What's New: WebSphere Host Integration Solution and Host Access Client Package

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The difference is WebSphere.

e-business software

Session Objectives

- State of the Industry and Opportunity
- WebSphere Host Integration Solution Products Today
- What's New in the WebSphere Host Integration Solution
- What's New in the Host Access Client Package
- What the Analysts are Saying
- How e-business Adoption Can Help You Sell Host Integration
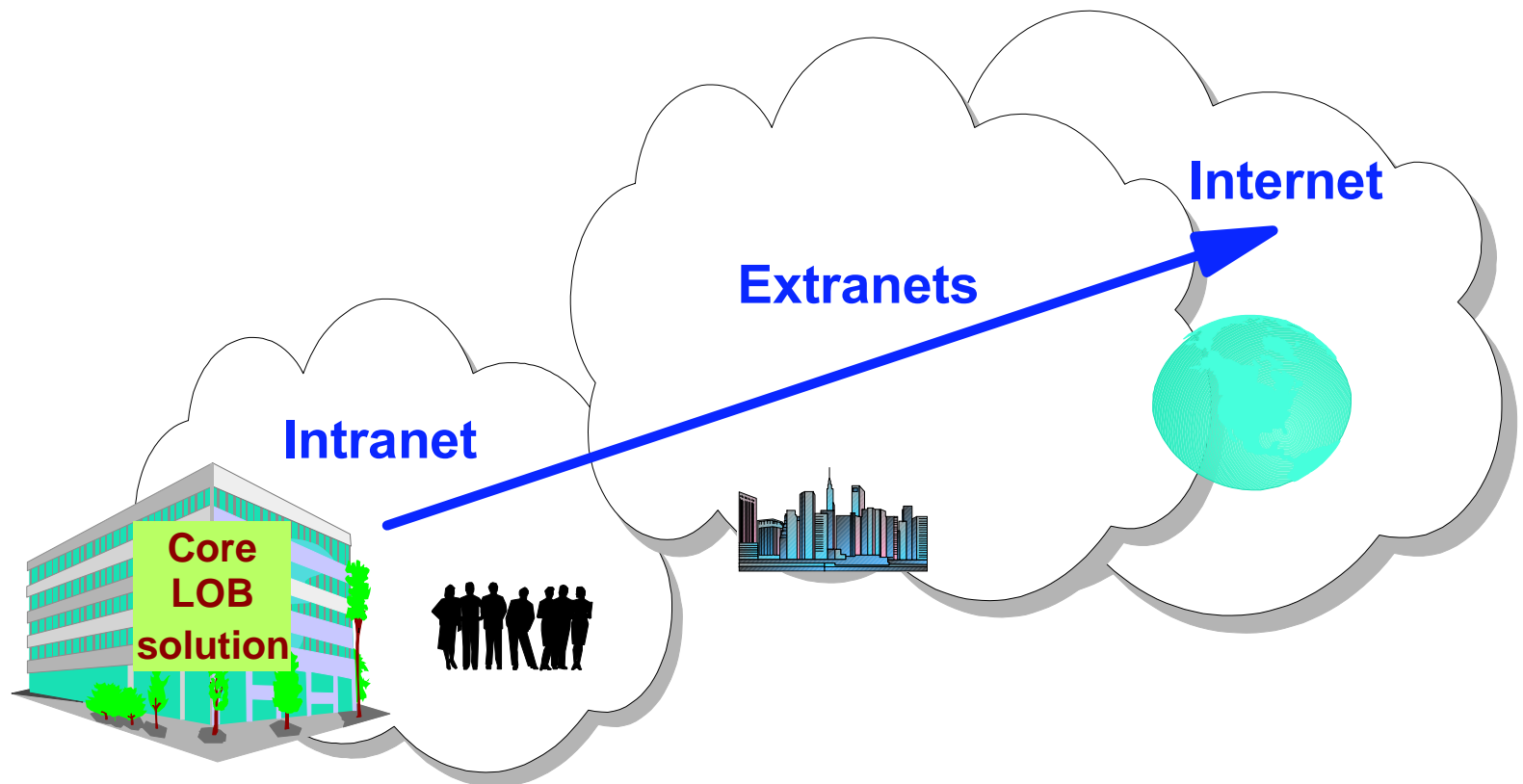- Resources for WebSphere Host Integration

Legacy Integration
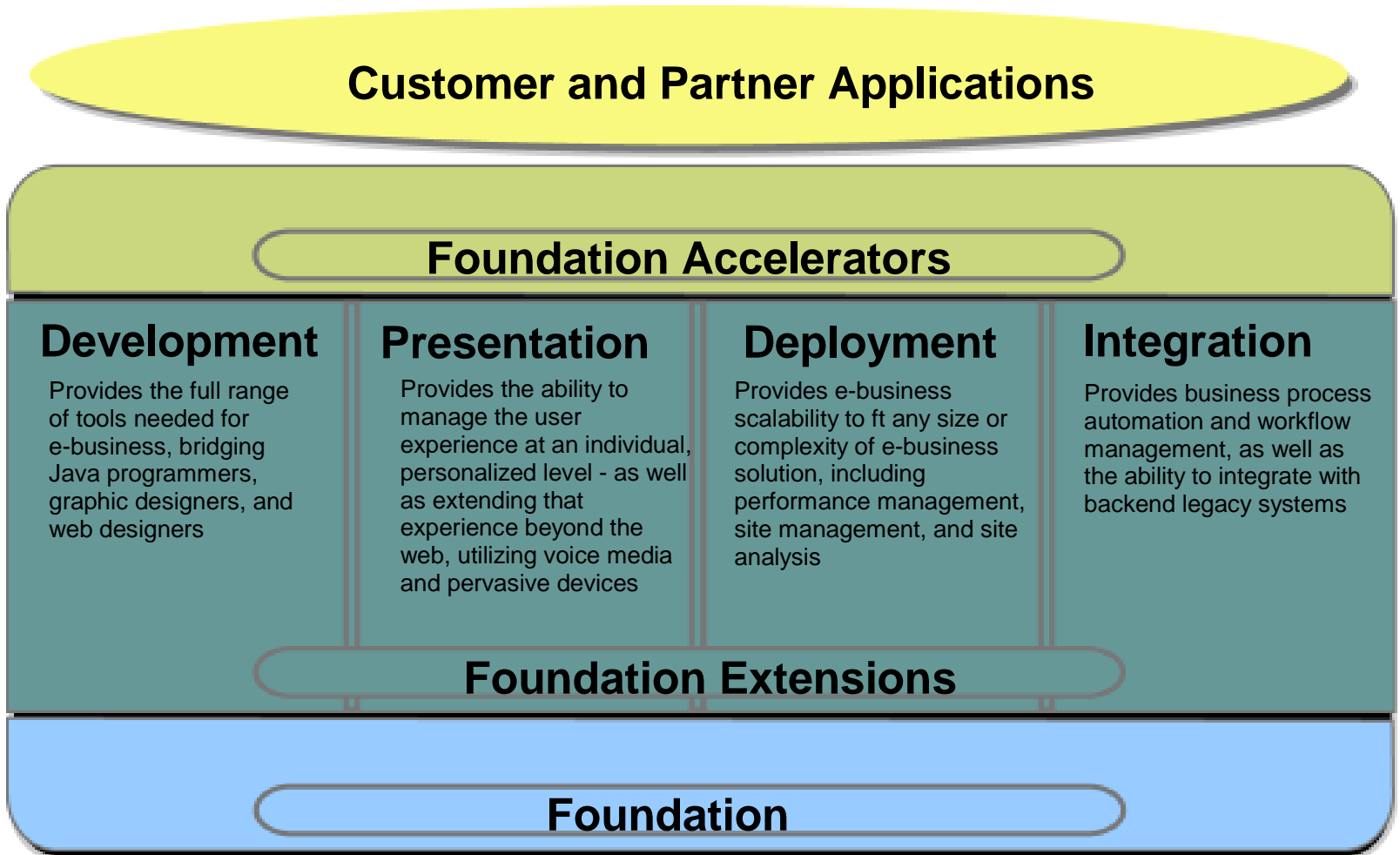
- 70% of applications and data reside on host systems
- A March 2001 eWeek article found 68% of spending is on integration with legacy applications

Internet

Extranets

Intranet

Core LOB solution

WebSphere Positioning

Customer and Partner Applications

Foundation Accelerators

Development

Provides the full range of tools needed for e-business, bridging Java programmers, graphic designers, and web designers

Presentation

Provides the ability to manage the user experience at an individual, personalized level - as well as extending that experience beyond the web, utilizing voice media and pervasive devices

Deployment

Provides e-business scalability to ft any size or complexity of e-business solution, including performance management, site management, and site analysis

Integration

Provides business process automation and workflow management, as well as the ability to integrate with backend legacy systems

Foundation Extensions

Foundation

WebSphere Host Integration Solution Value Propositions

✓ You can start simple and grow your e-business fast, leveraging your legacy applications and data with new e-business solutions to maximize your total return on investment.

✓ Includes an extensive set of industry standard tools that simplify the creation and deployment of new e-business solutions.

✓ Provides the most comprehensive and flexible set of Web to host solutions in the industry for a single price per offering.

WebSphere Host Integration Solution Products Today

✓ **Personal Communications** professional emulation (fat client) that allows you to access the mainframe

✓ **WebSphere Host On-Demand** Browser-based emulator installed on a server and accessed from a Web Browser (thin client)

✓ **Screen Customizer** a simple graphical user interface using drag and drop technology.

✓ **Communication Servers** SNA Gateways, TN3270E and TN5250 servers, security and support, optional carriers for Host Publisher

✓ **WebSphere Host Publisher** for existing application integration from multiple sources to an HTML/XML interface

✓ **Host Access Toolkit** Host Access Beans for Java, Host Access Class Library, tools for host integration into application development projects

✓ **WebSphere Application Server, Advanced Edition** A Powerful deployment environment for Java applications and components.

OS/390
z/OS

ODBC

DEC/UNIX

OS/400

ActiveX
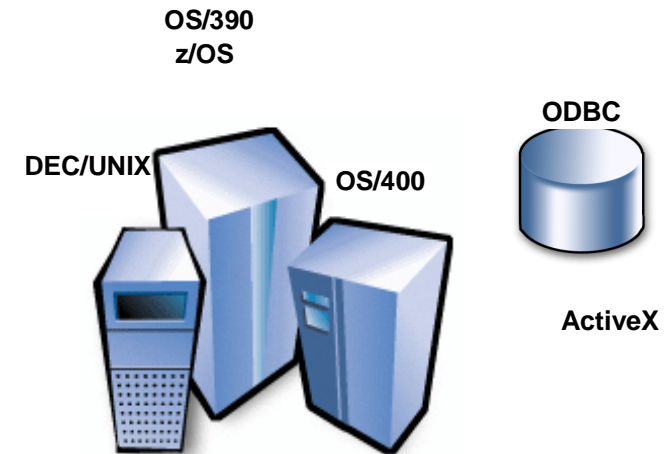
- **Value**
  - Help protect and extend investment
  - Improve user productivity
  - More secure, scalable, multi-platform
  - Fast, low risk and low cost way to integrate host with the Web
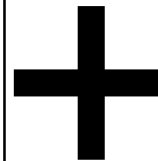 - Leverage the WebSphere Software Platform solutions

WebSphere Host Integration Solution Offering

Host Access Client Package:

Personal Communications

Host On-Demand

Screen Customizer

+

Host Publisher

Communications Server

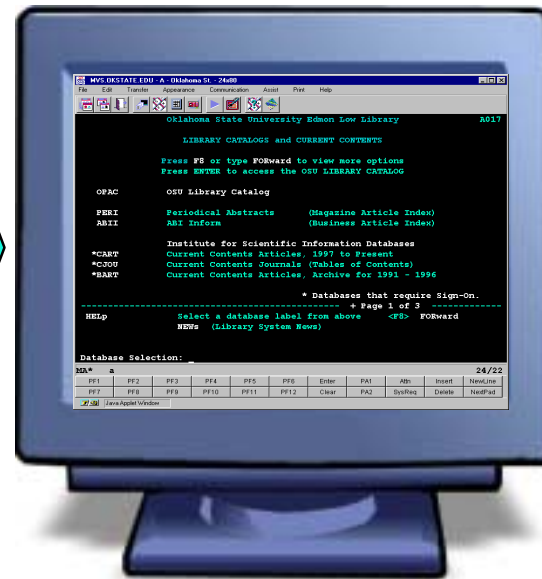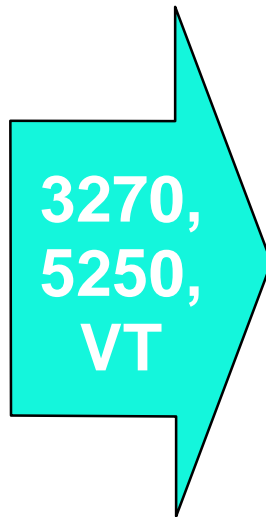**WebSphere Application Server Advanced Edition**

✓ **Provides clear migration path as customers grow their e-business**

✓ **Simplifies creation and deployment of advanced e-business applications**

✓ **Leverages features of WebSphere software platform to enable customers to respond quickly to new market needs**

Personal Communications

S/390

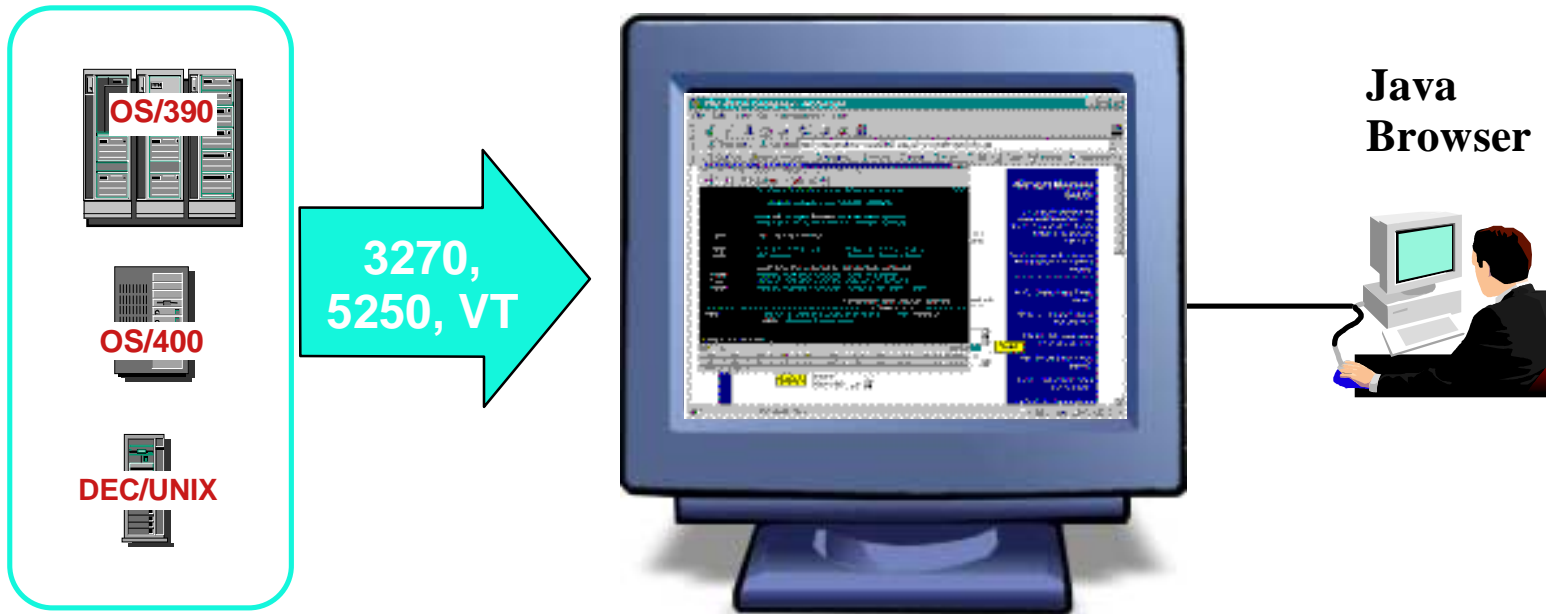**AS/400**

DEC/UNIX

3270,
5250,
VT
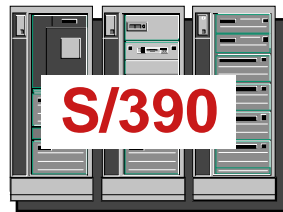
Traditional Terminal Emulation Solution

- Industry leading emulator
- Greatest breadth of terminal emulation function
- Supports Win32, Windows 2000 and OS/2 clients

WebSphere Host On-Demand

OS/390

OS/400

DEC/UNIX

3270, 5250, VT

Java Browser

Web-to-Host Terminal Emulation Solution

- Award-winning, Industry leading browser-based emulator
- Extends host application reach to new users
- Reduces I/T costs through centralized install and administration
- Supports client and server platforms of choice
- Requires no middle-tier runtime server
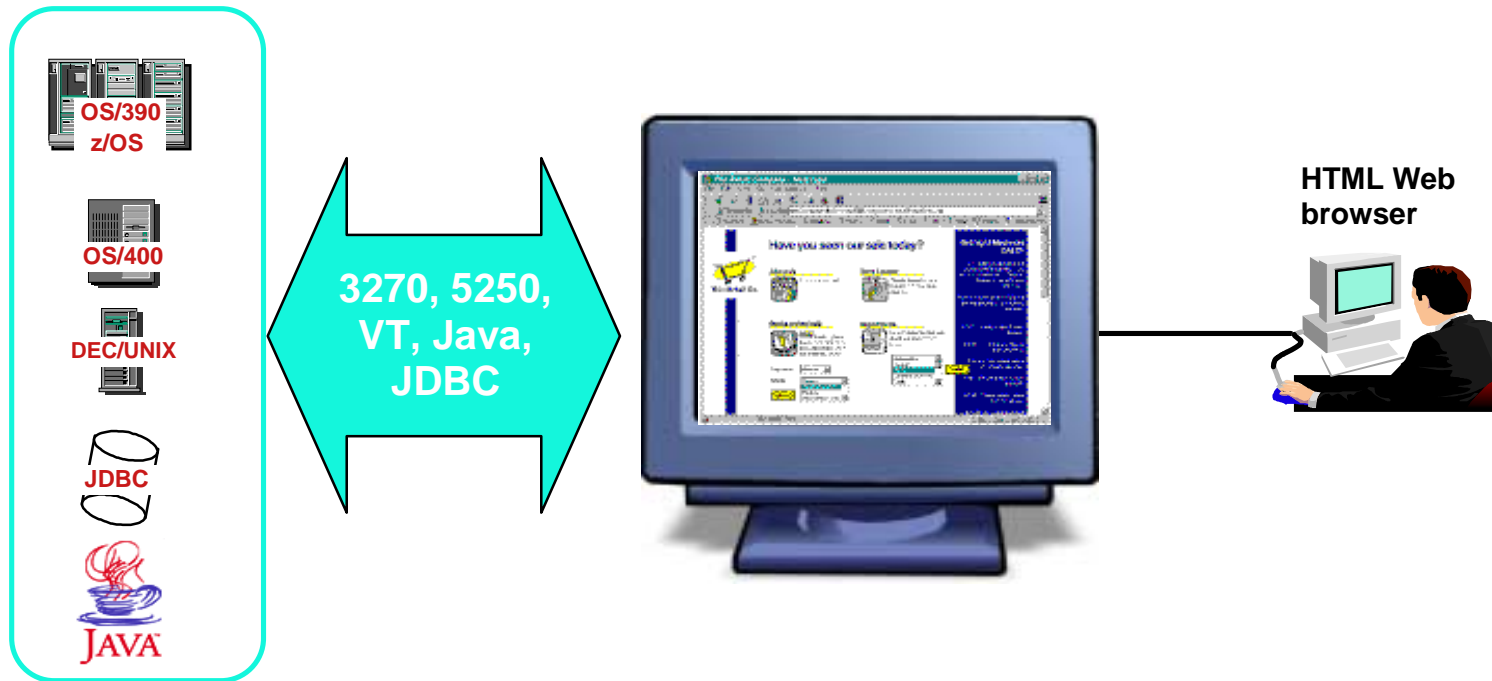- SSL, Client Authentication and Smart Card support

Screen Customizer
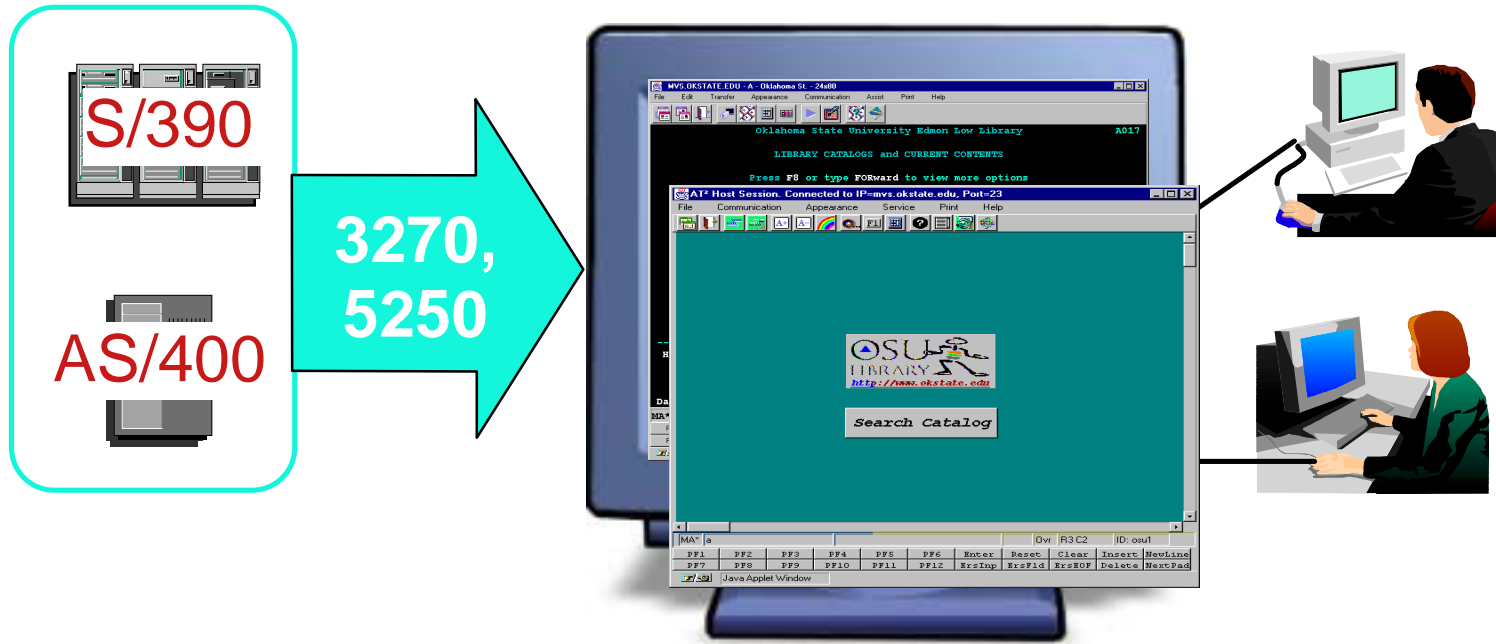
Host Application Rejuvenation

- Creates a simple GUI using drag and drop technology
- No programming required
- Works in conjunction with Host On-Demand
- No changes to host application needed

Host Publisher

OS/390 z/OS

OS/400

DEC/UNIX

JDBC

JAVA

3270, 5250, VT, Java, JDBC

HTML Web browser

Have you seen our sale today?

- Extends host applications to web browser users and new e-business applications
- Integrates multiple backend sources into custom HTML web pages
- Encapsulates Host Access into reusable Integration Objects
- Supports XML access to host applications
- Protects and leverages existing I/T investments

What's New

|	2001 Enhancements	Date Available
WebSphere Host Integration Solution Offering V2.5	• WebSphere Application Server Advanced Edition 3.5 is now is both the concurrent and registered offerings. • Host Publisher, Host On-Demand, Screen Customizer and Personal Communications products updated.	9/28/01
Host Access Client Package for Multiplatforms V2	WebSphere Host On-Demand V6.0 Screen Customizer V2.0.60 Personal Communications V5.5	9/28/01
Host Access Client Package for iSeries V2	WebSphere Host On-Demand V6.0 Screen Customizer V2.0.60 Personal Communications V5.5	9/28/01
Host On-Demand Portlet with WebSphere Portal Server	New "wrapper" that enables Host On-Demand to run inside WebSphere Portal Server	9/28/01
WebSphere Host Publisher	• Exploitation of WebSphere Application Server Advanced Edition - Workload Manager support • Enterprise Java Beans can now be developed for use in more advanced e-business application development projects. • Host Publisher Studio productivity improvements.	6/29/01

The difference is WebSphere.

IBM

Host Access Client Package V2: Product Enhancements

One Stop Shopping for Emulation

IBM Host
Access
Client
Package
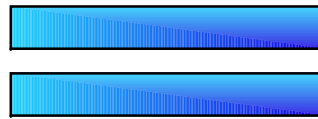
Personal Communications
Host On-Demand
Screen Customizer

- Only complete emulation and screen rejuvenation solution in the market
- Offers convenience to migrate to Web at own pace
- Create a simple graphical user interface to a host application using drag and drop technology
- Registered user pricing

Host On-Demand ... "Green Screen"

Host On-Demand ... Default GUI
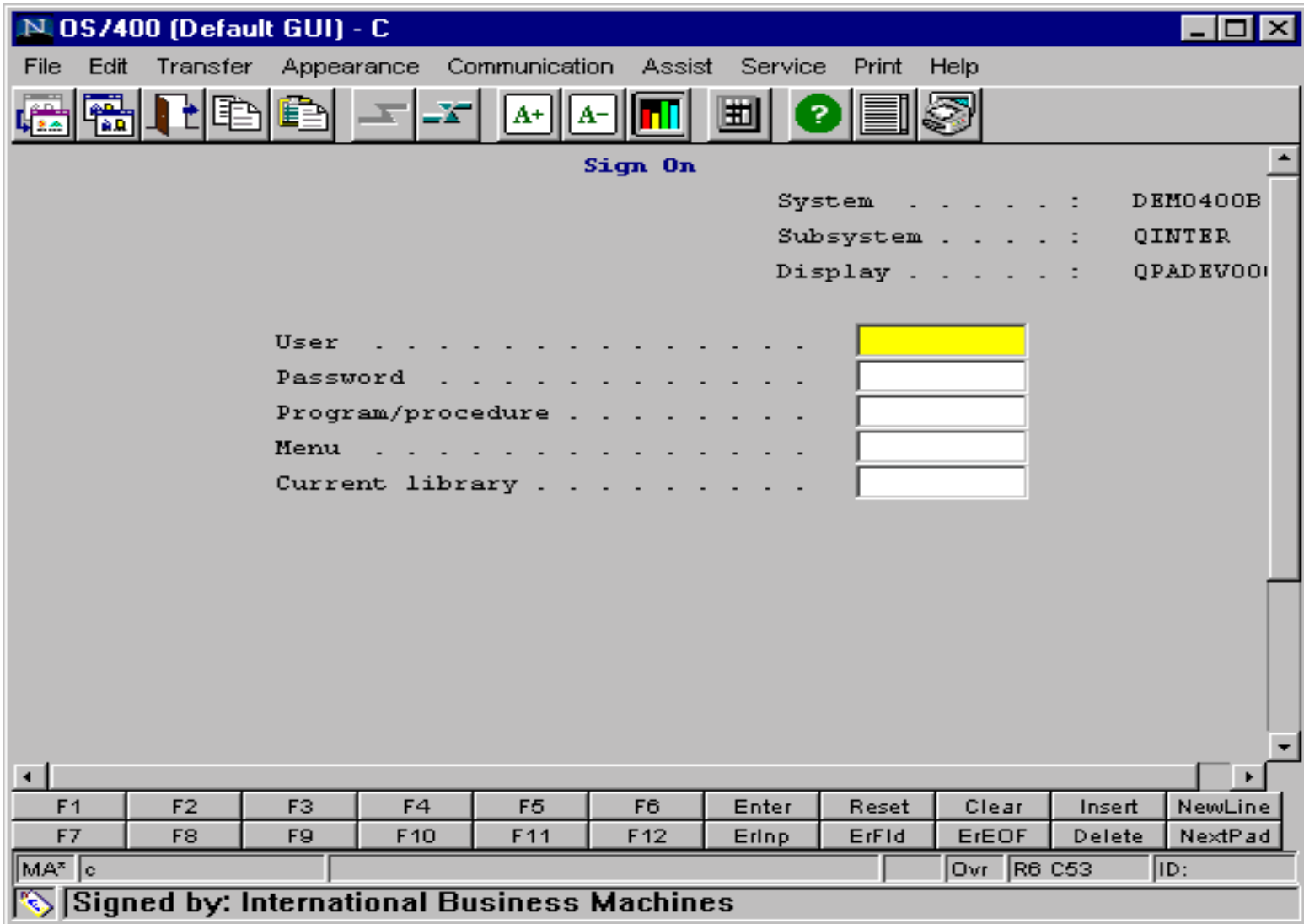
Host On-Demand with Screen Customizer

Host Access Client Package V2

Product	Availability
HACP V2: Personal Communicationsfor Windows V5.5 Personal Communications for OS/2 V4.3.1 WebSphere Host On-Demand V6 Screen Customizer V2.0.60 **HACP V2 for iSeries:** Personal Communications for Windows V5.5 Personal Communications for OS/2 V4.3.1 WebSphere Host On-Demand V6 Screen Customizer V2.0.60	September 25, 2001 Announce September 28, 2001 GA

HACP for iSeries

- **Keeps IBM cost competitive in SMB markets**
- **Increases HACP revenue opportunity**
- **Better migration path for Personal Communications for iSeries customers**

Host On-Demand Portlet

- **The portlet is a 'wrapper" that enables Host On-Demand to run inside of WebSphere Portal Server**
- **It will be available as a download from the WebSphere Portal Server site at the end of September**

HACP V2: Host On-Demand V6 Enhancements

Windows Exploitation	
Enhancement	**Benefit**
Native Windows Print	Provides users with more Windows-like printer support and the ability to make property changes without closing the 3270 printer session.
Windows NT/2000 Domain Single Sign-On	Ability to authenticate HOD users using their Windows logon user ID.

Management and Deployment Flexibility	
Enhancement	**Benefit**
Deployment Wizard Enhancements	Useability improvements make administration simpler.
Copy Sessions from Users/Groups	Administrators can easily copy sessions.

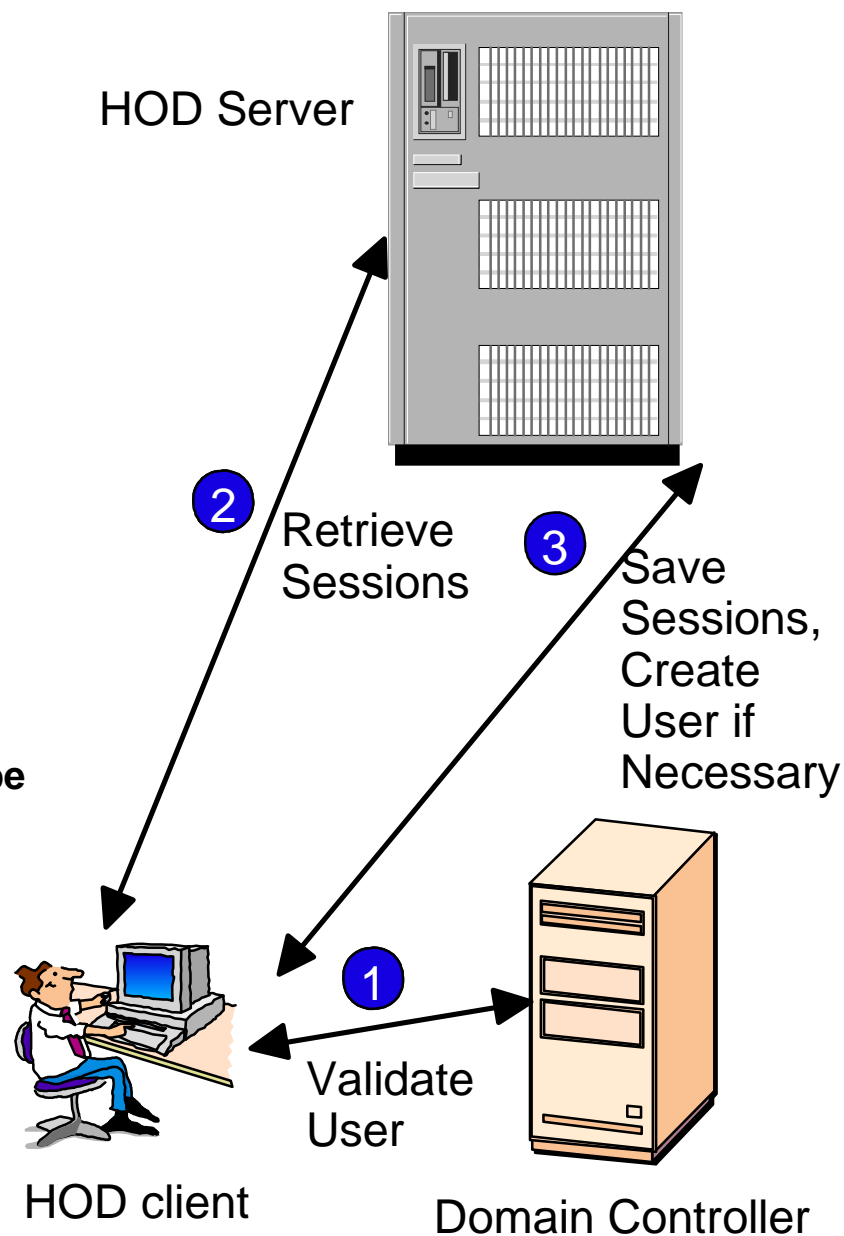| End User Productivity Enhancements	
Enhancement	**Benefit**
Customized Toolbar	Create buttons to run applets, macros, etc.
Enhanced Local Preferences	Administrator can define centrally stored preferences AND user can adopt individual preferences.

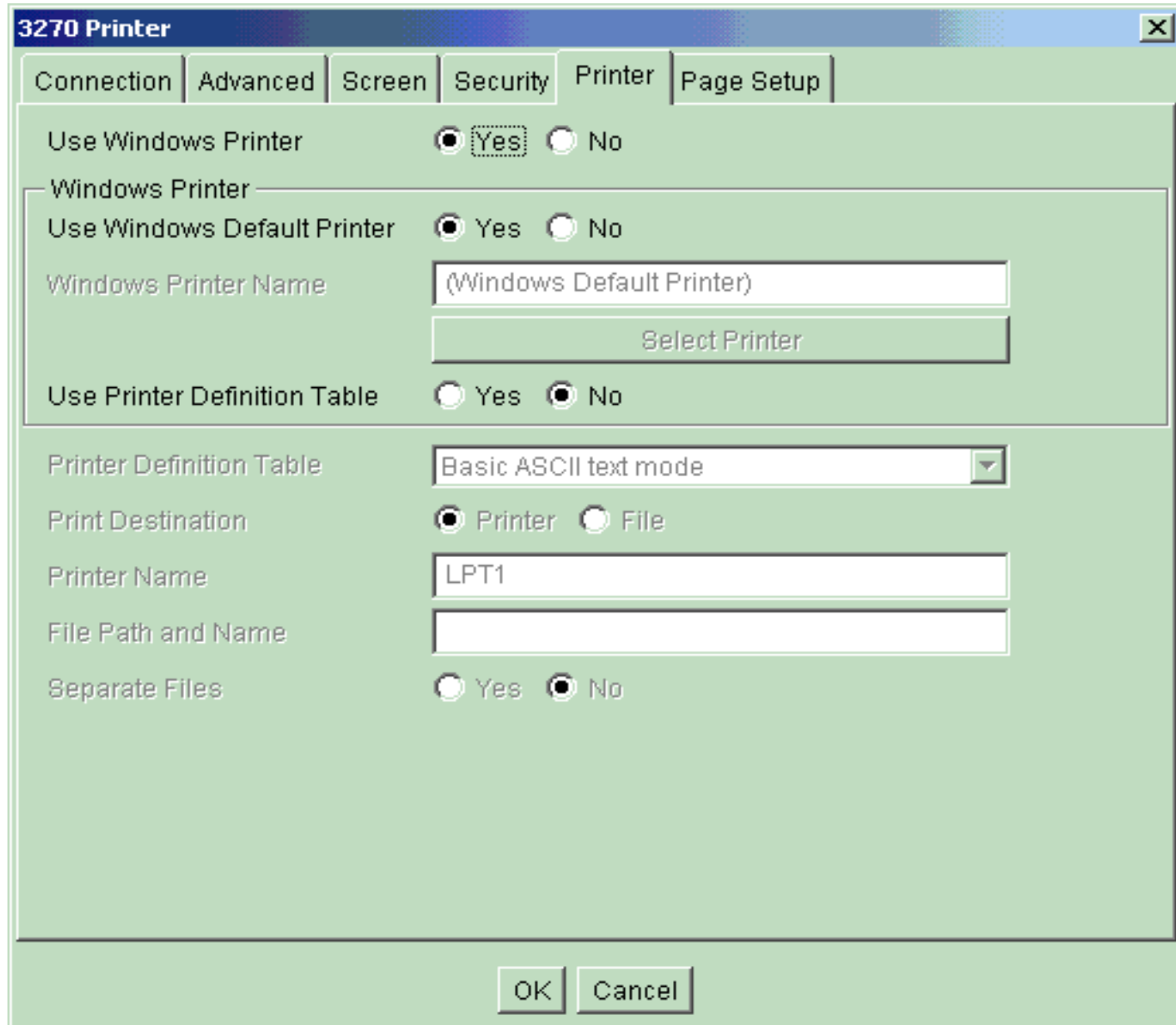| Technology Enhancements	
Enhancement	**Benefit**
Netscape 6 Support	Compatibility with Netscape 6 and the Sun Java 2 Plug-in.
JVM 1.3 Support	Compatibility only with JDK 1.3. No Java 2 exploitation.

Windows NT/2000 Single Signon Operation: Administrator Choices

HOD Server

- **Do not automatically create HOD userids**
  - ► **Applet will query Windows ID and Domain**
  - ► **If Domain doesn't match, not authorized message will appear**
  - ► **Lookup corresponding HOD userid**
    - – **If not found, issue message**
    - – **If found display user's sessions**
- **Automatically create HOD userids**
  - ► **HOD user ID does not exist**
    - – **Check Domain and HOD user ID**
    - – **Userid doesn't exist so display group sessions**
    - – **Create HOD user ID if anything needs to be saved**
  - ► **HOD userid exists**
    - – **Check Domain and HOD user ID**
    - – **Display user's sessions**

2 Retrieve Sessions

3 Save Sessions, Create User if Necessary

1 Validate User

HOD client

Domain Controller

Native Windows Printing - Configuration

3270 Printer

| Connection | Advanced | Screen | Security | Printer | Page Setup |

Use Windows Printer   ⦿ [Yes]   ◯ No

Windows Printer

Use Windows Default Printer   ⦿ Yes   ◯ No

Windows Printer Name   (Windows Default Printer)

         Select Printer

Use Printer Definition Table   ◯ Yes   ⦿ No

Printer Definition Table   Basic ASCII text mode ▼

Print Destination   ⦿ Printer   ◯ File

Printer Name   LPT1

File Path and Name

Separate Files   ◯ Yes   ⦿ No

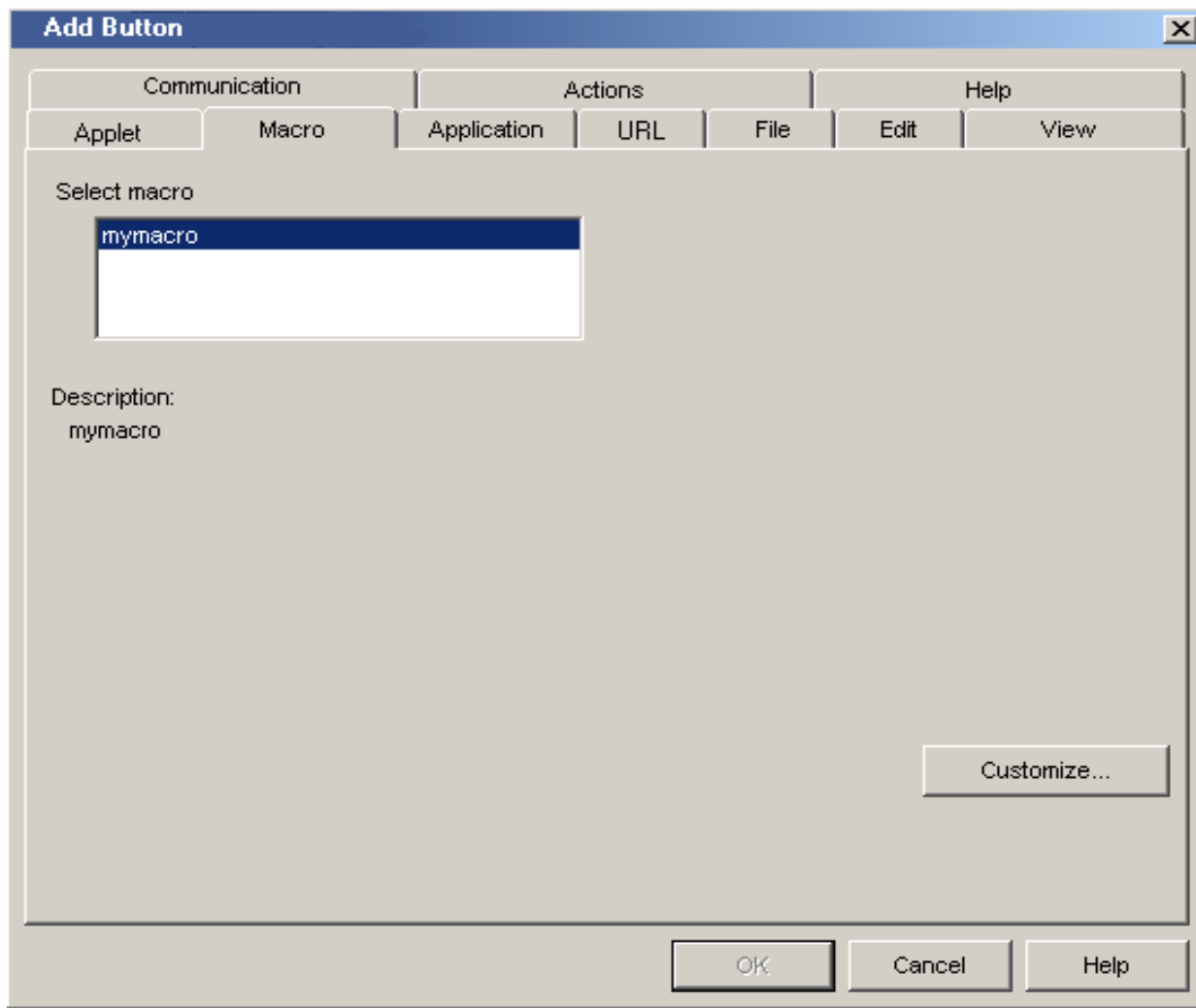OK   Cancel

Deployment Wizard Enhancements

- **Enhanced usability**
- **Easier to configure**
- **Streamlined panel flow**
  - ► **Advanced features have defaults and are not part of the main panel flow**
- **Additional configuration parameters**

Customizable Toolbar

## It is now possible to customize the HOD toolbar:

- Custom buttons
  - Add
  - Edit
  - Remove
- Popup menu
- Default
- Save settings

Copy/Paste Sessions

- **Add the ability to highlight a session, copy it to a clipboard, navigate to the session panel for another user or group and paste the session.**
- **Makes problem of creating a group session with runtime attributes easier by avoiding need for export/import.**
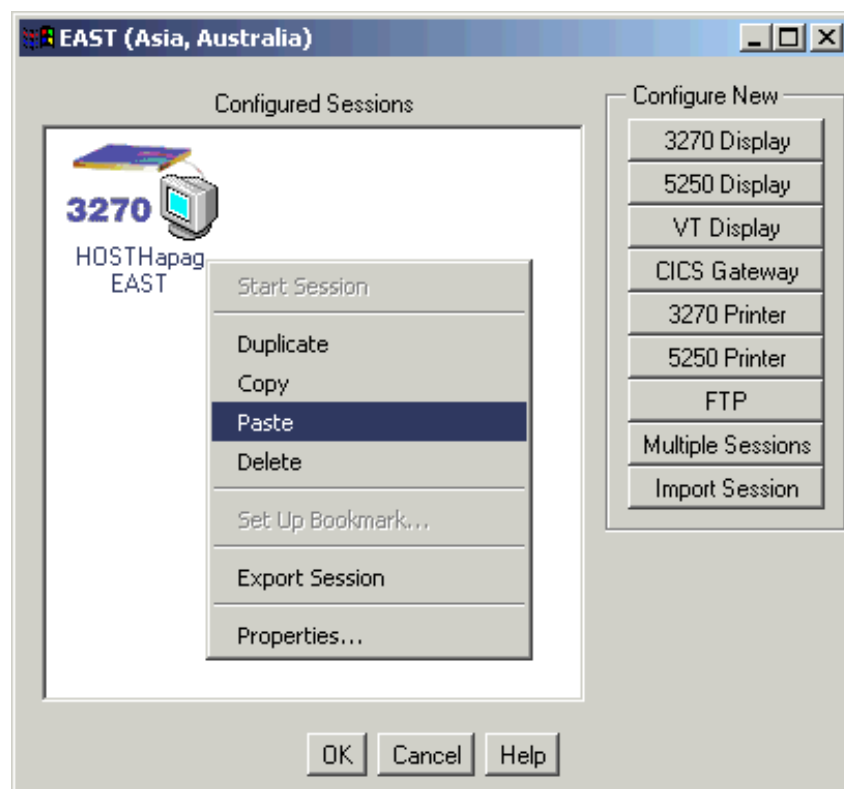
Locally Stored Preferences

- **No user IDs to create**
- **No Host On-Demand logon by the user**
- **Base configurations are merged with user changes**
- **Key configuration parameters are locked**

Cached Client Support Across the Internet

- **Host On-Demand keeps the cached components at a consistent level**
- **It now prevents users from installing different and potentially conflicting versions of components from different servers**
- **Clients can communicate with servers running different levels of Host On-Demand**

Additional Host On-Demand V6 Enhancements

- **Support for Java2-enabled browsers**
- **JVM 1.3 support on the Host On-Demand server**
- **Tab to next word and delete word**
- **Problem determination enhancements**
- **User-defined character mapping editor for DBCS environments**
- **Basic GB18030 Chinese code page support**

HACP V2: Personal Communications V5.5 Enhancements

Enhancement	Benefit
Windows 2000 Certification	Provides users with the Windows Installer and new default directory.
Macro Conversion to HOD	Macros created in PCOMM can be used in HOD.
Express Logon Function	Eliminates need for users to enter ID and password when logging onto host system. Communications Servers for AIX, NT, Windows 2000 and OS/2 WARP support this feature.
Smart Card Support	Allows you to store a certificate in a dedicated security device such as a smart card. You can keep the certificate in a local or network-accessed file, in PKCS12 or PFX format, or in a URL, protected by a password.
Associated 3270 Printer Support	Administrators can choose to determine which LU users utilize.

Personal Communications:
Now Windows 2000 Certified!

- **InstallShield for Windows Installer**
- **New Default Directory**
- **Now following Microsoft's recommendations for placement of files and directories**
- **No shortcuts on Start menu, desktop like HOD instead**

What the analysts are saying...

- **New research from the 2001 International Data Corporation (IDC) Web-to-host report**
  - ► Web-to-Host market is continuing on a significant growth path, with revenues expected to rise to $836 million, and shipments growing from 4.5 million to 15.5 million by 2005.
  - ► Dominating the Web-to-host market, IBM led with a 47.6% share!
- **InfoWorld selected WebSphere Host On-Demand as Top 5 Analyst Pick**
  - ► Praise for simplified maintenance, distribution and upgrade capabilities
  - ► Simplified deployment
  - ► Identified as a very cost-effective solution

e-business in the Industry...

e-business adoption has progressed much more slowly and with lower penetration

Why?

- **Cost**
  - ► Companies are reducing IT spending based on the state of the economy
- **Business Value**
  - ► Many companies have determined their applications work fine without being re-written
- **Lack of Skills**
  - ► Many enterprises do not have the Java programming skills needed to move their applications to e-business

The difference is WebSphere.

e-business in the Industry...

What does that mean for you?

- **Target the "early adopters" of technology as well as those who require more basic e-business technology with WebSphere Host Integration products**
- **WebSphere Host Integration is easy to buy, easy to deploy, and is a cost-effective way to move to e-business**
  - ► **low cost per user**
  - ► **Wizards to help administrators develop and deploy applications**
  - ► **Increased ROI for the customer**
- **WebSphere Host Integration is the largest near term revenue opportunity for you**
- **As the market moves beyond transactions, there is significant opportunity to sell other WebSphere integration and infrastructure solutions, and this is a key IBM differentiator from our competitors!**

Why These Host Integration Announcements are Significant

- **WebSphere Host Integration products continue to support and integration simplify transformation to e-business, while positioning customers for the future**

- **Comprehensive solution offerings complemented with rich set of tools enable customers to easily tailor Web-to-host solutions for different user groups.**

- **Product enhancements offer enterprises the ability to reach new users, while enabling greater flexibility and productivity.**

Resources for Host Integration

IBM WebSphere Host Integration Solution Web Site
- ► **http://ibm.com/software/webservers/hostintegration**

IBM WebSphere Host Integration - Customer Comments
- ► **http://ibm.com/software/webservers/hi_customers**

IBM WebSphere Host Integration - Business Partners
- ► **http://ibm.com/software/webservers/hi_partners**

IBM WebSphere Host Integration - Case Studies
- ► **http://ibm.com/software/webservers/hi_casestudies**

IBM WebSphere Host Integration - Library (brochures, redbooks, white papers, presentations)
- ► **http://www.ibm.com/software/webservers/hostintegration/library.html**