



# IBM Host Access Client Package for Multiplatforms V4 – IBM Personal Communications and WebSphere Host On-Demand – Migrate to the Web at your own pace

## Overview

The IBM Host Access Client Package for Multiplatforms V4 bundle adds product function, building from IBM Host Access Client Package for Multiplatforms V3.

### Package elements

- IBM Personal Communications for Microsoft Windows™ V5.7
- WebSphere® Host On-Demand V8

A solution for your host connection needs, the package includes:

- Access to applications and data residing on IBM @server iSeries™ (5250), zSeries® (3270), and DEC/UNIX® virtual terminal (VT) hosts for traditional Web users in SNA and intranet environments
- Thin client technology to distribute host access capability to remote users, plus users in intranet and extranet environments

### Migrate to the Web at your own pace

With one package, you can support your diverse user community and help eliminate the need to work with multiple vendors.

From one vendor, at one price per user, you can provide access to legacy applications to virtually any type of user, regardless of their needs. Whether it is an office-based power user or a mobile employee, a systems programmer or a business partner with no training on host applications, the Host Access Client Package for Multiplatforms can respond to the need.

With tools that you use today, you can start to build your e-business applications of the future that can help you to:

- Achieve competitive advantage in your marketplace
- Reduce expenses
- Leverage your existing investments

For more information, visit:

<http://www.ibm.com/software/network/hostaccess>

## Key prerequisites

Refer to the **Hardware requirements** and **Software requirements** sections for details for Personal Communications and WebSphere Host On-Demand.

### Planned availability date

September 26, 2003: Electronic software delivery and media

## At a glance

### New in the Host Access Client Package for Multiplatforms

IBM Personal Communications for Windows V5.7

- “Designed for Microsoft™ Windows XP” certified
- IP V6 support for emulator Telnet sessions
- Multiple print screen support

WebSphere Host On-Demand V8

- Access host systems and host applications without user ID and password
- Run Host On-Demand without a browser
- Incorporates the Host On-Demand terminal and GUI elements into your own applications without wiring the beans
- Supports IP V6
- Emulator and database clients now support Macintosh

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## Description

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### ***New for Personal Communications V5.7***

Personal Communications V5.7 is based on the popular Personal Communications V5.6.

#### *Emulator session enhancements*

**Connection timeout:** For emulator Telnet sessions, the **Connection timeout** and **Try connecting to last configured host infinitely** options allow you to modify connection waiting and reconnection behavior.

**IPv6 support:** For emulator Telnet sessions, Personal Communications V5.7 supports IPv6 addresses. This support is available on Microsoft Windows XP (SP1®, or later) and Microsoft Windows 2003.

#### *Accessibility enhancements*

Personal Communications V5.7 further facilitates the use of accessibility devices such as screen readers.

- **Expanded OIA** — You can display an accessible version of the Operator Information Area by clicking **View Expanded OIA** — in an emulator session. You can also map a key combination to toggle focus to and from the Expanded OIA display.
- **Popup keyboard** The Customized Poppad dialog allows you to customize the dimensions of individual keypads. You can also map and toggle focus to and from the keypads.

#### *New emulator features*

**Collect and print multiple print screens** — The **Collect Screen** feature allows you to gather individual print screens to be printed at the same time. You can print the collected screens with the **Print Collection** function. These functions can be used concurrently with the regular Print Screen function.

**Autostart Java™ Applet** — To run a Java applet automatically, you can add the function **Run Applet** to a macro. You can add this function to an autostart macro, so that an applet can be run at session startup.

#### *Power management*

**Standby/hibernate user preference setting** — The User Preference Manager adds a setting to suppress prompts for permission to standby or hibernate.

#### *Bidirectional enhancements*

**Symmetric and numeric swapping for Arabic RTL printing** — When modifying the printer setup for 3270 Arabic printer sessions, symmetric and numbering swapping are enabled for RTL host file orientation.

**ZipPrint support** — For Hebrew and Arabic 3270 sessions, Personal Communications supports the following ZipPrint functions:

- Print Screen
- Print CMS File
- Print XEDIT Workspace

**Hebrew Symmetric Swapping support for transfers** — As with Arabic sessions, Personal Communications supports Symmetric Swapping for Hebrew file and data transfers.

#### *Terminal services support*

For Windows Terminal Services and other simultaneous user environments, Personal Communications enables you to automatically stop an SNA node, and provides enhanced options for automatically starting a node. You can also control how, and on whose desktop, a transaction program runs.

#### *SNA Node Configuration*

**Session-level encryption (SLE)** — SNA SLE enables data transfer between nodes running SNA applications. This feature is available on Microsoft Windows NT™, 2000, and XP, for dependent LU (LU0 to LU3) or LU 6.2 sessions.

**Node configuration preferences** — Using the SNA Node Configuration utility **Edit Preferences** dialog, you can specify SNA node automatic start and stop behavior, transaction program context behavior, and the default node configuration (.acg) file.

#### *Security*

**Certificate Management enhancement** — Personal Communications provides IKEYMAN command-line interface ability to manage certificates on Smart Cards.

**Transport Layer Security** — Personal Communications allows you to negotiate Transport Layer Security (TLS) 1.0 security.

#### *Tivoli® support*

Personal Communications supports Tivoli Software Distribution V4.2.

### ***New for Host On-Demand V8***

#### *Security*

**Web Express Logon** — Web Express Logon allows users to access host systems and host applications without a user ID and password. Unlike Certificate Express Logon, Web Express Logon works in conjunction with your existing network security application and does not require client certificates. For more information, refer to the Web Express Logon Reference.

**SSH (the Secure Shell)** — Host On-Demand now supports encrypted VT Display sessions and encrypted file transfer (sftp) sessions using SSH. SSH is a popular protocol for running secure sessions over a non-secure transport layer such as TCP/IP. Host On-Demand supports a subset of SSH V2.

**Secure FTP** — The Host On-Demand FTP client now provides TLS and SSL-based encrypted file transfer.

#### *Technology*

**Web Start** — Web Start client is a new Java 2 technology that enables you to run Host On-Demand without a browser. This client type can eliminate some of the problems that occur when running in a browser, such as inadvertently closing the browser when a session is active. Java 1.4 is required for this support.

**TN3270E** — Host On-Demand 3270 Display sessions now support the TN3270E protocol. TN3270E is an enhanced form of the TN3270 protocol that allows users to specify an LU or LU pool to which the session will connect. TN3270E also supports the Network Virtual Terminal (NVT) protocol for connecting to servers in ASCII mode (for example, to log on to a firewall).

Host On-Demand also supports the contention-resolution mode feature of TN3270E. This feature allows the 3270 host to indicate to the client when the host has finished updating the application screen. Several parameters added to the Host On-Demand macro language take advantage of contention-resolution mode.

**Support for Internet Protocol V6** — Internet Protocol V6 (IPv6) is the next generation of the Internet Protocol. With the introduction of IPv6, the current version of the Internet Protocol is referred to as Internet Protocol Version 4 (IPv4). IPv6 expands the number of available Internet addresses and provides improvements over IPv4 in the areas of routing and network configuration. Java 1.4 is required for this support.

**Macintosh support** — The Host On-Demand emulator and database clients now support Mac OS.X.

**Cached client improvements for Java 2** — Host On-Demand offers several improvements in the Java 2 cached client. For most types of Java 2 cached clients, including the emulator client, the Database On-Demand client, and the new user client, you can now do the following:

- Install the client from a LAN drive or CD
- Share the client between more than one user on Windows 2000 or Windows XP
- Upgrade the client in the background
- Remove the client in one operation, without clearing the Java 2 plug-in cache

These improvements raise the Java 2 cached client to the same level of user-friendliness and flexibility as the Java 1 cached client.

**Programmable Host On-Demand API** — Programmable Host On-Demand allows you to incorporate the Host On-Demand terminal and its GUI elements into your own application without wiring the beans.

**Unicode support for OS/400®** — For 5250 Display sessions, Host On-Demand now supports iSeries hosts that send Unicode data using tagged CCSID fields. This capability is supported by OS/400 V5R2. This enhancement allows Unicode data to be displayed in 5250 Display sessions. Host On-Demand supports CCSIDs 13488 (0x34B0) and 17584 (0x44B0).

#### *Productivity*

**ZipPrint** — Host On-Demand now allows you to automatically print some types of 3270 documents in their entirety by making a single selection. This ZipPrint capability is similar to the ZipPrint functions in the IBM Personal Communications product. You can add your own customized document types.

**Sharing and reusing macro, keyboard, and toolbar components** — Administrators and users can now share and reuse the following configuration components from one session to the next:

- Macros
- Keyboard definitions
- Toolbar definitions

Administrators no longer need to reconfigure these components for each individual session or HTML file, and end users can share a single component definition across sessions.

**Macro enhancements** — Host On-Demand offers new enhancements to the macro capability. You can:

- Invoke methods in Java classes
- Print screens or a series of screens using new print actions

**Server macro libraries** — The Host Sessions window of the Deployment Wizard now allows you to deploy server macro libraries to selected sessions from either a Web server or a shared network drive. This can eliminate the need to import large macros into a session, and you can update them without modifying the Host On-Demand sessions or HTML definitions.

**Redirector enhancements** — The Redirector now provides connection logging and allows connections to remain active during a period of inactivity. You can specify the amount of time to wait before dropping an inactive Redirector connection.

**List function in the Directory Utility** — Directory Utility now adds a list function to its other actions, all calculated to save time by allowing management of configuration data in a batch mode environment. With this new function you can perform searches on users and groups, using criteria with flexible wildcard options. The list function writes search results to output files that can be reused as input for other actions.

#### *Usability*

**Backup Servers** — On most session types you can specify up to two backup servers in addition to the main server. If you specify backup servers, then the Host On-Demand client automatically tries to connect with the backup servers if the connection with the main server fails.

**Accessibility improvements** — While we do not offer every accessibility feature based on Section 508 of the US Rehabilitation Act, Host On-demand offers new accessibility features to help users who have physical disabilities, such as restricted mobility, limited or no vision, or limited or no hearing to use host sessions successfully.

**CICS® client improvements** — Users have more power to customize CICS Gateway sessions according to their work habits. They either can specify which CICS transaction starts upon host connection or choose to begin their sessions without an initial transaction.

**Importing and exporting sessions** — The Host Sessions window of the Deployment Wizard now gives you the option to import and export entire host sessions. In previous releases of Host On-Demand, this option was only available from the Administration Window.

### ***Accessibility by people with disabilities***

Most common functions of Personal Communications:

- Supports interfaces used by screen readers and magnifiers
- Can be operated using only the keyboard
- Supports customization of display attributes such as color, contrast, and font size
- Communicates all information independently of color
- Allows the user to take as much time as needed to respond
- Does not rely on audio
- Avoids the use of blinking objects
- Does not flash the screen at rates that could induce epileptic seizures

The Host On-Demand Deployment Wizard and emulator clients:

- Supports the Java Accessibility interface which can be used by screen readers
- Can be operated using only the keyboard
- Supports customization of display attributes such as color, contrast, and font size
- Communicates all information independently of color
- Allows the user to take as much time as needed to respond
- Does not rely on audio
- Avoids the use of blinking objects
- Does not flash the screen at rates that could induce epileptic seizures
- Documentation is provided in accessible HTML format

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## Product positioning

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IBM Host Access Client Package for Multiplatforms, V4 offers a migration path from traditional emulation to Web browser-based emulation. This bundle focuses on TN5250, TN3270E, VT52/100/220, and CICS applications support.

Within the WebSphere Host Integration Solution, WebSphere Host Access Transformation Server (HATS) also addresses this market. It is a server-side solution that runs on the WebSphere Application Server. HATS makes your 3270 and 5250 applications available through the most popular Web browsers, while at the same time, converting your host screens to a Web-like look and feel. HATS provides a zero-footprint Web-to-host solution — the only software needed on the client is a Web browser.

### ***IBM Personal Communications***

IBM Personal Communications is a key client component of the IBM Host Integration portfolio for LAN, WAN, and remote access and connectivity (RAC). Personal Communications provides access to applications and data whether residing on mid-range or enterprise servers (mainframes). Additionally, Personal Communications can give you the optimal platform for traditional access to data and applications on the host and includes new tools to help transform your traditional business into an e-business.

### ***WebSphere Host On-Demand***

WebSphere Host On-Demand is targeted to customers who wish to provide easy, cost-effective host access with security to users in intranet- and extranet-based environments. It can enable businesses to extend the reach of their host applications and data to new users, including business partners, suppliers, and sales personnel.

Host On-Demand gives users security enhanced browser access to host applications and data, with Web browser-based emulation. With support for TN3270E, TN5250, VT52/100/220, and CICS applications included in a single package, users need to learn only one interface to reach key host data. Because Host On-Demand is Java based, users in different operating environments get the same look and feel, and an identical feature set.

Host On-Demand is installed only on the Web server, and the Host On-Demand applet is downloaded via a Web site to the user's Web browser. Code maintenance, updates, and configurations occur on the Web server. Users are updated automatically. The Host On-Demand cached client can help reduce download and user idle time, help enhance productivity, and help save significant expense in product deployment and maintenance.

Host On-Demand can be installed on nearly any server platform to fit nearly any size organization or branch office. Host On-Demand is supported by your choice of platforms, ranging from Windows NT, AIX®, and Linux servers to iSeries and zSeries mainframes. The benefit extends to the desktop as well. Because the interface is Java-based, it is the same in every workstation environment, whether it be Windows 95, Windows NT, OS/2®, Linux, Apple Mac, or other supported workstation environments.

A rich Java toolset, including Host Access Beans for Java and the API, can enable customers to rapidly create custom e-business applications to achieve a competitive advantage. Because Host On-Demand is part of the WebSphere family, applications developed using the toolset can be incorporated into other WebSphere software projects, helping preserve your Host On-Demand investment and helping provide a quick start to the Web and e-business.

Host On-Demand is recommended for installations that require low-cost centralized deployment, easy, centralized administration, and support for a broad range of client and server platforms. IBM Personal Communications is recommended for full-function emulation, more extensive APIs, and a wider range of protocols or connectivities, including APPN® and other SNA technologies.

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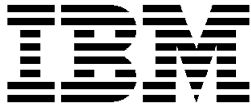
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# IBM US Announcement Supplemental Information

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## Offering information

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Product information is available through Offering Information at:

<http://www.ibm.com/common/ssi>

And through the Passport Advantage® Web site at:

<http://www.ibm.com/software/passportadvantage>

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## Publications

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No publications are shipped with this product.

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## Technical information

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### Hardware requirements

#### IBM Personal Communications for Microsoft Windows™ V5.7

##### Installation

- A personal computer with a CD-ROM drive, if Personal Communications is to be installed
- A 486, or higher, system processor

##### Memory and fixed storage capacity

- 16 MB RAM minimum, 24 MB recommended for Windows 95 OS Release 2, Windows 98, Windows 98 Second Edition, Microsoft Windows NT™, and Windows 2000
- 125 MB of fixed disk space minimum. Additional space may be required depending on the installation options selected

##### System unit

IBM and IBM-compatible workstations with a 486, or higher, microprocessor. A Pentium™ microprocessor is strongly recommended. If Personal Communications is to be locally installed, the workstation must also have a CD-ROM drive.

#### IBM WebSphere® Host On-Demand V8

- For Windows NT and Windows 2000: 375 MB for one user interface language, plus an additional 8 MB per additional user interface language
- For AIX®: 375 MB (includes English as a user interface language and the additional security files), plus an additional 8 MB per additional user interface language
- For Sun Solaris, Linux, HP-UX 400 MB (includes English as a user interface language), plus an additional 8 MB per additional user interface language
- All others: 525 MB (all languages installed)

### Software requirements

#### IBM Personal Communications for Windows V5.7

- Windows 95 OS Release 2
- Windows 98/98 SE
- Windows Millennium Edition
- Windows 2000 Professional
- Windows XP Professional and Home Edition — (32-bit)
- Windows NT 4 with SP 6, and above
- Windows 2000 Server
- Windows Server 2003
- Terminal Services (Windows NT 4 — Terminal Server Edition, Windows 2000 and Windows 2003)
- Citrix Metaframe 1.8 for Windows Terminal Server 4.0 and Windows 2000 Server
- Citrix Metaframe XP Presentation Server (Versions s,a,e) for Windows
- Microsoft™ SNA Server Client (optional)
- IBM Communications Server Client (optional)

IBM Personal Communications for Windows V5.7 communicates with the following types of servers or gateways:

- IBM Communications Server for Windows
- IBM Communications Server for AIX
- Microsoft SNA Server V4 SP4
- Microsoft Host Integration Server 2000

#### Miscellaneous Software

- Tivoli® Software Distribution V4.2

#### WebSphere Host On-Demand V8

##### For servers

- Windows NT 4.0 with SP5, and above
- Windows 2000 (Professional, Server, and Advanced Server)
- Windows XP Professional (32-bit) (this should not be used for a large-scale production server)
- Windows 2003 Server (32-bit)
- AIX 4.3.3, 5L 5.1, 5.2
- OS/2 Warp® Server 4, OS/2® Warp Server for e-business 4.5
- Novell NetWare 4.2, 5.1, 6
- Sun Solaris 7, 8, 9

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- OS/400® V5R1, V5R2
- OS/390® V2R10
- z/OS® V1R1, V1R2, V1R3, V1R4
- HP-UX 11.0, 11i
- Red Hat Linux 7.1, 7.2, 7.3
- Red Hat Enterprise Linux AS 2.1
- Red Hat Linux 9.0 Personal and 9.0 Professional
- Red Hat Linux 8.0 Personal and 8.0 Professional
- SuSE 7.1, 7.2, 7.3, 8.0, 8.1 Professional, 8.2
- Caldera 3.1
- SCO-Caldera OpenLinux Workstation 3.1.1
- SCO-Caldera OpenLinux Server 3.1.1
- TurboLinux 6.5, 7.0, 8.0 Workstation and 8.0 Server

**Note:** The version for support for Linux on S/390® is the same as listed above for Red Hat, SuSE, Caldera, and TurboLinux.

#### For clients

- Windows 95
- Windows 98
- Windows Millennium Edition
- Windows NT 4.0 with SP5, and above
- Windows 2000 (Professional)
- Windows XP Professional and Home Edition (32 bit)
- Windows 2003 Server (32 bit)
- AIX 4.3.3, 5L 5.1, 5.2
- OS/2 Warp 4
- Sun Solaris 7, 8, 9
- HP-UX 11.0, 11i
- Red Hat Linux 7.1, 7.2, 7.3
- Red Hat Enterprise Linux AS 2.1
- Red Hat Linux 8.0 Personal and 8.0 Professional
- Red Hat Linux 9.0 Personal and 9.0 Professional
- SuSE 7.1, 7.2, 7.3, 8.0, 8.1 Professional, 8.2
- Caldera 3.1
- SCO-Caldera OpenLinux Workstation 3.1.1
- SCO-Caldera OpenLinux Server 3.1.1
- TurboLinux 6.5, 7.0, 8.0 Workstation and 8.0 Server
- Windows NT Server 4.0 Terminal Server Edition and Windows Terminal Services for Windows 2000
- Netstation V2R1M0
- Citrix Metaframe 1.8 for Windows Terminal Server 4.0 and 1.8 for Windows 2000 Server
- Citrix Metaframe XP Presentation Server (Versions s, a, e) for Windows
- Apple Mac OS X 10.2.1

**Note:** A local client is only supported on Windows 32 platforms (Windows XP, 2000, NT, Millennium, and 98)

#### For browsers

- Netscape Navigator 4.7, 6.1, 6.2, 7.0
- Netscape Navigator (OS/2) 4.61
- IBM Web Browser for OS/2 V1.2
- Microsoft Internet Explorer 4.01, 5.01, 5.5, 6.0
- Java™ Plugin 1.3.1, 1.4.0, 1.4.1 (IBM, Sun, HP)
- Mozilla 1.0.2, 1.2.1
- Browsers supported on Apple Mac system: Microsoft Internet Explorer 5.2 and Safari V1
- JRE levels supported on Apple Mac system: 1.3.1 and 1.4.1

#### For development environments

- VisualAge® for Java 3.5, 4.0
- WebSphere Studio Application Developer V4.0, V5.0
- WebSphere Studio Site Developer Advanced V4.0
- Borland/Inprise JBuilder V5.0, V6.0, V7.0, V8.0

#### For Web servers

- iPlanet Web Server Enterprise Edition V6.0
- IBM HTTP Server V1.3.12.6, V1.3.19.2, V1.3.26, V2.0.42
- Microsoft IIS 4, 5, 5.1, 6
- Apache HTTP Server 1.3, 2.0
- Lotus® Go V4.6
- Lotus Domino™ R6

#### For LDAP servers

- IBM LDAP Directory Server V3.2.2
- IBM Directory Server V4.1, V5.1
- Netscape Directory Server V4.0 (both on Windows NT and AIX)
- IBM LDAP Server running on OS/390 V2R9, V2R10
- IBM LDAP Server running on z/OS V1R1, V1R2, V1R3, V1R4

#### For Web application servers

- WebSphere Application Server V4.0, V5.0, V5.0 Express
- iPlanet Application Server V6.0
- Lotus Domino R6

#### For Web Express Logon

- IBM Tivoli Access Manager for e-business V4.1
- Netegrity SiteMinder V5.5
- DB2® Universal database V7

#### Miscellaneous software

- WebSphere Portal for Multiplatforms V2.1, V4.1, V4.2
- Acrobat Reader (or Acrobat) V4.0, or later
- CICS® Transaction Gateway V5.01

**Note:** Acrobat Reader (or Acrobat) V5.0, or later, is required for DBCS PDF support.

## Limitations

### WebSphere Host On-Demand V8

- Sun Microsystems is discontinuing support for the ActiveX bridge after V1R3. As a result of this, the Host Access ActiveX controls provided in the Host On-Demand toolkit component of the program are removed.
- Because terminal and printer devices require a specific language code page to process data correctly, data between different language-dependent devices may not be completely compatible.
- VT52, VT100, and VT220 emulation support is SBCS only.
- The euro currency symbol is not supported in VT or CICS Transaction Gateway. To print the euro currency symbol in Host printing PDT mode, the printer must be euro currency symbol enabled. The print screen function or the Host print in Windows printer driver mode requires that the browser and underlying operating system be euro currency symbol enabled.
- In order to use the Native Authentication feature, you must install Host On-Demand on the same machine that you wish to authenticate against. Native Authentication is supported only on Windows NT, AIX, and zSeries® platforms.
- Due to Java 2 limitations, the following do not work in a Java 2 client environment:
  - HOD.HTML cannot run some functions without modification
  - Cached client support across the Internet for Java 1 applies to Host On-Demand Version 5.0.4 and above
- The Function On-Demand client is not supported in Host On-Demand V8. Instead, you can use the Deployment Wizard to tailor client functions for your environment.
- In addition to the limitations listed above for Java 2, the following cached client functions are not supported on an Apple Mac with OS X:
  - Upgrading the cached client in the background
  - Installing additional components after initial download
  - Controlling upgrades
  - Installing the cached client from CD
- In addition, you must use the Java Control Panel to remove the cached client. HODRemove.html is not supported on the Mac.
- The local client install for Host On-Demand V8 is not supported on Windows 95.
- The SCO UNIXware operating system is not supported in Host On-Demand V8.
- Host On-Demand V8 no longer includes the Certificate Wizard tool. Instead, you can use the Certificate Management tool to create and manage certificates.

### Personal Communications V5.7

- Sun Microsystems is discontinuing support for the ActiveX bridge after V1R3. As a result of this, the Host Access ActiveX controls provided in Personal Communications V5.7 have been removed.
- VT Emulation support is for SBCS only.

- Novell has discontinued support for the NetWare for SAA® product set. As a result the API Client support for this environment is no longer supported in Personal Communications V5.7.
- MCA communications adapters are not supported.
- Personal Communications V5.7 no longer includes the Certificate Wizard tool. Instead, you can use the Certificate Management tool to create and manage certificates.
- The MSCAPI support provided in Personal Communications V5.7 is limited to importing and exporting certificates from the Microsoft Certificate Store.
- IPV6 addressing support is limited to Telnet connectivity running on Windows XP (SP1®) and Windows 2003 platforms.
- The SNA Node Configuration Preference support introduced in Personal Communications V5.7 is limited to use on the Windows 2000, XP, and 2003 operating platforms.

### Performance considerations

#### Personal Communications for Windows V5.7

Responsive time in a terminal environment depends upon a variety of system unit and data-communication load factors. These include the types and speeds of system units, processors, number, and types of communication adapters installed, the line speed of the communication service, and type of processing done by the applications utilizing Personal Communications.

### Planning information

#### Personal Communications for Windows V5.7 Planning

Install and configure Personal Communications for Windows V5.7 — Follow the installation instructions to install Personal Communications for Windows 5.7. Then use the Personal Communications for Windows online help for more detailed information about configuring Personal Communications for Windows to allow users to access host sessions.

#### Host On-Demand V8 Planning

Install a JDK (OS/400 only) and a Web Server.

Check the supported JDK and JVM, browser, Web Server, and servlet engine levels, as well as required disk space.

Determine Directory structure for Host On-Demand installation — The installation instructions, and automated installations, assume a certain directory structure. In most cases, the defaults should work. Review the directory structure requirements before installing. If you change the default directory structure, keep your changes in mind when following the installation instructions.

Choose a deployment strategy — Host On-Demand provides three models for deploying configuration data to users: HTML-based, configuration server-based, and the combined model. Selecting the model will help you select the service manager port and the configuration servlet.

Select the Service Manager port — The default service manager port is 8999. If you want to change this value because it is already in use, you may change it during installation for Windows AIX, OS/400, Solaris, HP-UX, and Linux. The port may also be changed after installation on all platforms.

Choose to use the Configuration Servlet — During the Windows NT, Windows 2000, and graphical AIX installations, if the installation program detects a supported Web application server, you are given the option to use the configuration servlet. The configuration servlet allows client applets to communicate with the configuration servlet through a firewall without opening any additional ports on the firewall. The configuration servlet can be installed manually on the other operating systems, and for Web application servers that are not recognized by the installation program.

Decide what security levels to set — You can configure your Web server to use SSL or TLS (https), so that the data stream from your Web server to your browser is encrypted. Once the client is loaded in a browser, however, it communicates directly with the host. You may be able to configure Host On-Demand to provide SSL or TLS security to your host sessions.

- If the Telnet server supports SSL or TLS, the clients can be configured to also use SSL or TLS.
- If your Telnet server does not support SSL, and you are running Host On-Demand on Windows NT or AIX, you can configure the Host On-Demand Redirector to provide SSL support. The Redirector acts as a transparent proxy between the client and the Telnet server by using port remapping. It can encrypt data between the client and itself, between itself and the host, or both.

Install and configure Host On-Demand — Follow the installation instructions to install Host On-Demand V8, then use the Host On-Demand online help for more detailed information about configuring Host On-Demand so users can access host sessions.

Running a CICS Gateway session — Host On-Demand V8 has upgraded to the CICS Transaction Gateway V5.0.1 client package. Therefore, to run a Host On-Demand CICS Gateway session, you must be running CTG V5.0.1, or later.

Using Unicode support for OS/400 — The Host On-Demand Unicode support for OS/400 requires the following OS/400 V5R2 PTFs: S108903, S108904, S108933, and S108985.

**Packaging:** Host Access Client Package for Multiplatforms V4 media packages are distributed with the following materials:

- Passport Advantage Media Pack Pointer Sheet
- International Program License Agreement Booklet (IPLA) — generic
- HACP V4 License Information booklet (hardcopy license)
- IPLA Pointer Sheet — generic
- Screen Customizer flyer
- Host Access Client Package Content Flyer V4
- Host Access Client Package Tape Fulfillment Card
- Affirmative Computing Insert
- HOD V8 service key card
- PCOMM V5.7 service key card
- Four CD-ROMs for Personal Communications for Windows, V5.7
  - Multilingual
  - Korean

- Simplified Chinese
- Traditional Chinese
- One CD-ROM for DB2 Connect® V8.1 for Personal Communications for Windows V5.7
- Seven CD-ROMs for WebSphere Host On-Demand V8
  - Windows / AIX / AS/400®
  - HP UX
  - Linux
  - Linux PPC / Linux z/OS / Linux iSeries™
  - Solaris
  - OS/2 / Novell
  - Toolkit

When tape media is specified for Host On-Demand, the following are also included in the media packages:

- Three 3480 tapes
- Three 4 mm tapes

### **Security, auditability, and control**

Host Access Client Package for Multi V4.0 runs under the control of the operating system for which it was designed and is subject to the controls that operating system provides.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

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## **Ordering information**

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This product is only available via Passport Advantage. It is not available as shrinkwrap.

### **Passport Advantage supply**

<b>Description</b>	<b>Part number</b>
HACP FOR MULTI V4 Media Pack Multilingual (Portuguese, French, Danish, Russian, Korean, Chinese — Simplified, Spanish, Norwegian Bokmal, Portuguese Brazilian, German, Swedish, Japanese, Chinese — Traditional, Hungarian, English US, Slovenian, Greek, Turkish, Dutch, Czech, Italian, Finnish, Polish) Apple Macintosh Operating System, Windows 2000, Windows 95, AIX V4, Windows XP, Solaris (Sun Microsystems), Windows Server 2003, OS/400 V5, Windows 98, Windows NT, Novell NetWare, AIX V5, Windows Me, HP-UX 11.x IBM 3480 Cartridge — 1/2 Inch CST 34K Kbp — Uncompressed V4.0.0	BM01YML



Description	Part number	Entitled maintenance offerings description	Media packs description	Part number
Media Pack Multilingual (Portuguese, French, Danish, Russian, Korean, Chinese — Simplified, Spanish, Norwegian Bokmal, Portuguese Brazilian, German, Swedish, Japanese, Chinese — Traditional, Hungarian, English US, Slovenian, Greek, Turkish, Dutch, Czech, Italian, Finnish, Polish) Apple Macintosh Operating System, Windows 2000, Windows 95, AIX V4, Windows XP, Solaris (Sun Microsystems), Windows Server 2003, OS/400 V5, Windows 98, Windows NT, Novell NetWare, AIX V5, Windows Me, HP-UX 11.x 4 mm Data Cartridge V4.0.0	BM01ZML	SCRNCUSTRUNT	Traditional, Hungarian, English US, Slovenian, Greek, Turkish, Dutch, Czech, Italian, Finnish, Polish) Apple Macintosh Operating System, Windows 2000, Windows 95, AIX V4, Windows XP, Solaris (Sun Microsystems), Windows Server 2003, OS/400 V5, Windows 98, Windows NT, Novell NetWare, AIX V5, Windows Me, HP-UX 11.x 4 mm Data Cartridge	
Media Pack Multilingual (Portuguese, French, Danish, Russian, Korean, Chinese — Simplified, Spanish, Norwegian Bokmal, Portuguese Brazilian, German, Swedish, Japanese, Chinese — Traditional, Hungarian, English US, Slovenian, Greek, Turkish, Dutch, Czech, Italian, Finnish, Polish) Apple Macintosh Operating System, Windows 2000, Windows 95, AIX V4, Windows XP, Solaris (Sun Microsystems), Windows Server 2003, OS/400 V5, Windows 98, Windows NT, Novell NetWare, AIX V5, Windows Me, HP-UX 11.x CD-ROM Digital Disk — ISO 9660 Standard V4.0.0	BM01XML	ENWKHOD 390  HSTACCSSUSER  PC400327  SCRNCUSTHSTI  SCRNCUSTRUNP  SCRNCUSTRUNT	HACP for Multi Multilingual (Portuguese, French, Danish, Russian, Korean, Chinese — Simplified, Spanish, Norwegian Bokmal, Portuguese Brazilian, German, Swedish, Japanese, Chinese — Traditional, Hungarian, English US, Slovenian, Greek, Turkish, Dutch, Czech, Italian, Finnish, Polish) Apple Macintosh Operating System, Windows 2000, Windows 95, AIX V4, Windows XP, Solaris (Sun Microsystems), Windows Server 2003, OS/400 V5, Windows 98, Windows NT, Novell NetWare, AIX V5, Windows Me, HP-UX 11.x CD-ROM Digital Disk — ISO 9660 Standard	BM01XML

**Passport Advantage customer: media pack Entitlement details**

Customers with active maintenance or subscription for the following products are entitled to receive the corresponding media pack.

**HACP for Multi V4**

Entitled maintenance offerings description	Media packs description	Part number	Entitled maintenance offerings description	Media packs description	Part number
ENWKHOD 390	HACP for Multi Multilingual (Portuguese, French, Danish, Russian, Korean, Chinese — Simplified, Spanish, Norwegian Bokmal, Portuguese Brazilian, German, Swedish, Japanese, Chinese —	BM01ZML	ENWKHOD 390	HACP for Multi Multilingual (Portuguese, French, Danish, Russian, Korean, Chinese — Simplified, Spanish, Norwegian Bokmal, Portuguese Brazilian, German, Swedish, Japanese, Chinese —	BM01YML
HSTACCSSUSER			HSTACCSSUSER		
PC400327			PC400327		
SCRNCUSTHSTI			SCRNCUSTHSTI		
SCRNCUSTRUNP			SCRNCUSTRUNP		

Entitled maintenance offerings description	Media packs description
SCRNCUSTRUNT	Traditional, Hungarian, English, US, Slovenian, Greek, Turkish, Dutch, Czech, Italian, Finnish, Polish) Apple Macintosh Operating System, Windows 2000, Windows 95, AIX V4, Windows XP, Solaris (Sun Microsystems), Windows Server 2003, OS/400 V5, Windows 98, Windows NT, Novell NetWare, AIX V5, Windows Me, HP-UX 11.x IBM 3480 Cartridge — 1/2 Inch CST 34K Kbpi — Uncompressed

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## Terms and conditions

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**Licensing:** IBM International Program License Agreement (IPLA). Proofs of Entitlement (PoE) are required for all authorized use.

Part number products only, offered outside of Passport Advantage, where applicable, are license only and do not include Software Maintenance.

**License Information (LI) form number:** L-DDCA-5NZSGF

**Limited warranty applies:** Yes

**Money-back guarantee:** If for any reason you are dissatisfied with the program, return it within 30 days from the invoice date, to the party (either IBM or its reseller) from whom you acquired it, for a refund. This applies only to your first acquisition of the program.

**Copy and use on home/portable computer:** No

**Volume orders (IVO):** No

**Passport Advantage applies:** Yes and through the Passport Advantage Web site at:

<http://www.ibm.com/software/passportadvantage>

**Usage restriction:** Yes

The program consist of WebSphere Host On-Demand, V8.0 (HOD) and IBM Personal Communications for Windows, V5.7 (PCOMM). The license to the program entitles you to use PCOMM or HOD at any time individually, but never concurrently. Your license to the program is conditioned on you not using PCOMM and HOD concurrently. References below to "program" in these "program-unique terms" shall mean either PCOMM or HOD. Except as modified herein, your use of the Program will be governed by the license that accompanies HOD or PCOMM, as applicable.

The program can be accessed and used by a single user, or multiple distinct users, directly or indirectly (for example, accessing the program via an intermediate machine or piece of software). The license to the program entitles only one user to access and use the program. If you want to allow multiple users to access and use the

program, you should acquire an additional license for each distinct user that you would like, directly or indirectly, to access and use the program. The total number of distinct users that access and use the program cannot exceed the total number of program licenses you have acquired.

The program includes portions of DB2 Connect. You are authorized to install and use one copy of these components only in association with your licensed use of PCOMM in accordance with the terms of the license that accompanies PCOMM.

Personal Communications for Windows V5.7 can be set up to work in a client/server relationship. In this case, one user license is required for each client that accesses the zSeries, iSeries, or ASCII host. If the server itself is used for emulation, a separate license is required. For additional restrictions, refer to the License Information document.

**Software maintenance applies:** Yes

Software Maintenance, previously referred to as Subscription and Technical Support, is now included in the Passport Advantage Agreement. Installation and technical support for the products announced in this letter is provided by the Software Maintenance offering of the IBM International Passport Advantage Agreement. This fee service enhances customer productivity by providing voice and electronic access into the IBM support organizations.

IBM includes one year of Software Maintenance with the initial license acquisition of each program acquired. The initial period of Software Maintenance can be extended by the purchase of a renewal option that is available.

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<http://www.ibm.com/software/passportadvantage>

**IBM Operational Support Services — Support Line:** No

**iSeries software subscription applies:** No

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## Prices

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### **Passport Advantage**

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<http://www.ibm.com/software/passportadvantage>

To order, contact the Americas Call Centers, your local IBM representative, or your IBM Business Partner.

To identify your local IBM Business Partner or IBM representative, call 800-IBM-4YOU (426-4968).

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