

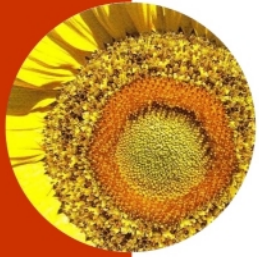


# **ViaNova 3000**

## **No-nonsense migrations**

An introduction

Dirk Steyaert



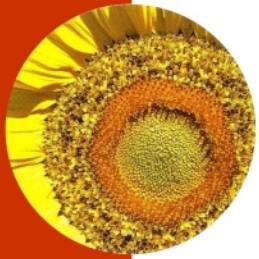
# Ordina Denkart NV

Supplying added-value transformations



# Company Résumé

- Originally founded by former HP professionals
- A centre of expertise within the Ordina Group (4000+ employees)
- Advanced conversion and re-engineering solutions since 1988
- Based in Flanders, Belgium



# Active in Software Migration

Two different types are common:

- **Platform migrations**: The current platform on which applications run is replaced by another one.  
examples: S390 to Unix, Wang VS to Unix, OS/2 to NT etc..
- **Language migrations**: The programming language of a set of applications is replaced by another language.  
examples: ASM to “C”, RPGII to RPGIV, Fortran to Cobol etc...

Both platform and language migrations can be combined in a single project!



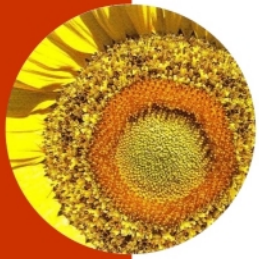
# Active in Software re-engineering

- Software re-engineering

Software re-engineering means: to drastically change the structure and/or functionality of existing applications.  
examples: Euro adaptation, Web-enabling, EDI etc...

- Re-engineering can be used together with migration in the same project

Either sequentially or combined.



# Conversion technology

- re•Source, a re-engineering platform
  - Large projects
  - Complex environments
  - Business driven decisions
- ViaNova, the migration methodology
  - Migrates correctly & efficiently
  - Uses Tools to Automate
  - Uses the best products for the target environment

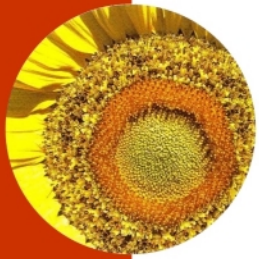


# Software transformation, a specialized business

**Application Conversion**

*And*

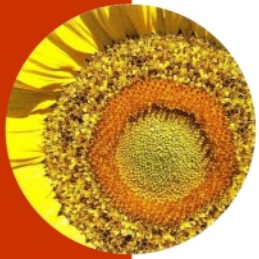
- People transformation
- Project Communication
- Interfacing
- Freezing time
- Compatibility
- Testing



# Our solutions approach: Complete & Integrated

- Feasability study
- Pilot
- Consultancy
- Planning
- Code analyses
- Migration/Transformation of:
  - People
  - Systems
- Service on demand or contractual





# Ordina Denkart

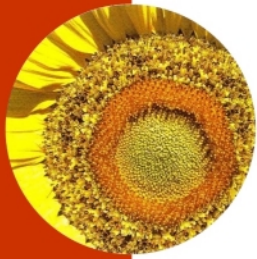
## HP's Transformation Partner

### Fact

- Longtime HP partner
- Own technology
- Tuning per customer
- Proven solutions
- Migration
- Transformation
- Opportunity

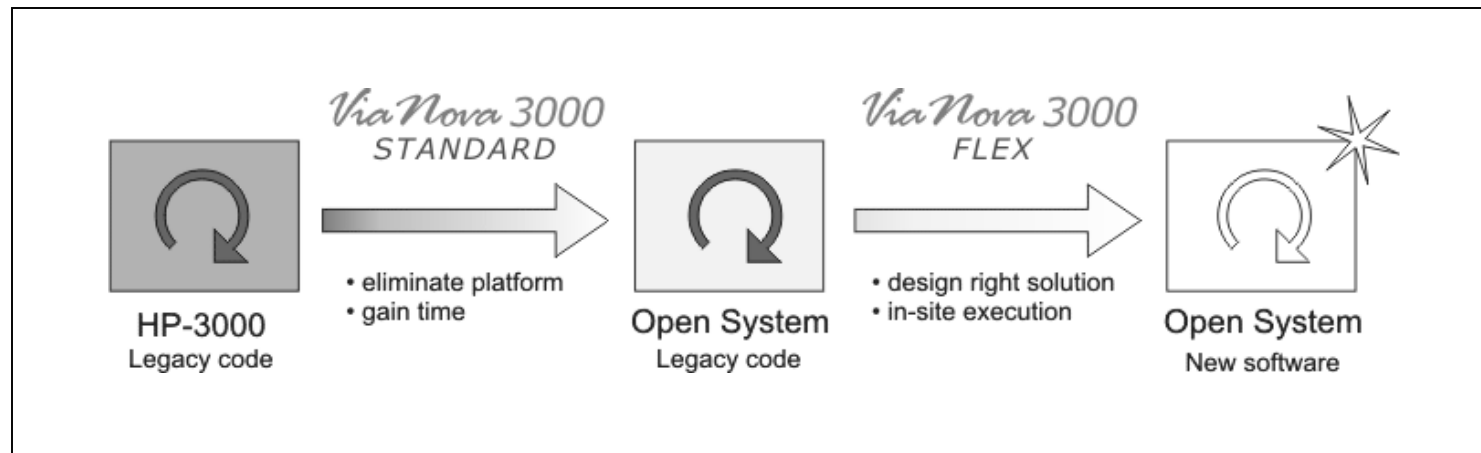
### Result

- Installed base protection
- Full control of results
- 100% Success rate
- Low risk
- Reduce costs/Gain time
- Opportunity
- Investment = benefits



# ViaNova 3000

## An end-to-end solution



- For platform migrations, re-engineering or both
- Uses specialized migration tools & products
- Go *OPEN* without waste of *TIME* (or resources)

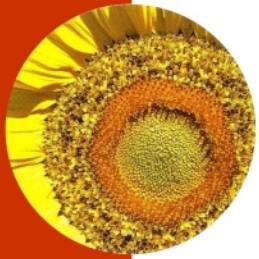


# **ViaNova 3000**

## **No-nonsense migrations**

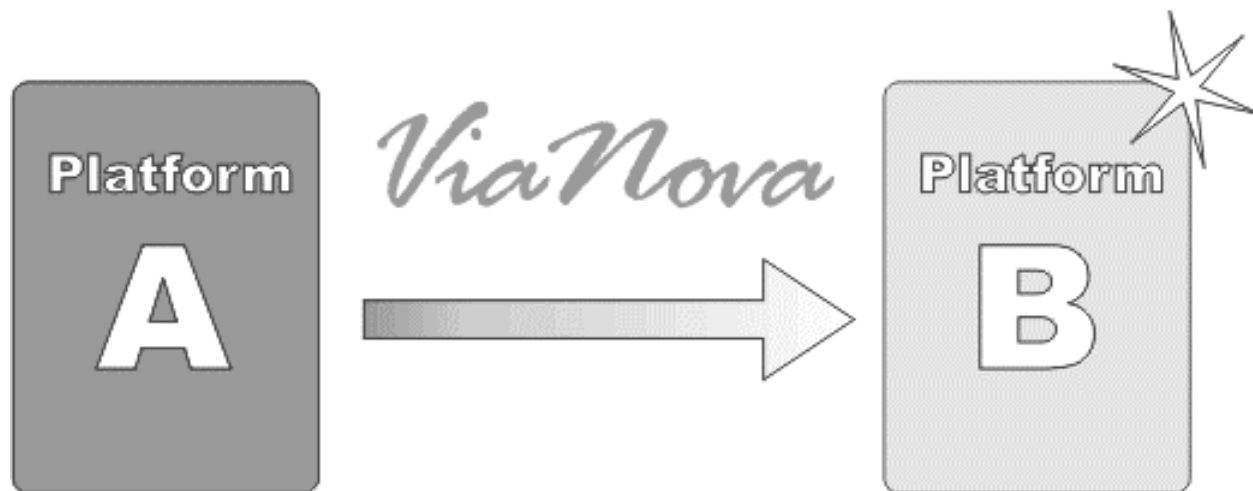
A solution explained

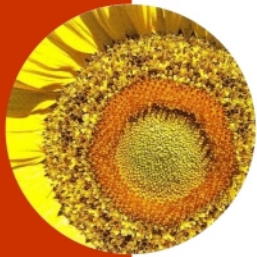
Sven Akkermans



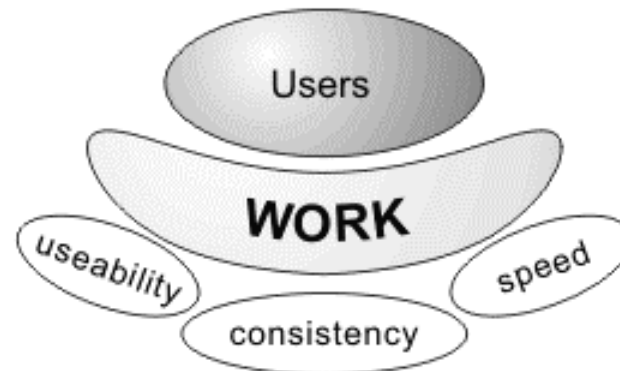
# The Purpose of ViaNova 3000

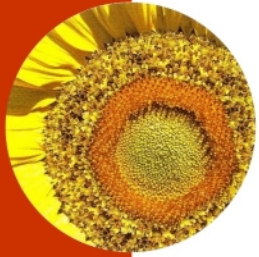
The single purpose is to migrate one environment to another.





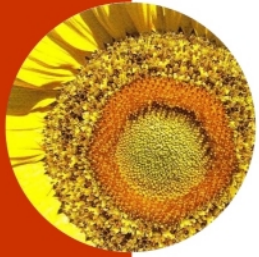
*ViaNova*





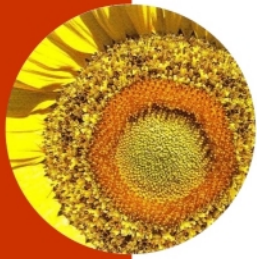
# Key Concepts of ViaNova 3000



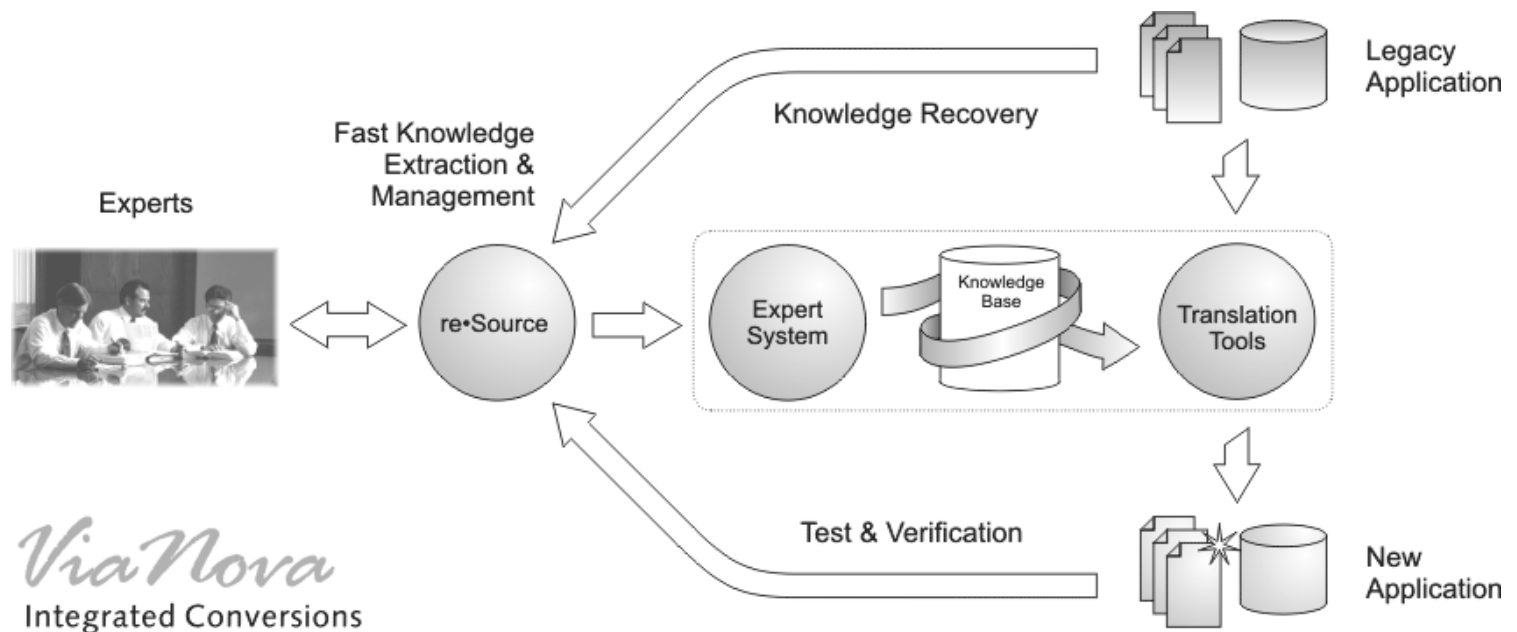


## ViaNova 3000 Unique Technology

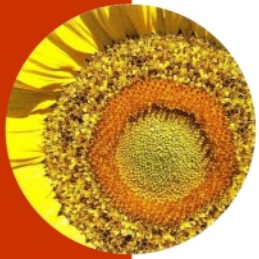
ViaNova technology is the synergy of  
the **right tool at the right place**  
and  
over **15 years of experience.**



# The ViaNova 3000 Process

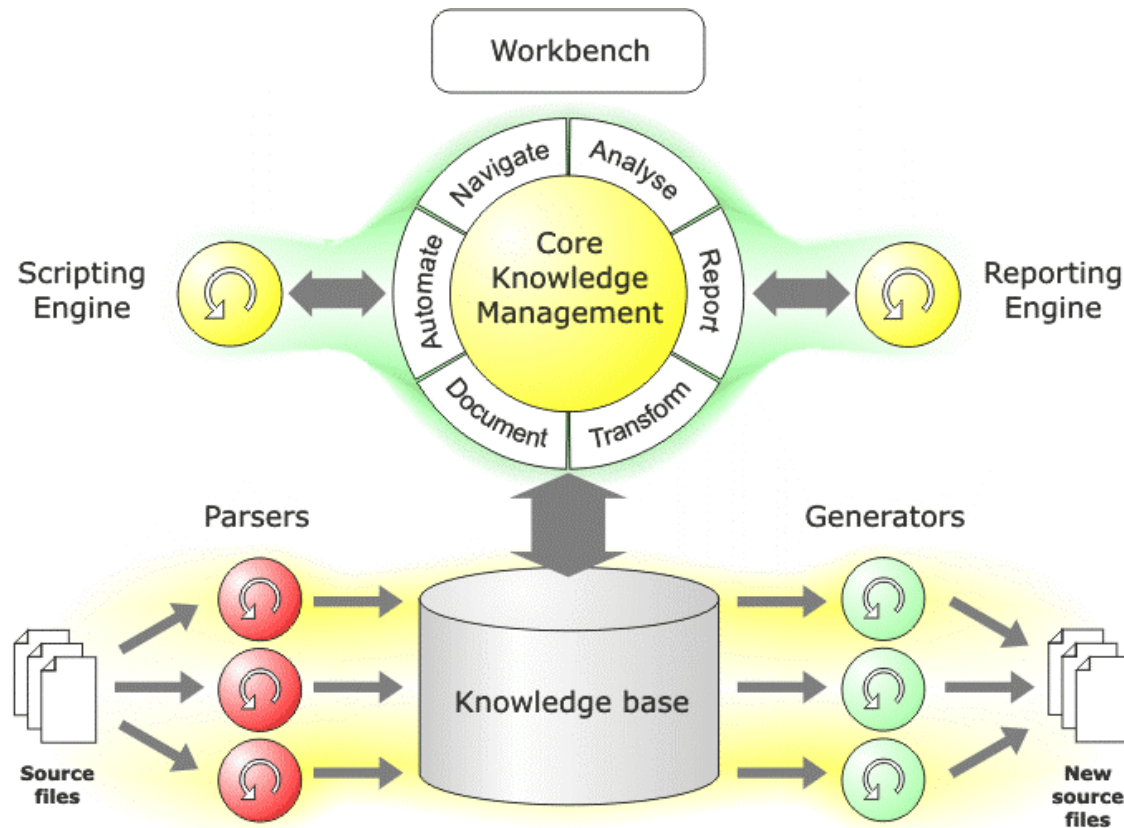


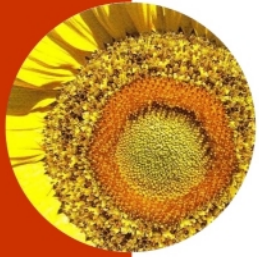




# Application Overview

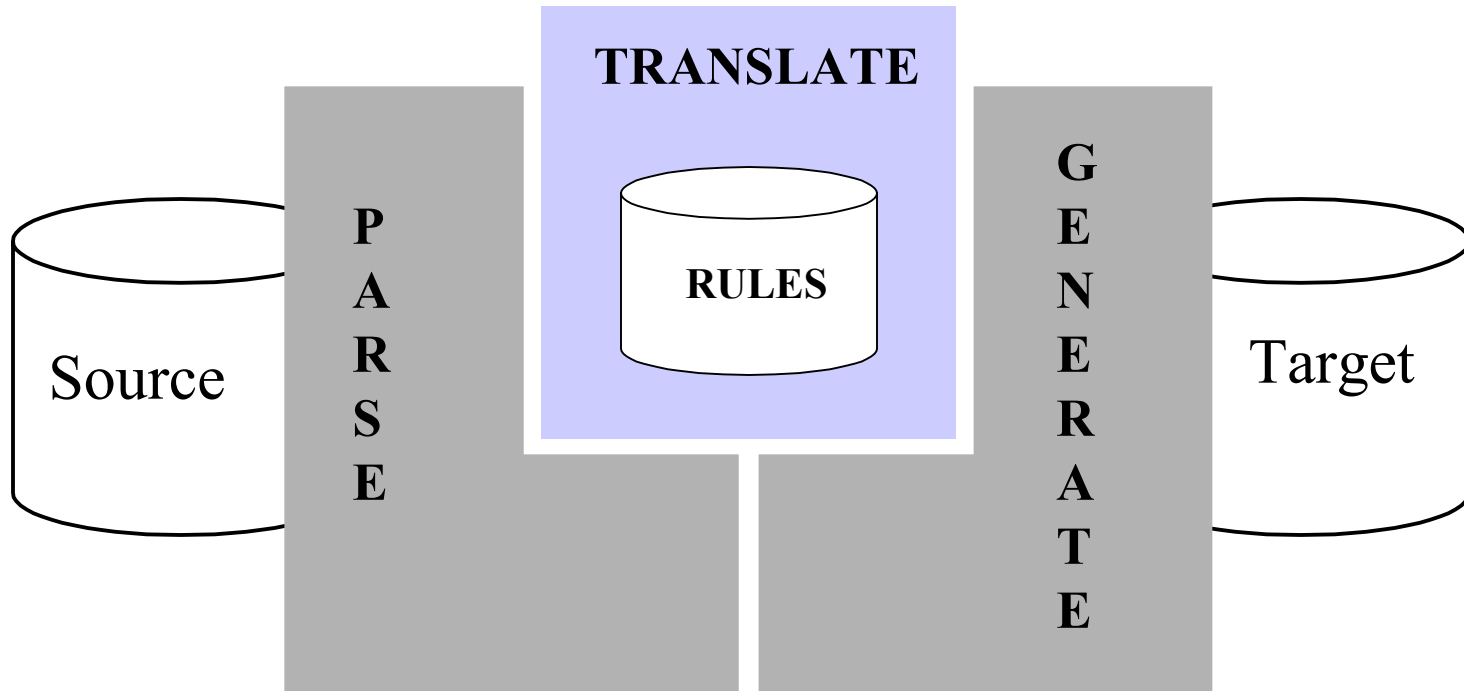
## Takes care of risks

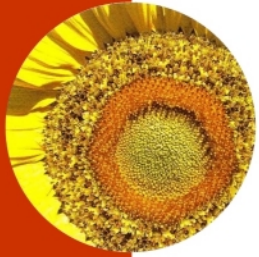




# Cross-compilers

## Speedy precision



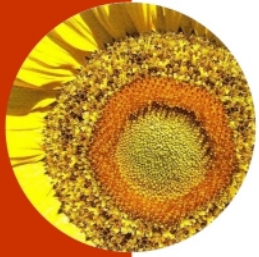


## **Emulation**

# **The software Army Bridge**

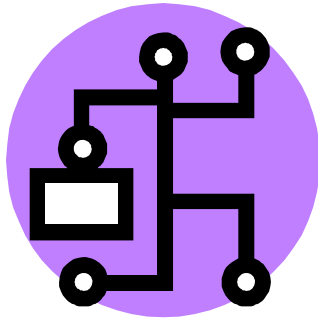
Emulation prevents an immediate  
re-engineering or rewriting phase

Permanent emulation eliminates your  
application



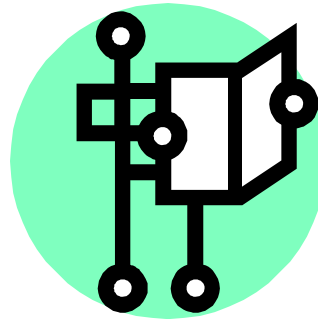
# Communication

## The ViaNova Partnership



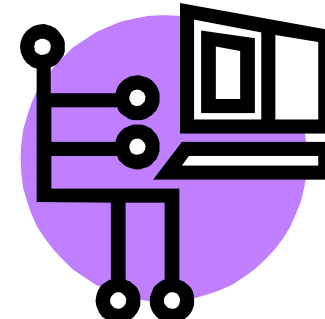
Availability

Ease of use



Cost saving

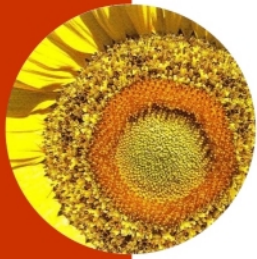
Global  
architecture



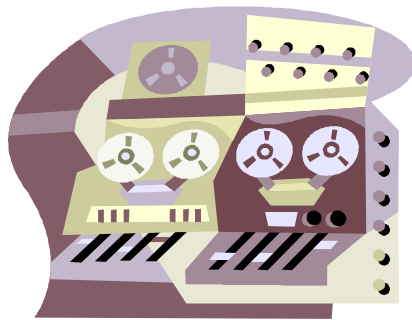
No worries

Development

Training



# Experience Introduces Efficiency



## Mainframe

(Unisys, NEC, MVS)

## Mini computer

(Wang, Siemens)

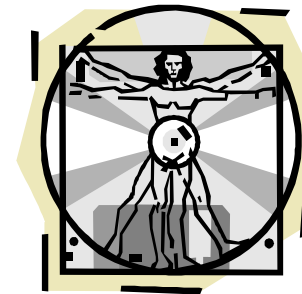


## Products

(re•Source, Wingspan  
OpenMessage)

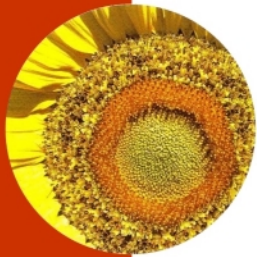
## Projects

(Euro, re-engineering)

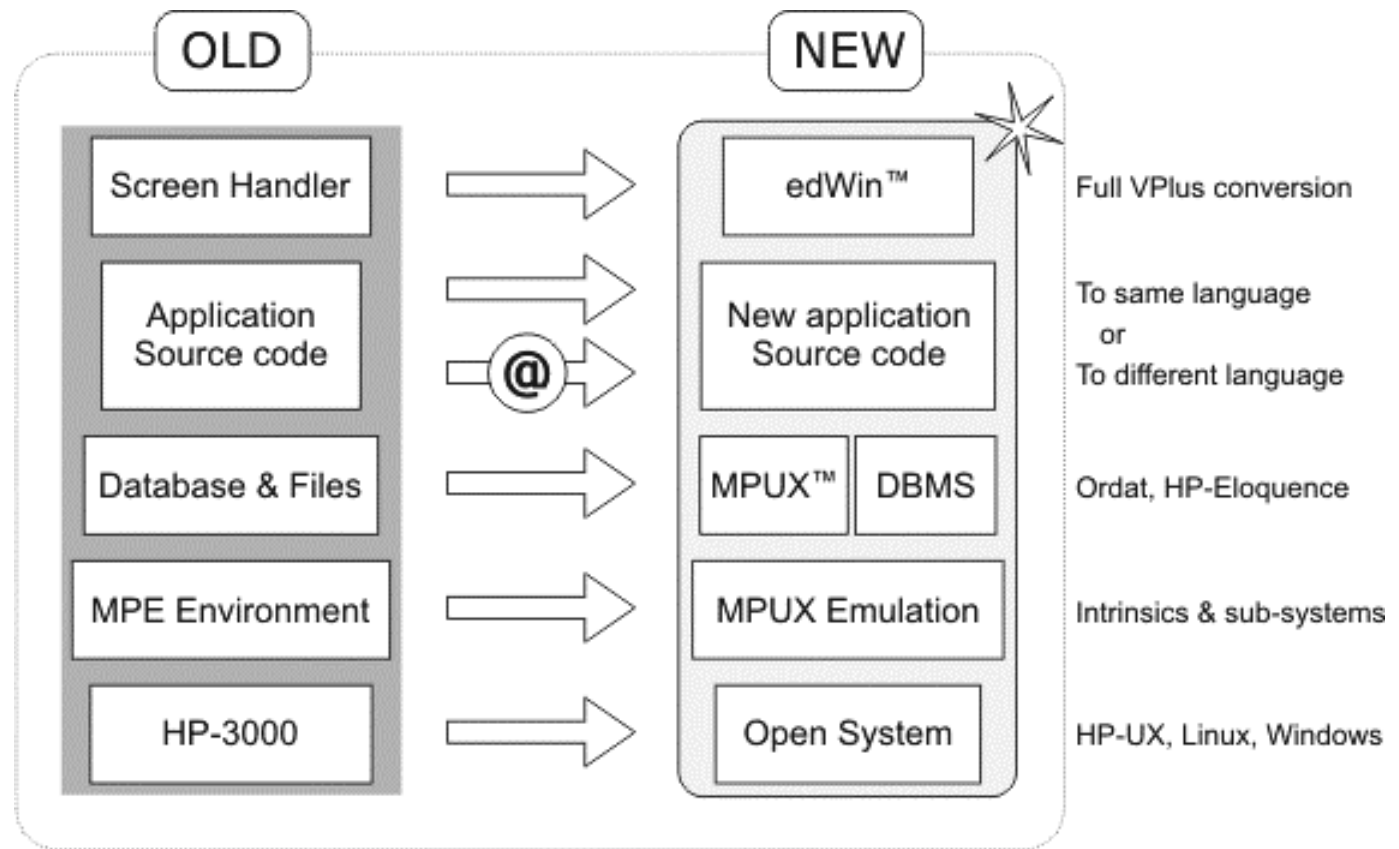


## Research

(slicing, clustering,  
data flow)



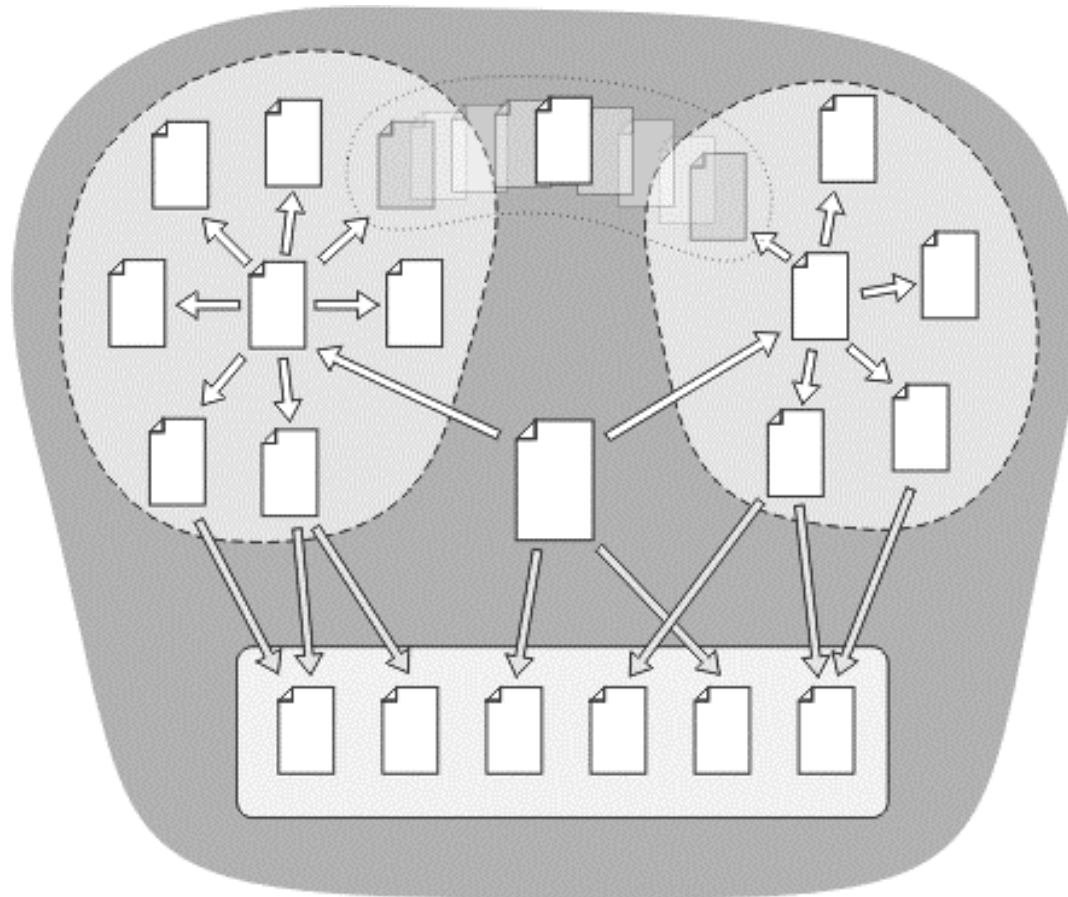
# Hands-on ViaNova 3000

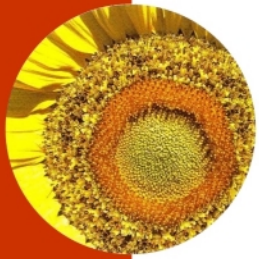


*ViaNova 3000 STANDARD*

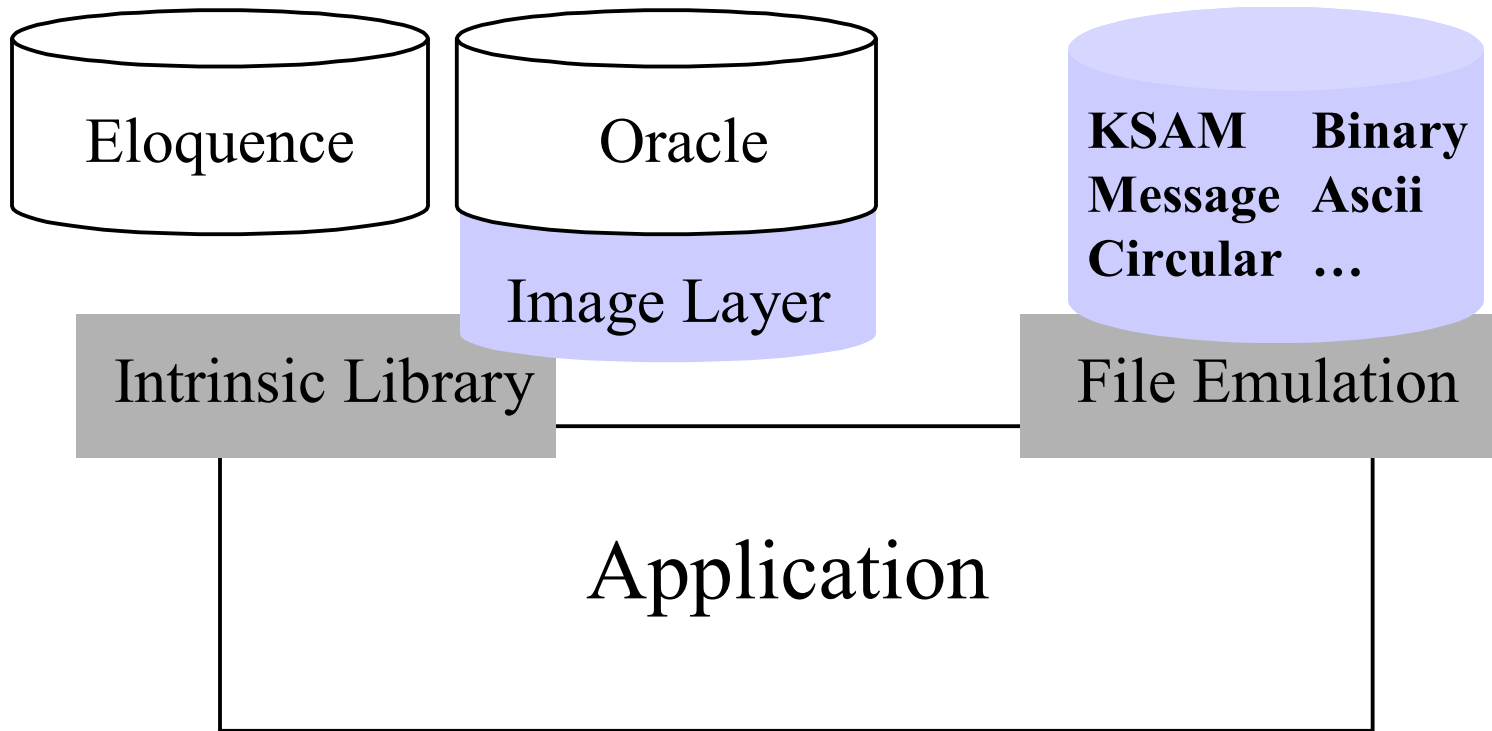


# Clustering and Analysis

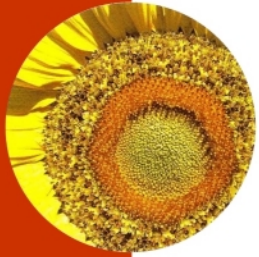




# Data Migration

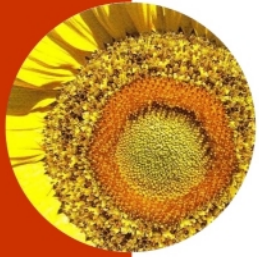




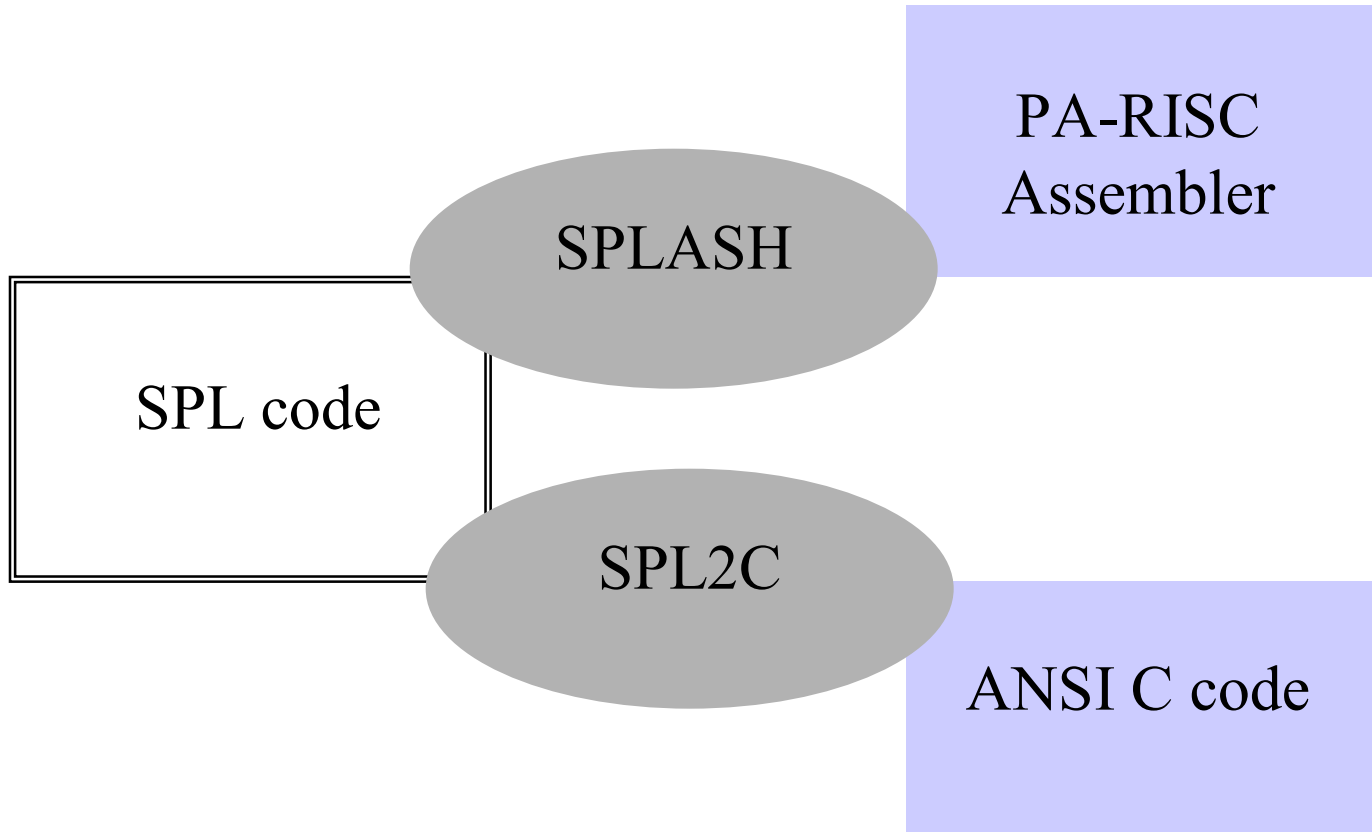


# COBOL Translation

- The MPE COBOL dialect
- COBOL pre-processing
- COBOL programs access to
  - VPLUS calls
  - Image calls

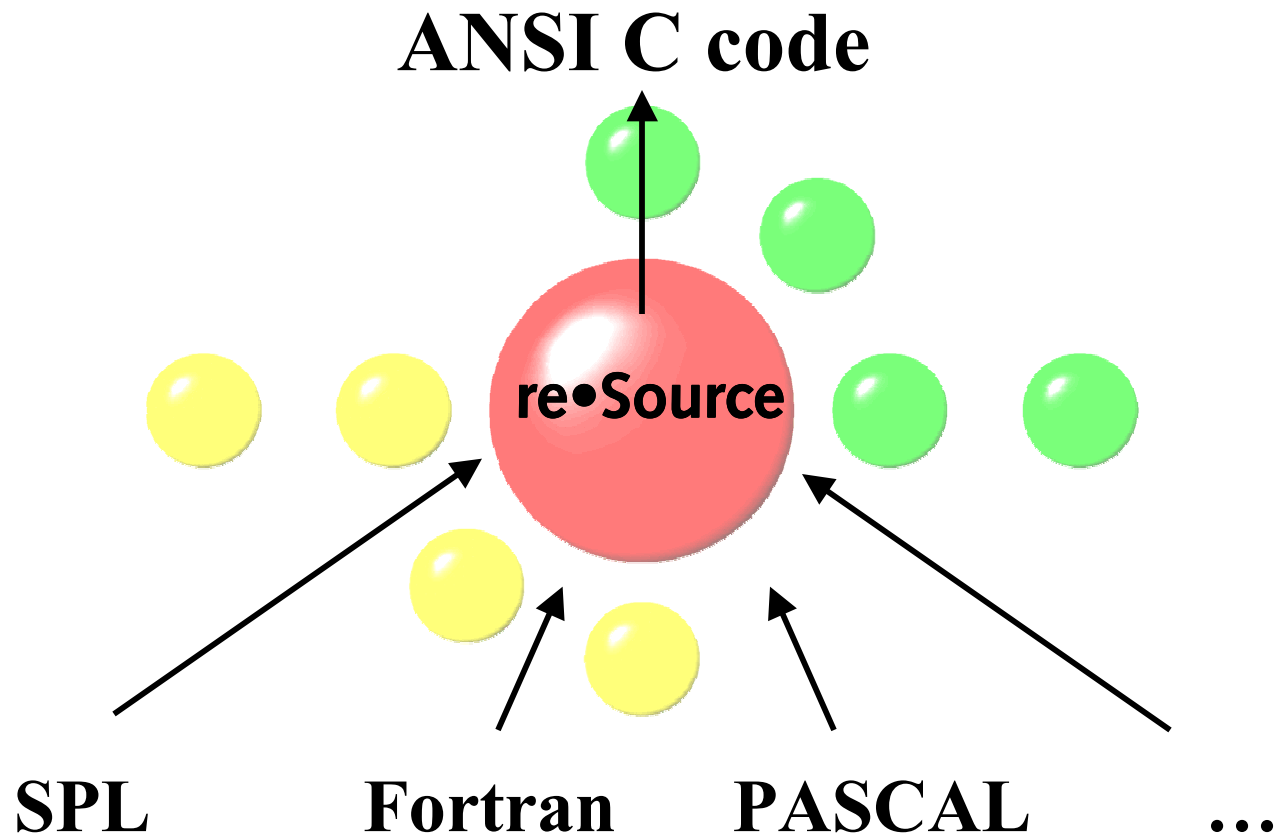


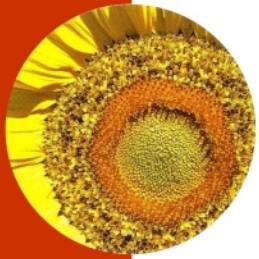
# SPL Translation





# Translating to C





# VPLUS Screen Diversification



VPLUS intrinsics



Wingspan  
client



Web client

edWin

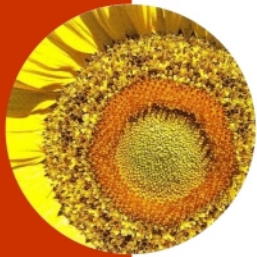
VPLUS intrinsics



edWin



X  
M  
L



# edWin™

Migrates VPlus  
Completely  
&  
Automatically

Reflection 1 - SETTINGS.R1W

File Edit Terminal Connection Options Window Help

OM,TR,100 PROCESS A SALES ORDER

DATE.... DATABASE HEADER Next Screen: NEXTSCRN Action: ACTION

Sales Order: SONUMBER.. Ship-to: SHIPTO.... Name: SHIPNAME.....

Sales Order Date: SODATE.. TAXCODEPROMPT... TCODE  
P.O.: PONUMBER..... Must Date: MUSTDATE  
S.O. Hold Code: SOHLDC Automatic Credit Hold: N  
Payment Terms Code: PAYTRM S.O. Group Code: GRPCOD  
Freight Terms Code: FRITRM Shipped Via: SHIPVIA.....  
Sales Category: SALC Fiscal Period: FISC  
Std Commission Rate: COMMS Agent: AGT1 Pro-rata: PROR1.  
Go To Line Number: LINENO CLOSEDATEPR CLOSED.  
EXCHANGERATEP..... EXRATE...

Defaults for Lines being Added:  
TAXABLEPROMPT..... Y Discount Percentage: STDDIS  
Requested Ship Date: SHIPDATE Shippable Before Req: S  
Scheduled Ship Date: SCHDDATE Line Item Hold Code: LIHLDC  
PROJECTPROMPT..... PRJ.....

TAXSTATUSP TAXCODEP EXLICNOPROMPT.....  
FEDERALP..... F COD1 FEDLICNO.....  
PROVINCIALPR P COD2 PROVLCNO.....

PREV FORM NEXT FORM REFRESH PREV NEXT MAIN/ EXIT

hpterm (laura via REXEC)

OM,TR,100 PROCESS A SALES ORDER

HEADER Next Screen: Action:

Sales Order: Ship-to: Name:

Sales Order Date: Tax Code:  
P.O.: Must Date: 99/99/99  
S.O. Hold Code: Automatic Credit Hold: N  
Payment Terms Code: 0 S.O. Group Code: 0  
Freight Terms Code: Shipped Via:  
Sales Category: Fiscal Period:  
Std Commission Rate: 0.00 Agent: Pro-rata: 100.00  
Go To Line Number: 1 Exchange Rate ( ): 1.0000

Defaults for Lines being Added:  
Taxable: Y Discount Percentage: 0.000  
Requested Ship Date: Shippable Before Req: Y  
Scheduled Ship Date: Line Item Hold Code:  
Project Activity:

Goods & Services: Tax Status Tax Code Exemption License Number  
Provincial: 0

f1 f2 f3 f4 hpterm (laur f5 f6 f7 f8

Ordina Denkart NV

Config www.denkart.com

OM,TR,100 PROCESS A SALES ORDER

HEADER Next Screen: Action:

Sales Order: Ship-to: Name:

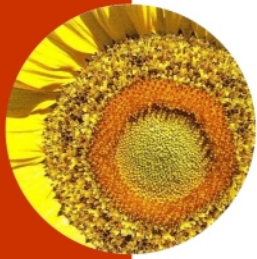
Sales Order Date: Tax Code:  
P.O.: Must Date: 99/99/99  
S.O. Hold Code: Automatic Credit Hold: N  
Payment Terms Code: 0 S.O. Group Code: 0  
Freight Terms Code: Shipped Via:  
Sales Category: Fiscal Period:  
Std Commission Rate: 0.00 Agent: Pro-rata: 100.00  
Go To Line Number: 1 Exchange Rate ( ): 1.0000

Defaults for Lines being Added:  
Taxable: Y Discount Percentage: 0.000  
Requested Ship Date: Shippable Before Req: Y  
Scheduled Ship Date: Line Item Hold Code:  
Project Activity:

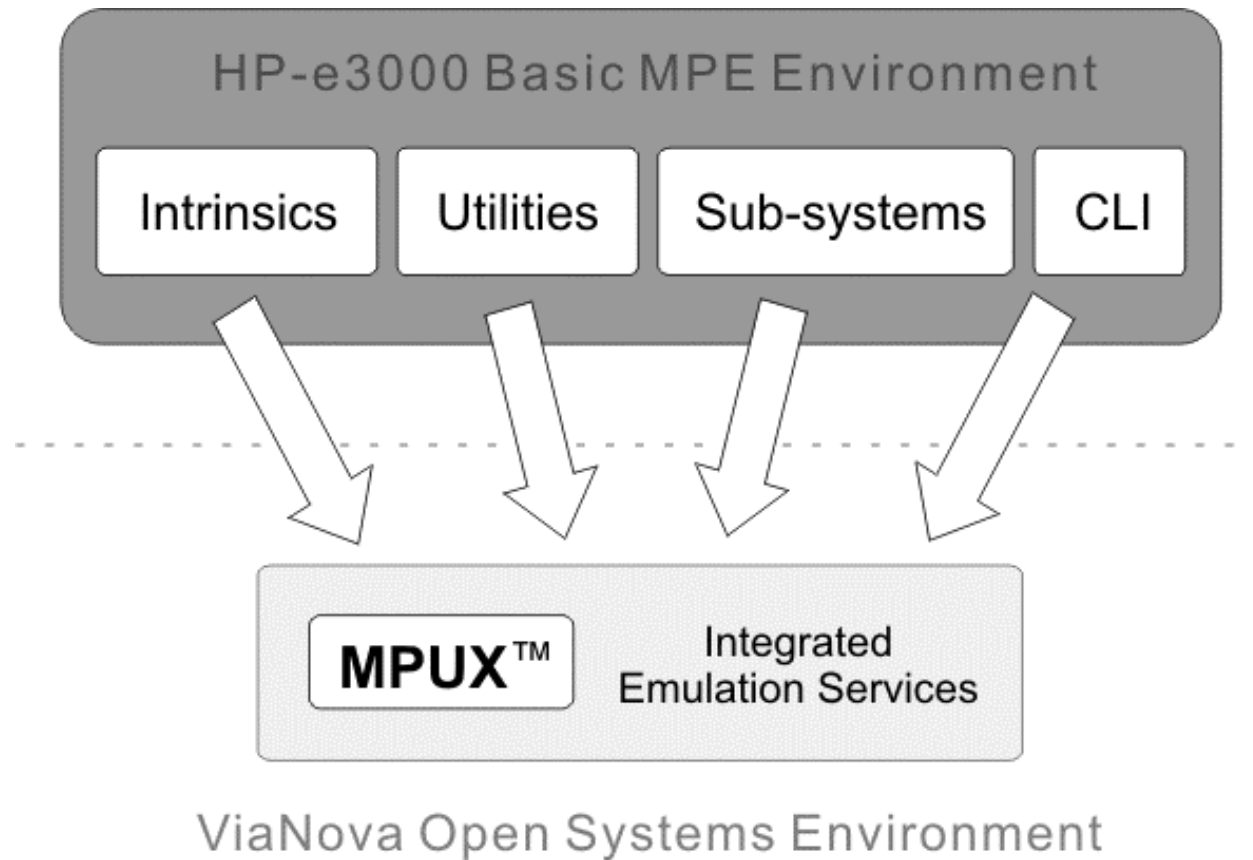
Goods & Services: Tax Status Tax Code Exemption License Number  
Provincial: 0

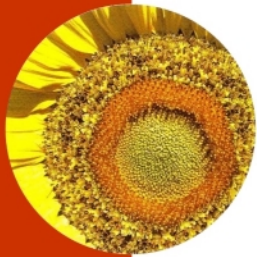
F1 F2 F3 F4 F5 F6 F7 F8

ORDINA DENKART



# MPE Environment





# MPUX™ in action

```
C:\winnt\System32\telnet.exe

#S1      EXEC      0      462 462      03/21  2:41P MGR.SYS
#S2      EXEC      1675? 462 462      03/21  2:41P MGR.LAB

2 JOBS:
0  INTRO
0  WAIT
2  EXEC; INCL 2 SESSIONS
JOBFENCE= 4; JLIMIT= 999; SLIMIT= 128

PUB.LAB:ll
ACCOUNT= LAB          GROUP= PUB

FILENAME CODE -----LOGICAL RECORD----- --SPACE--
          SIZE TYP      EOF      LIMIT R/B  SECTORS #X MX
EXECME1   256B FA        26        26  1    32 * *
EXECME2    80B FA         3         3  3    32 * *
SORIME     80B FA         6         6  3    32 * *
UDC        256B FA        12        12  1    32 * *
PUB.LAB:showcatalog
UDC
US          USER
LL          USER
LS          USER
DIR         USER
PUB.LAB:print udc
vs
showjob
*****
dir
listf,2
*****
ls
listf
*****
ll
listf,2
*****
PUB.LAB:ls
FILENAME
EXECME1
EXECME2
SORIME
UDC
PUB.LAB:
```

← Genuine HP-e3000

MPUX on HP-UX →

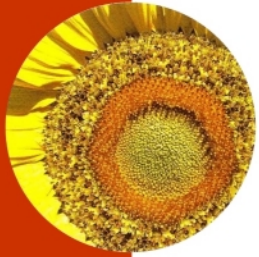
```
Ctrl-Alt-F1 - VMware Workstation - Ordina Denkart NV - Linux.vmx
File Power Settings Devices View Help

[isa@pcsa_vmware test1]$ mpuhci
MPUX/CI Release: B.1.0 Copyright Ordina Denkart 2000. All rights reserved

PUB.SYS:listf,2
ACCOUNT= SYS          GROUP= PUB

FILENAME CODE -----LOGICAL RECORD----- --SPACE--
          SIZE TYP      EOF      LIMIT R/B  SECTORS #X MX
ABC        160B VAM         0        1023  1    16 * *
CATALOG    128W FB        2163        2163  1   2176 * *
CATALTXT   80B FA       14033       14033  3   4400 * *
GHI        80B FA       14033       14033  3   4400 * *
ZORRO     128W FB         9        1023  1    16 * *
PUB.SYS:build NEWFILE;rec=-80,,f,ascii
PUB.SYS:listf,2
ACCOUNT= SYS          GROUP= PUB

FILENAME CODE -----LOGICAL RECORD----- --SPACE--
          SIZE TYP      EOF      LIMIT R/B  SECTORS #X MX
ABC        160B VAM         0        1023  1    16 * *
CATALOG    128W FB        2163        2163  1   2176 * *
CATALTXT   80B FA       14033       14033  3   4400 * *
GHI        80B FA       14033       14033  3   4400 * *
```

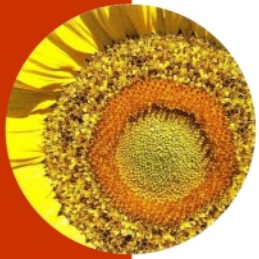


# Results after a ViaNova 3000 Migration

The **entire** environment is transferred  
to a new platform

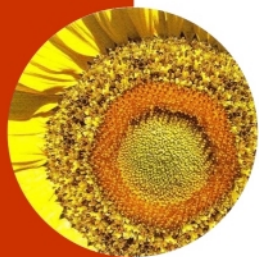
The new environment makes you feel  
**right at home**





# Advantages of a ViaNova 3000 Migration

- The environment is ready for a re-engineering phase steered by business decisions.
- The environment is now **platform- independent.**
- Future development is not bound by any intermediate layer or emulation.



# ViaNova 3000: a 100% solution

Available from



[www.denkart.com](http://www.denkart.com)  
[hp3000.denkart.com](http://hp3000.denkart.com)

