The new face of COBOL™

ACUCORP®

Life After Migration

Migration Solutions for
HP e3000 Applications

Chuck Edgin

Solutions Architect

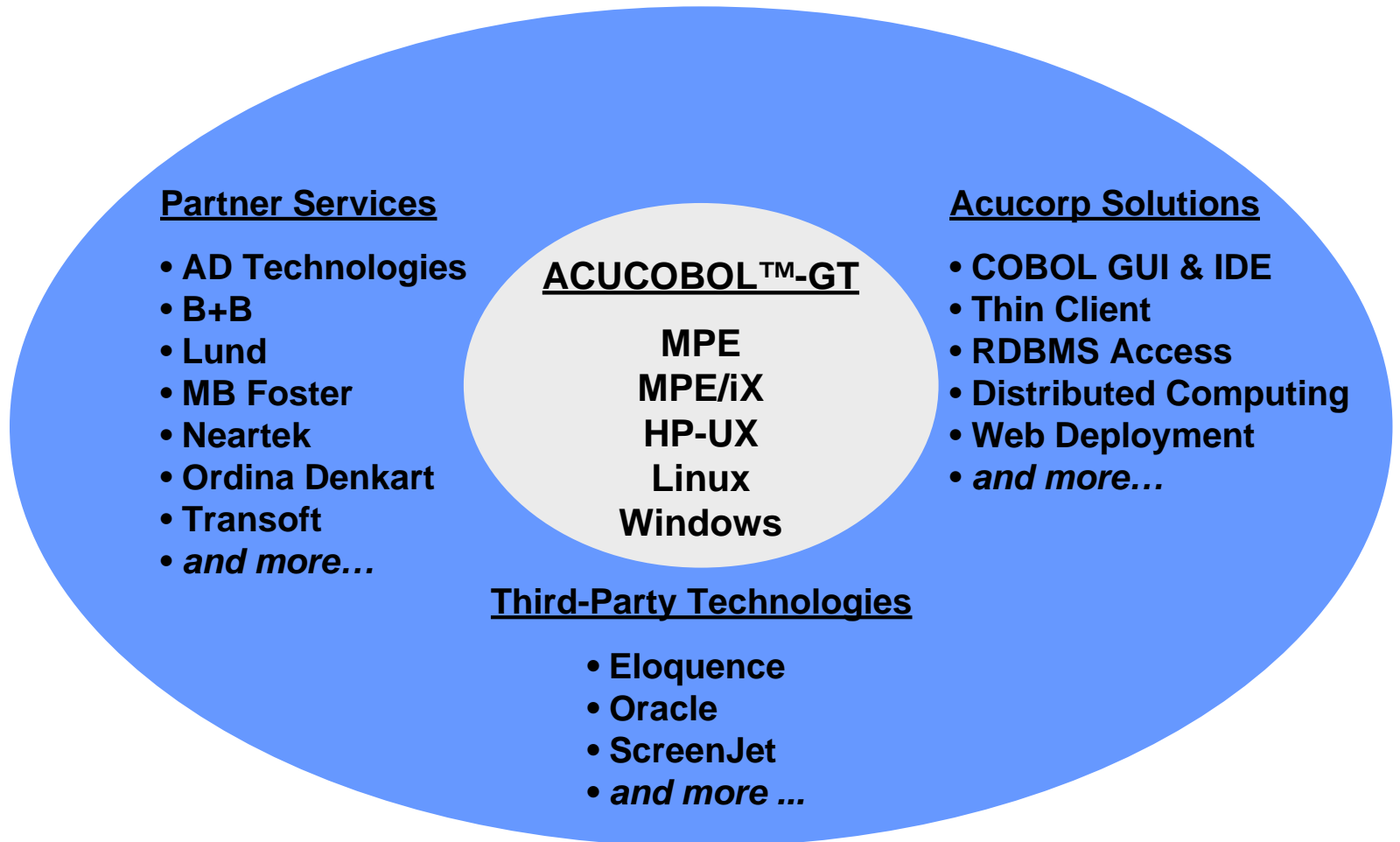Acucorp, Inc.

extend 5
with ACUCOBOL™-GT

Agenda

- **Introduction to Acucorp**

- **Migration solution overview for HP e3000**

- **ACUCOBOL™-GT technology solutions**

- **Life after migration**

- **Live demonstrations**

  - On-the-box conversion – COBOL II to ACUCOBOL-GT

  - Windows-based development with IDE

  - Thin Client and Internet deployment

  - Reading and writing XML data

- **Questions & answers**

- **Summary of benefits**

ACUCORP

Who is Acucorp?

- **Established in 1988, Acucorp provides modern solutions for extending legacy business applications**

- **Company headquarters in San Diego, California, with offices in the UK, France, Germany, the Netherlands and distributors worldwide**

- **4,000 customers worldwide including more than 1,000 ISVs and over 1 million end-users**

- **Successful HP e3000 migration customers include CDM Software Services, Demand Wave, Huhtamaki Deutschland, McWilliams Winery, Steel Warehouse, Telekurs, Töpfer GmbH & Co, Sharikat Khoo and Ascoli Transporti**

- ***extend*™5 technologies allow companies to leverage their investments in legacy COBOL applications without the risk, cost and time commonly associated with rewriting or replacement strategies**

Migration Solution Overview for HP e3000

Partner Services

- AD Technologies
- B+B
- Lund
- MB Foster
- Neartek
- Ordina Denkart
- Transoft
- *and more…*

ACUCOBOL™-GT

MPE
MPE/iX
HP-UX
Linux
Windows

Acucorp Solutions

- COBOL GUI & IDE
- Thin Client
- RDBMS Access
- Distributed Computing
- Web Deployment
- *and more…*

Third-Party Technologies

- Eloquence
- Oracle
- ScreenJet
- *and more ...*

ACUCORP

Migration Solution Overview for HP e3000

What can you do today?

Partner Services

- AD Technologies
- B+B
- Lund
- MB Foster
- Neartek
- Ordina Denkart
- Transoft
- and more...

ACUCOBOL™-GT

- MPE
- MPE/ix
- HP-UX
- Linux
- Windows

Acucorp Solutions

- COBOL GUI & IDE
- Thin Client
- RDBMS Access
- Distributed Computing
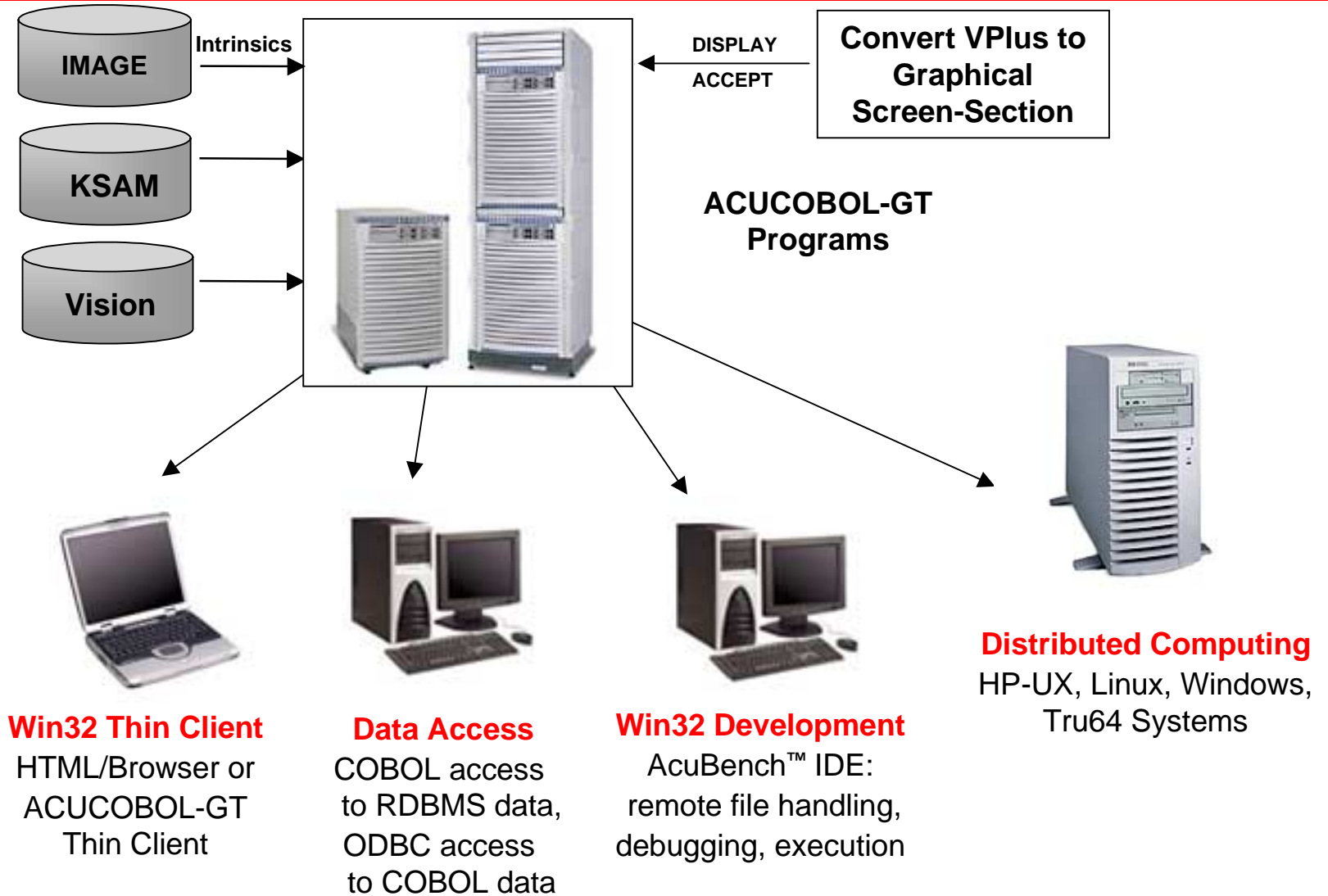- Web Deployment
- and more...

Third-Party Technologies

- Eloquence
- Oracle
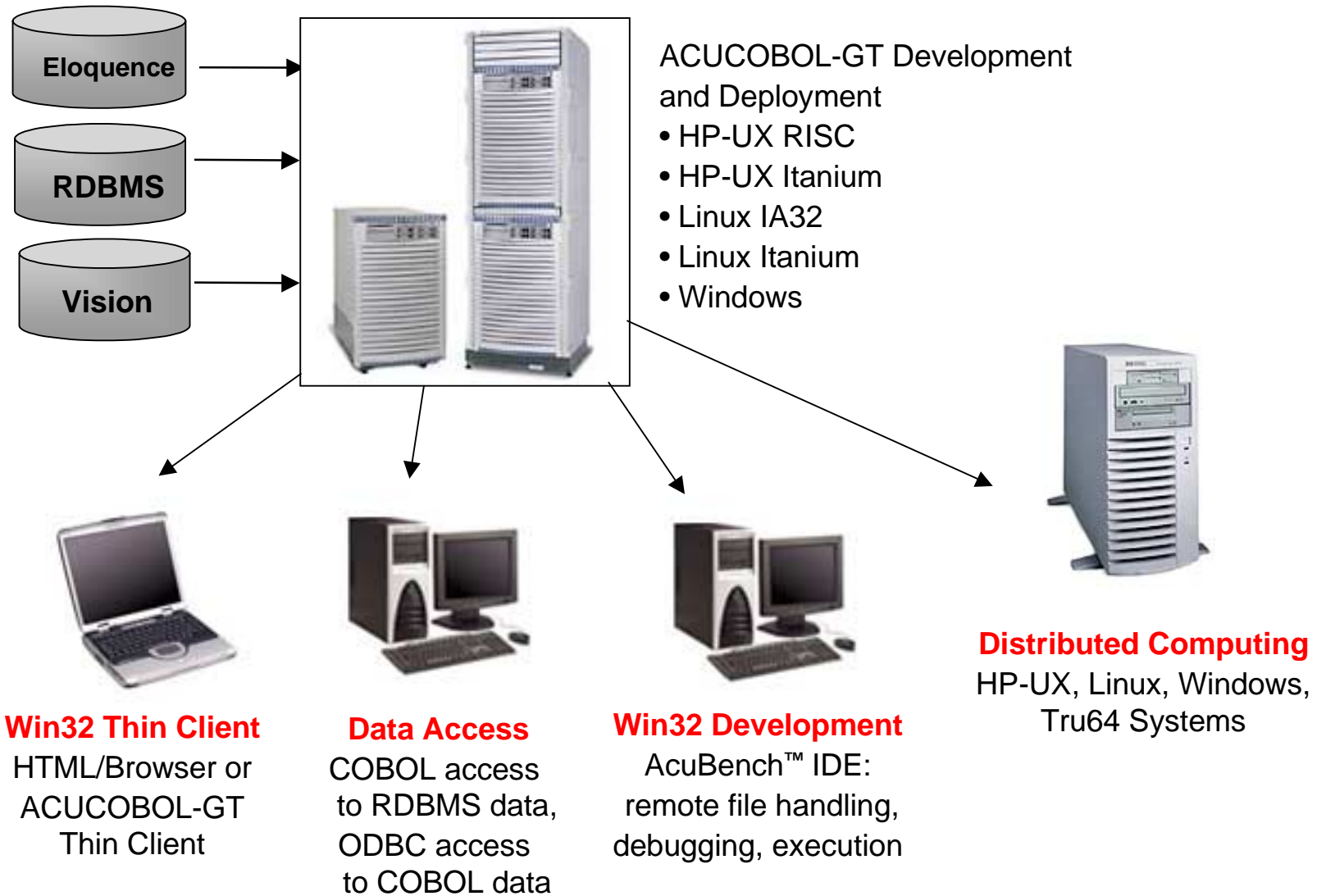- ScreenJet
- and more...

ACUCORP

ACUCOBOL™-GT

- **ACUCOBOL-GT is a portable, ANSI standard, COBOL development system with compiler, runtime, file system, debugger and support utilities**

- **Fast compilation and execution - scalable high performance**

- **HP COBOL II syntax support**

- **Fully portable object code**

  - Runs on over 600 platforms including MPE, MPE/iX, HP/UX (RISC, Itanium), Tru64, OpenVMS, Linux (IA32, Itanium) and Windows without recompilation

- **Full-featured debugging tools**

- **Native COBOL GUI syntax**

ACU**CORP**

extend™5 with ACUCOBOL™-GT for HP e3000 Servers

IMAGE

KSAM

Vision

Intrinsics →

→

→

DISPLAY

ACCEPT

Convert VPlus to Graphical Screen-Section

ACUCOBOL-GT Programs

Win32 Thin Client
HTML/Browser or
ACUCOBOL-GT
Thin Client

Data Access
COBOL access
to RDBMS data,
ODBC access
to COBOL data

Win32 Development
AcuBench™ IDE:
remote file handling,
debugging, execution

Distributed Computing
HP-UX, Linux, Windows,
Tru64 Systems

ACUCORP'

extend™5 with ACUCOBOL™-GT for HP-UX/Linux/Windows Servers

Eloquence

RDBMS

Vision

ACUCOBOL-GT Development
and Deployment
- HP-UX RISC
- HP-UX Itanium
- Linux IA32
- Linux Itanium
- Windows

Win32 Thin Client
HTML/Browser or
ACUCOBOL-GT
Thin Client

Data Access
COBOL access
to RDBMS data,
ODBC access
to COBOL data

Win32 Development
AcuBench™ IDE:
remote file handling,
debugging, execution

Distributed Computing
HP-UX, Linux, Windows,
Tru64 Systems

ACUCORP®

Demonstration

- "On-the-box" conversion to ACUCOBOL™-GT

extend™5 with ACUCOBOL™-GT for HP e3000 Servers

IMAGE

KSAM

Vision

Intrinsics

DISPLAY

ACCEPT

Convert VPlus to
Graphical
Screen-Section

ACUCOBOL-GT
Programs

Win32 Thin Client
HTML/Browser or
ACUCOBOL-GT
Thin Client

Data Access
COBOL access
to RDBMS data
ODBC access
to COBOL data

Win32 Development
AcuBench™ IDE:
remote file handling,
debugging, execution

Distributed Computing
HP-UX, Linux, Windows,
Tru64 Systems

ACUCORP®
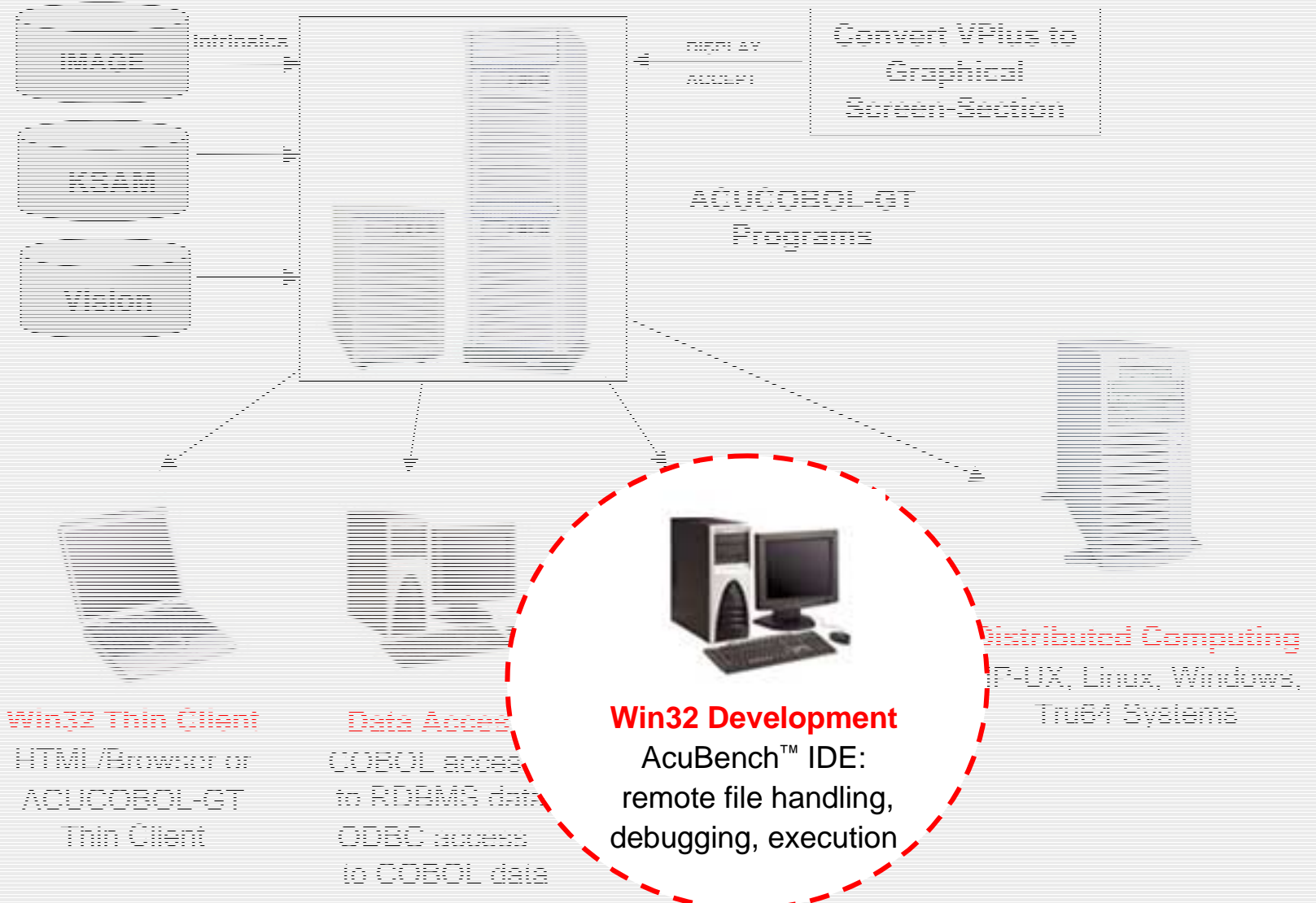
AcuBench™ IDE

- **Fully integrated Windows rapid application development tool designed specifically for COBOL programmers**
- **Designed to maximize programmer productivity**
- **Includes:**
    - COBOL-intelligent Editor
    - Screen Designer
    - Project Manager
- **Manages individual programs and entire projects**
- **Support for HP-UX, Linux, Windows, Tru64, MPE server remote file handling, execution, and debugging from Windows**

ACUCORP'

AcuBench™ IDE

Develop, debug and test in a single environment

- **Project Manager** improves organization and efficiency

- **Screen Designer** creates GUI screens at touch of a button – and outputs COBOL code

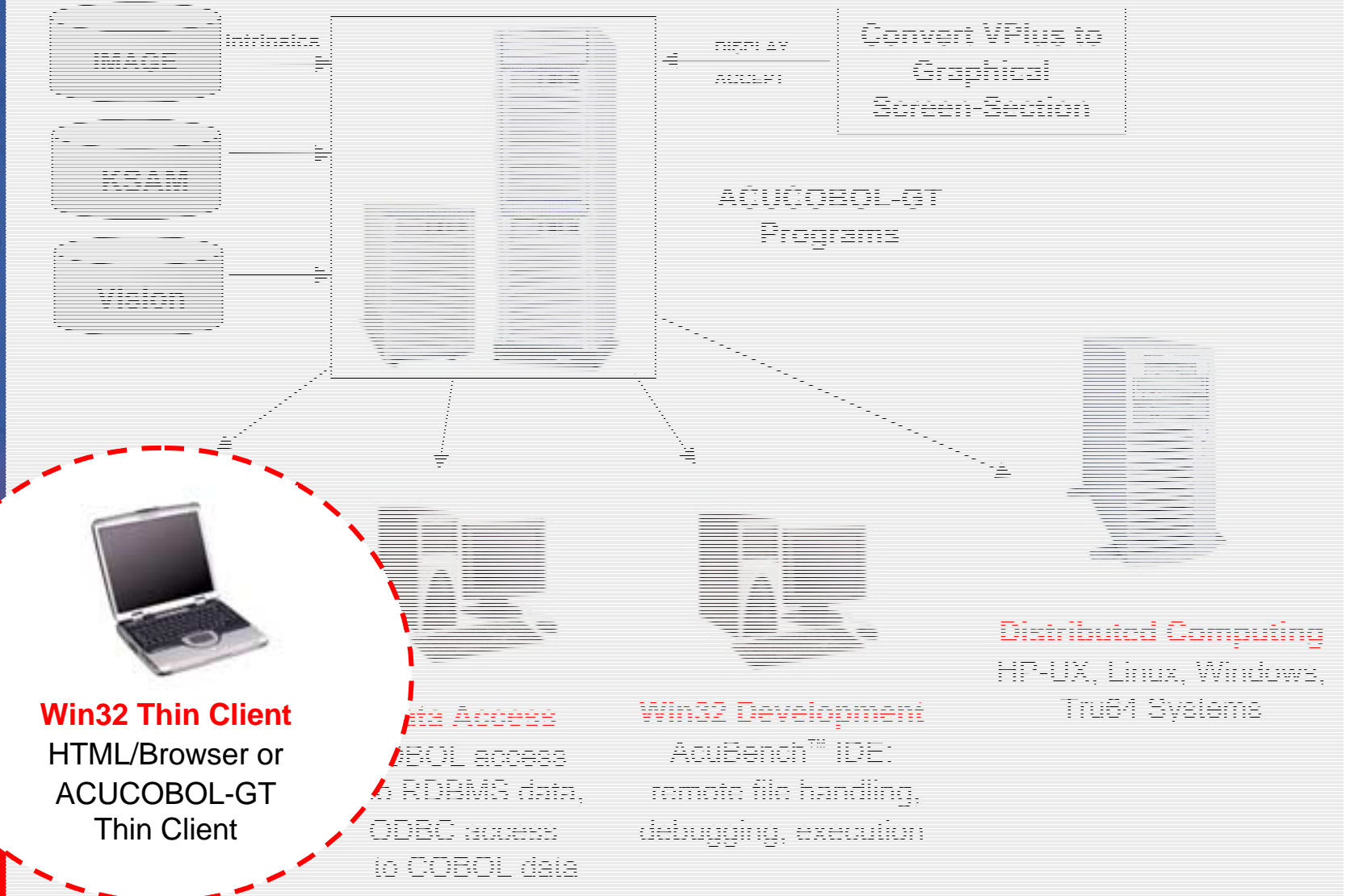- **Code Editor** generates and manages source code
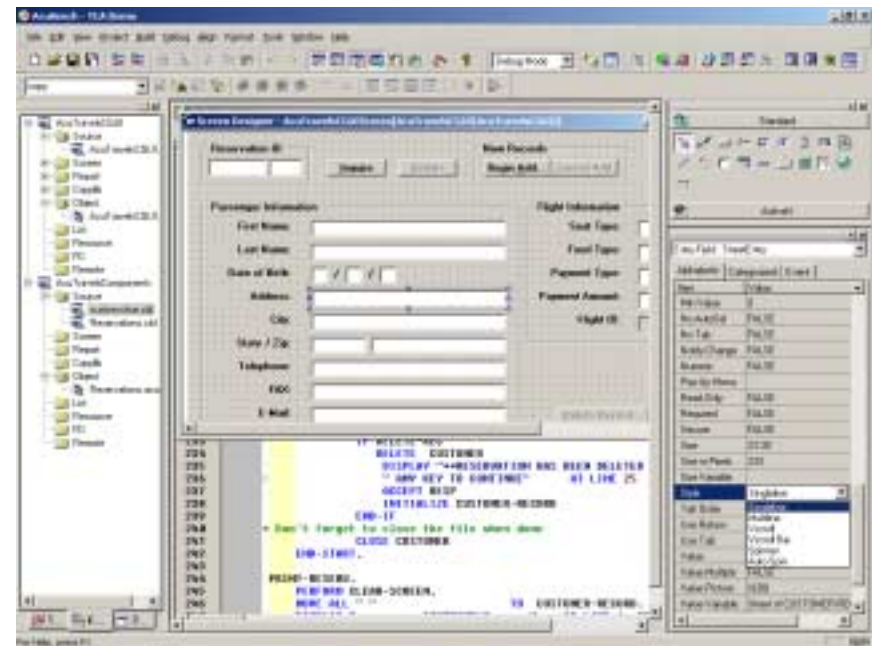
Demonstration

- "On-the-box" conversion to ACUCOBOL™-GT
- **Windows-based development using AcuBench™**

extend™5 with ACUCOBOL™-GT for HP e3000 Servers

IMAGE

KSAM

Vision

Intrinsics

DISPLAY

ACCEPT

Convert VPlus to Graphical Screen-Section

ACUCOBOL-GT Programs

Win32 Thin Client
HTML/Browser or
ACUCOBOL-GT
Thin Client

Data Access
COBOL access
to RDBMS data,
ODBC access
to COBOL data

Win32 Development
AcuBench™ IDE:
remote file handling,
debugging, execution

Distributed Computing
HP-UX, Linux, Windows,
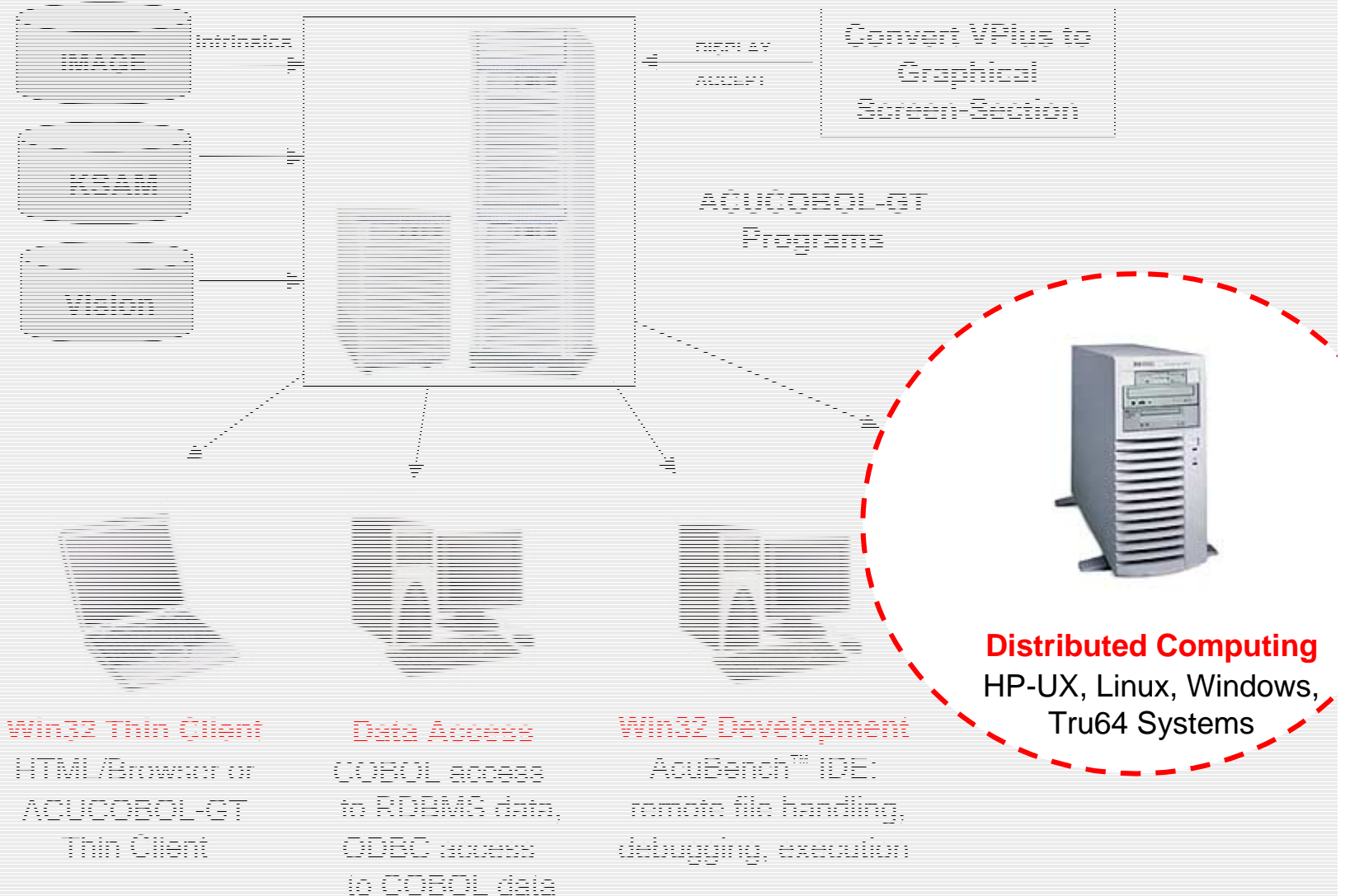Tru64 Systems

Thin Client Technology

- **Host GUI ACUCOBOL™-GT applications on HP-UX, Linux, Windows, Tru64 and MPE servers**
- **GUI displayed on Windows client**
- **Application distribution not required - everything resides on server**
- **Maximize performance and security while minimizing distributed software maintenance challenges**
- **Everything is in COBOL**
- **Maximum flexibility**

Demonstration

- "On-the-box" conversion to ACUCOBOL™-GT
- Windows-based development using AcuBench™
- **Windows-based deployment using Thin Client**

ACU**CORP**

extend™5 with ACUCOBOL™-GT for HP e3000 Servers

IMAGE

Intrinsics

KSAM

Vision

DISPLAY

ACCEPT

Convert VPlus to Graphical Screen-Section

ACUCOBOL-GT Programs

Distributed Computing
HP-UX, Linux, Windows, Tru64 Systems

Win32 Thin Client
HTML /Browser or ACUCOBOL-GT Thin Client

Data Access
COBOL access to RDBMS data, ODBC access to COBOL data

Win32 Development
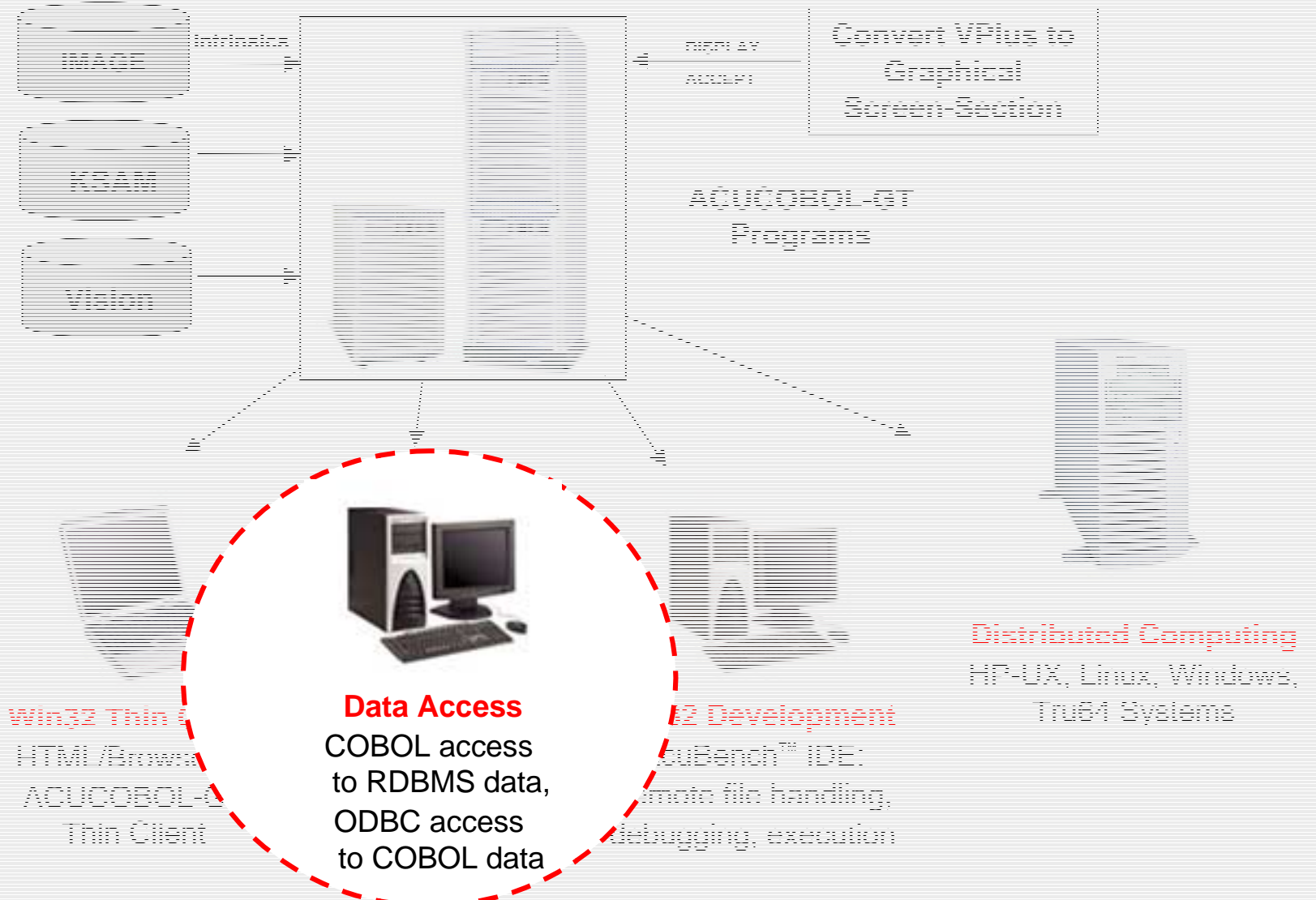AcuBench™ IDE: remote file handling, debugging, execution

ACUCORP

Distributed Computing

- **Strategically distribute COBOL applications and data between multiple servers to maximize performance, access and security**

- **Deploy and distribute applications on more than 600 supported platforms, including:**
    - HP-UX (RISC, Itanium)
    - Linux (IA32, Itanium)
    - Windows 9x/NT/2000/XP
    - Tru64 UNIX, Open VMS

- **Write once, run anywhere**

- **Leverage client/server architecture to improve customer service and streamline B2B commerce over LAN, WAN, or Internet**

ACUCORP

extend™5 with ACUCOBOL™-GT for HP e3000 Servers

IMAGE

Intrinsics

KSAM

Vision

DISPLAY

ACCEPT

Convert VPlus to Graphical Screen-Section

ACUCOBOL-GT Programs

Data Access
COBOL access to RDBMS data, ODBC access to COBOL data

Win32 Thin

HTML/Browser

ACUCOBOL-

Thin Client

Development

AcuBench™ IDE:

emote file handling,

debugging, execution

Distributed Computing

HP-UX, Linux, Windows, Tru64 Systems

Data Access

- **Acucorp ISAM file system - Vision**

- **Access to Eloquence**

- **Add seamless access to RDBMS from COBOL**

  - Dynamically generates SQL queries

  - No need to learn SQL, rewrite or retrain staff

- **Provide embedded SQL support for COBOL application access to RDBMS**

- **Access to Oracle, DB2, MS SQL Server, Informix, Sybase and ODBC-compliant databases**

ACUCORP

Internet Enablement

Deploy COBOL applications over the Internet

- **Running inside a browser**

- **HTML / CGI**

- **Thin Client**

Demonstration

- "On-the-box" conversion to ACUCOBOL™-GT
- Windows-based development using AcuBench™
- Windows-based deployment using Thin Client
- **Internet deployment using COBOL-CGI**

Interoperability

- **Read and write XML using COBOL file I/O semantics**
- **Componentize COBOL applications and expose in a Service Oriented Architecture (SOA)**
- **Provide true standards-based Web services using COBOL**
- **Interoperate with other languages (Java, Visual Basic, Delphi, ASP, JSP, C/C++)**
- **Plug COBOL applications into the Microsoft .NET Framework**
- **Interoperate with J2EE Application Servers (WebSphere, WebLogic)**

Demonstration

- "On-the-box" conversion to ACUCOBOL™-GT
- Windows-based development using AcuBench™
- Windows-based deployment using Thin Client
- Internet deployment using COBOL-CGI
- **Reading and writing XML data**

ACUCORP'

Questions & Answers

ACUCORP

Summary of Benefits

- ✓ **Flexible, low-risk approach**
  - ✓ **Start migration on HP e3000**
  - ✓ **Move to new environment when ready**
  - ✓ **Step-by-step approach where you retain control**
- ✓ **Cross-platform support**
  - ✓ **Portability to more than 600 platforms**
- ✓ **Consistent development environment –** *before* **and** *after* **migration**
- ✓ **Enhances your "life-after-migration" possibilities**
  - ✓ **Modernize with GUI in a best-of-breed IDE**
  - ✓ **Extend with Thin Client, distributed computing**

<u>Maximize</u> your options at <u>minimal</u> expense and risk

For More Information

Contact your Acucorp representative at
(800) 262-6585 or (858) 689-4500

Or visit
www.acucorp.com/hp