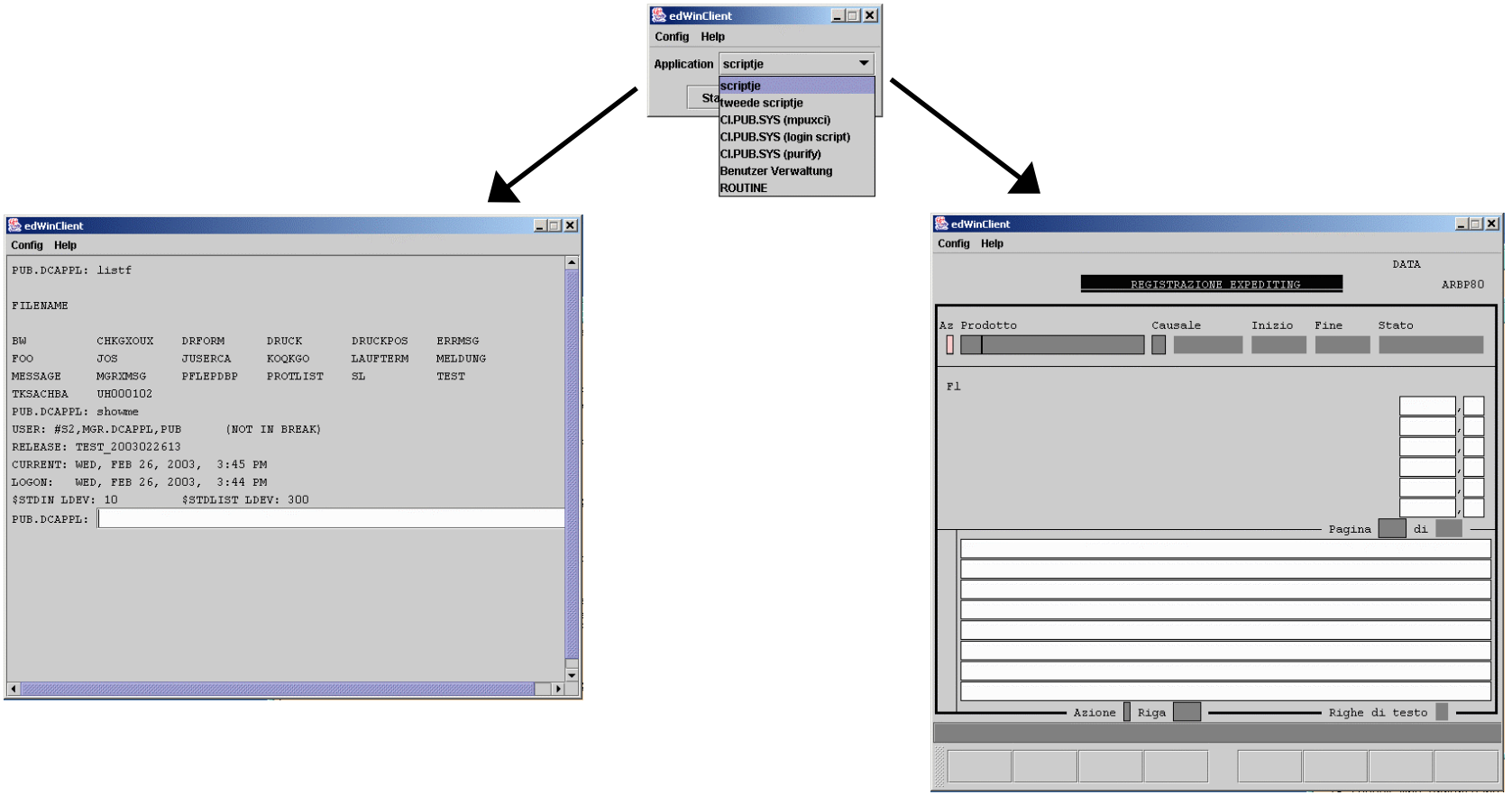
…and you're ready to go!

edWin/3K™ Example B— Compatibility and new features

edWin has fundamentally different architecture

- Client-server model for advanced networking
- Graphical and browser-based clients
- Nevertheless full forms and line-mode support
- Menu offers access to applications and even CI screens

edWin/3K™ Example B— Compatibility and new features (cont.)

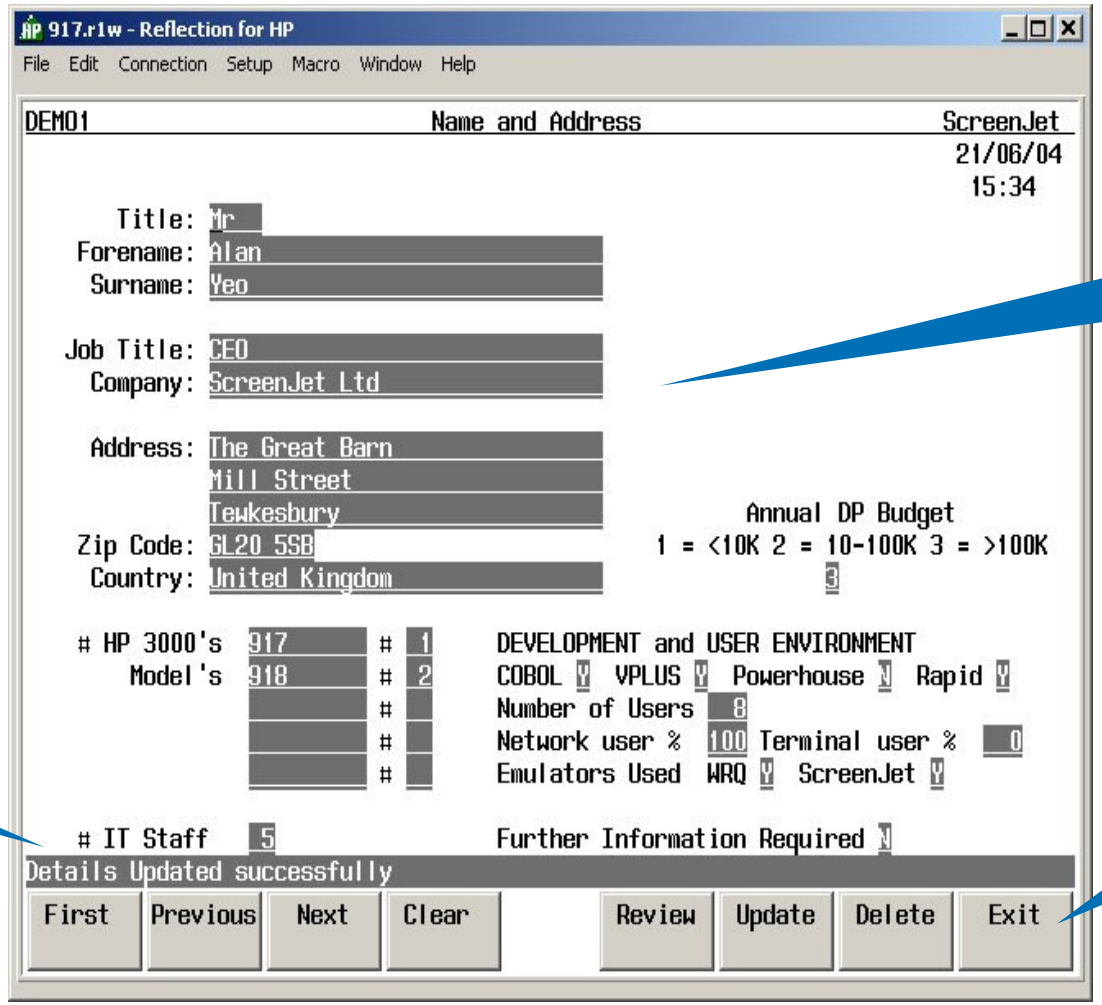


ScreenJet®

ScreenJet

- Vendor: ScreenJet (United Kingdom)
- Resellers: HP Platinum partners
- Quickly converts VFORM files to AcuBench screens
- Supports thin-client AcuBench GUI (Java)
- Offers VPLUS intrinsics library
  - Reduces the migration effort
  - Intrinsics calls need not be modified
- GUI form designer is AcuBench
- Pricing: Based on one conversion kit and number of users per target server

VPLUS screen on HP 3000



Fixed Tab Sequence Left-Right Top-Bottom

VPLUS Message Line

Function Key Labels

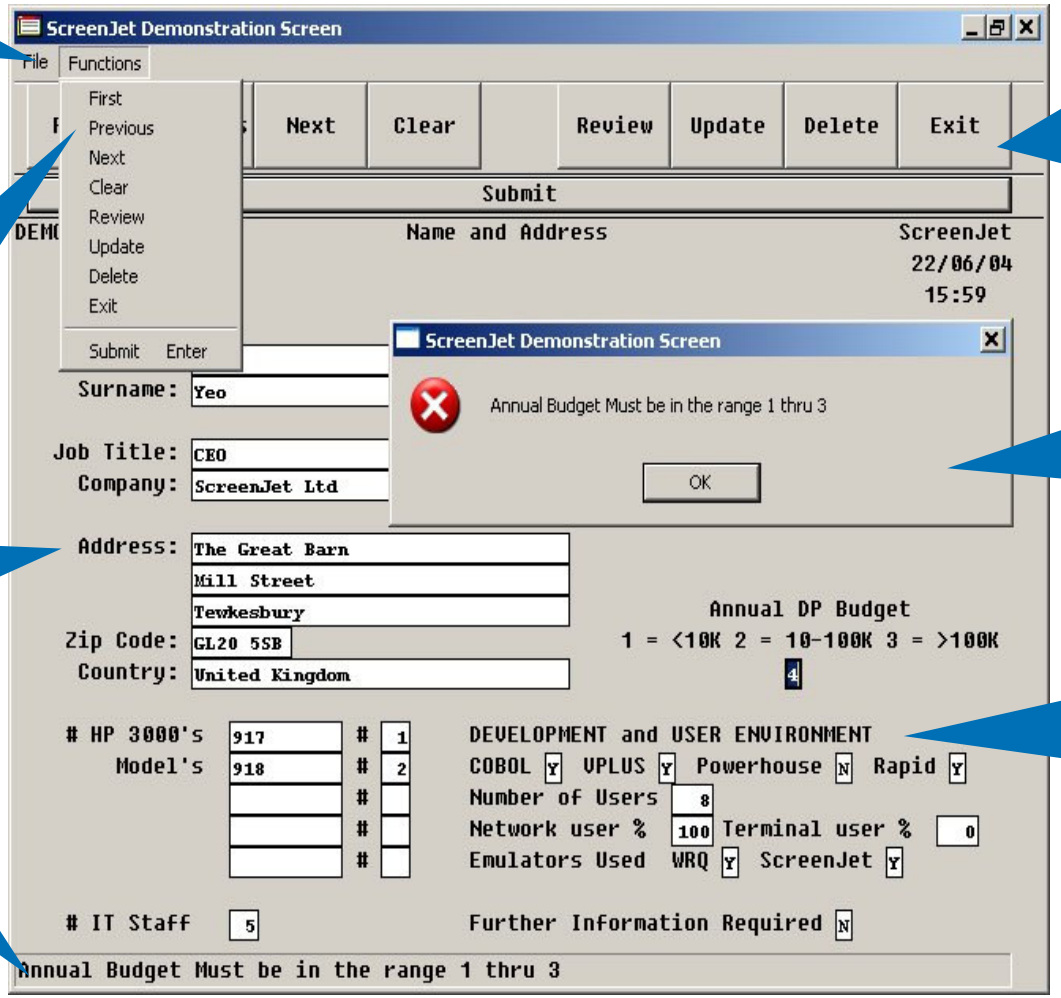
ScreenJet conversion defaults

Title from Form Description

Windows Menu generated from Function Keys, also supports app driven FKey labels

Identical Screen Layout to original Form

VPLUS Messages now in Windows Status Bar

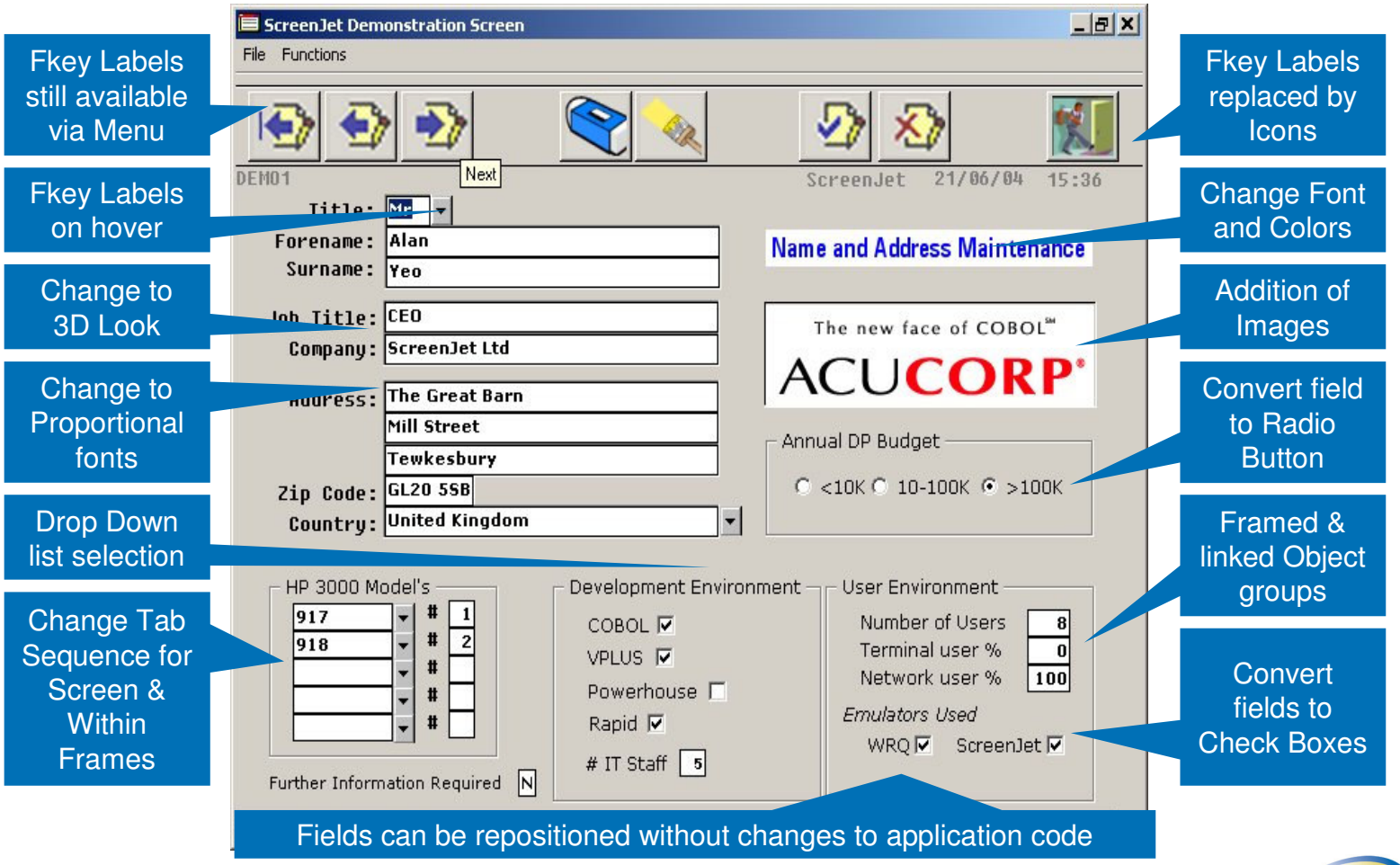


Function Keys on Windows Tool Bar, at bottom of screen, or omitted

Error Messages in optional Pop Up, click or CR to clear

Retains Field highlighting, cursor positioning, and tab sequence

Sample changes via AcuBench®



All these changes were made directly in the AcuBench Screen Painter and required no changes to the application code

From 1-to-1 VPLUS migration to the "rich client"

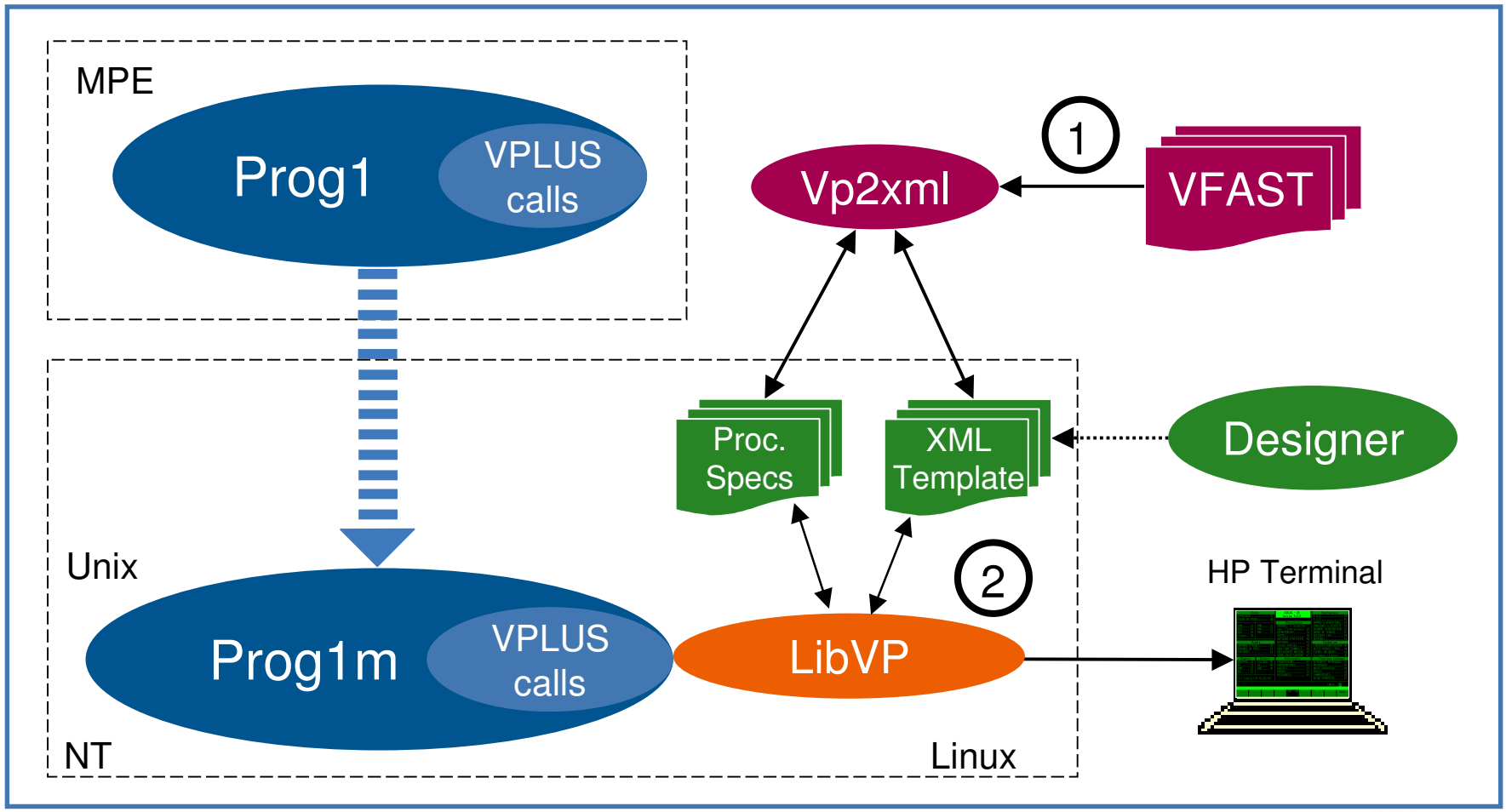
LookVP

- Vendor: Cheops (France)
- Resellers: HP Platinum partners
- Quickly converts VFAST files to XML format
- Supports Char-based, GUI (Java) and Web (HTML)
- Offers VPLUS intrinsics library
  - Reduces the migration effort
  - Intrinsics calls need not be modified
- Includes GUI designer to enhance the forms
- Pricing: Based on number of developers and end-users per target server

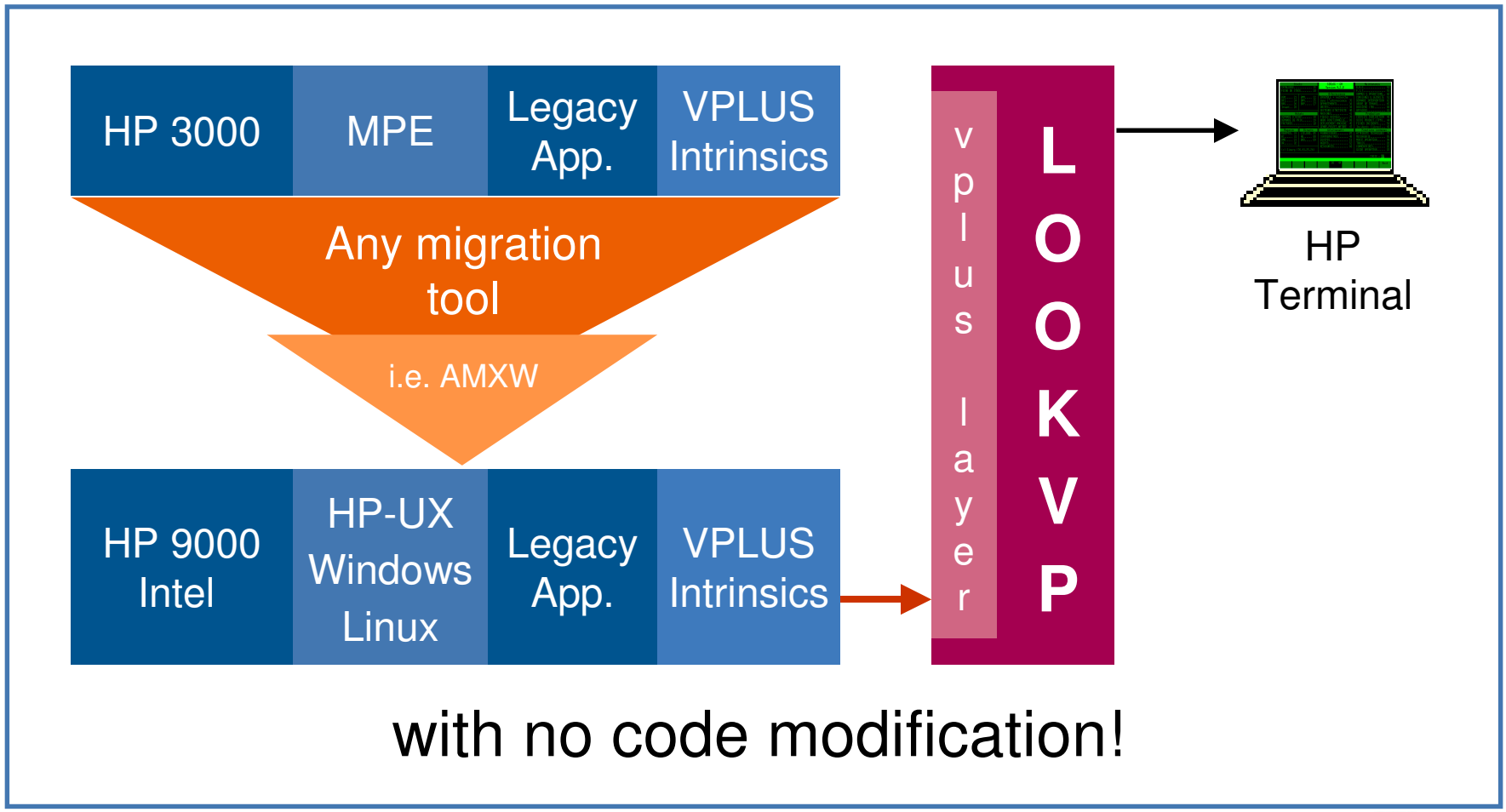
LookVP

- HP block-mode
  - any HP terminal
  - any terminal emulator supporting HP protocol
- VPLUS intrinsics
  - the most currently used
  - up to 100% on demand
- Processing specifications
  - full support (init, edit, finish)
  - configuration on demand (device, light)
- Maintenance of screens
  - forms through a graphical IDE (Designer)
  - processing specifications (Spring 2004)

LookVP


MPE
Prog1
VPLUS calls
1
Vp2xml
VFAST
Proc. Specs
XML Template
Designer
Unix
2
HP Terminal
Prog1m
VPLUS calls
LibVP
NT
Linux

LookVP


HP 3000
MPE
Legacy App.
VPLUS Intrinsics
Any migration tool
i.e. AMXW
HP 9000 Intel
HP-UX Windows Linux
Legacy App.
VPLUS Intrinsics
vplus layer
LOOKVP
HP Terminal
with no code modification!

VPLUS replacement

Other solutions

- Legacy J's ViewJ for PerCobol
- Sungard BI-Tech's XFORM
- Transoft's Intelligent Adapters
- Advanced Network Systems' VPLUS adapters
- Robust Systems' VB-VIEW
- eXegeSys' client

Q&A

Thank you

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