



IBM Host Access Client Package for Multiplatforms, V5 – IBM Personal Communications and IBM WebSphere Host On-Demand – Migrate to the Web at your own pace

Overview

The Host Access Client Package for Multiplatforms, V5 bundle adds product function, building from Host Access Client Package for Multiplatforms, V4.

Package elements

- Personal Communications for Microsoft™ Windows™, V5.8
- WebSphere® Host On-Demand V9

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.

Planned availability dates

- September 30, 2004 (electronic software delivery)
- October 22, 2004 (media and documentation)

At a glance

New in the Host Access Client Package for Multiplatforms

Personal Communications for Windows, V5.8:

- Support for Microsoft Crypto API (MSCAPI)
- Primary Interop Assemblies for .NET
- Support for 5250 Printer Association
- IPV6 support for Enterprise Extender
- Support for TN3270 contention resolution
- Federal Information Processing Standard (FIPS) compliance

WebSphere Host On-Demand V9:

- Database integration and enhancements
- Web Server Independence
- Support for Multiple Print Screen
- VT enhancements
- Macro enhancements
- WebSphere portlet improvements
- Support for TLS/SSL for Linux™ Redirector
- FIPS compliance (Java™ 2 only)

For ordering, contact:

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Reference: YE001

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Description

New for Personal Communications V5.8

Security enhancements

- **Microsoft Crypto API (MSCAPI)** support enables the use of the MSCAPI security package for secure Telnet sessions.
- **Certificate Migration** utility enables you to migrate certificates stored in the Certificate Management utility for use with the MSCAPI support.
- **Client certificate key usage** option enables users to specify which key usage and extended key usage values are required for a client certificate in a client authentication session.
- **Server authentication** enables the session to authenticate the server by matching the server name to the host or server certificate name.
- **Federal Information Processing Standard (FIPS) mode** feature, when enabled, ensures that only FIPS-approved ciphers are used in a secure connection.

Primary Interop assemblies (PIA) for .NET: Automation objects exposed by Personal Communications (PCOMM) can now be used by applications written in any language targeting the .NET framework. Managed .NET applications can program PCOMM by using the PIA, which wraps the automation objects provided with the product.

IPv6 Support for Enterprise Extender (EE): Support for EE is now enabled for IPv6 host name support for the EEDLC attachment. You can specify a host name when using either IPv4 or IPv6 addressing. This support is only available on Windows XP (SP1, or later) and Windows 2003.

5250 Printer Association: PCOMM supports the new 5250 Printer Association introduced in i5/OS V5R3. This feature allows dynamic association of a 5250 printer device to a 5250 display session. The 5250 client (PCOMM) can ask the iSeries host to associate a printer device when it requests a display LU name.

TN3270E connection resolution: PCOMM supports the TN3270E contention state resolution function described in the IETF TN3270E Functional Extensions Internet-Draft document. This function allows the 3270 host to indicate to the client that the host has finished updating the application screen.

Customize print session window appearance: For 3270 and 5250 printer sessions, you can customize the appearance of the session window to display printer session status and configuration information such as host connection status, printer setup, and page setup details. You can also specify a wallpaper image for the session window.

iSeries Data Transfer Utility long password support: The Data Transfer Utility, for 5250 only, now supports 128-character, case-sensitive profile passwords. It also supports the four QPWDLVL password levels.

Bidirectional enhancements

- The proper national session codepages, keyboard, and data transfer code page settings are now set by default according to system locale.
- Trace facility is now available for bidirectional-specific components.
- All fonts installed on a system are now available for Print Screen and Printer session.
- Display mode in a VT session with the Hebrew codepage can be changed among visual and logical without session restart.
- File transfer is now available in both logical and visual modes.

New for Host On-Demand V9.0

Productivity

Database integration and enhancements: Recognizing the need to integrate data stored in a database with data for a host application, emulator sessions can now perform SQL queries and upload files to a database. You can extract data from queries and use it within a macro, write the data to a file to be used with another application, or copy the data to the clipboard.

Other database enhancements include:

- Ability to store query results in XML format to provide better support for data exchange
- Improved compatibility with newer versions of Microsoft Excel
- Support for the administrator or user to filter tables to improve performance and limit user access to tables.

Multiple print screens: For 3270 sessions, you can now queue print jobs so that the user can collect them and send them to the printer at one time. When using Java 2, you can review and change the print collection before processing. Also, you can choose to use the Java print capabilities or expanded print capabilities such as writing to a PDF file or using printer definition tables that were formerly only available to host print sessions.

Macro enhancements: Continuing to expand the macro programming language, Host On-Demand includes these new functions:

- New actions for database access for database integration
- Ability to pass parameters into a macro to make macros even more dynamic
- Ability to specify prompt actions that can be marked as required
- Addition of library functions for common tasks such as searching for strings and formatting strings and numbers

In addition, because users often use more than one host session, you can now record and replay macros that interact with more than one session. For example, you can extract data from an inventory system running on one host and pass that data to a billing system running on a different host. Such extremely powerful macros can simplify repetitive tasks.

VT enhancements: To strengthen emulator support for VT hosts, Host On-Demand offers the following new productivity enhancements for VT sessions:

- Menu option to copy entire history window and ability to log the history window to a file
- Support for VT 420 command set
- VT font improvements
- Support for ANSI colors

Sharing and reusing transfer lists and SQL queries: Administrators and users can now share and reuse host file transfer lists, FTP transfer lists, and SQL queries between sessions. Administrators no longer need to reconfigure these objects for each individual session or HTML file, and users can share a single object across multiple sessions.

ZipPrint enhancements: With ZipPrint you can now cancel a print job, choose to print or not print the bottom line for the last page, and automate a way to specify key words, a top string, and a bottom string.

Security

TLS/SSL support for Linux Redirector: While previous versions of Host On-Demand provided secure connections to the Host On-Demand Redirector for Windows and AIX® servers, Host On-Demand V9 extends TLS/SSL support to Linux Intel™ and zSeries Linux platforms. System administrators can consolidate more function on one platform.

Support for Linux smart card: Linux clients on 32-bit Intel platforms can now use smart cards to authenticate the client to the host, providing the same function that was previously available only to Windows clients.

Web Express Logon enhancements: Web Express Logon, which enables users to access host systems and host applications without having to provide a user ID and password, now supports WebSphere Portal environments as well as 3270 environments that use client certificates for user authentication. In WebSphere Portal environments, you can configure Web Express Logon to use the Portal Server ID to retrieve the host credentials from the Portal Servers Credential Vault or from some other Host Credential Mapper database such as WebSphere DB2®. In 3270 application environments that use client certificates, you can configure Web Express Logon to automate the logon process using the certificates. This type of Web Express Logon is called Certificate-based Web Express Logon. Unlike Certificate Express Logon (formerly known as Express Logon Feature, or ELF), it does not require an Express Logon-enabled TN3270 server.

Hiding information from end users: To protect your host system better, you can now hide certain information that would normally be visible to your users, such as the destination address and port number.

SSH enhancements: To provide faster, more secure protection for your sensitive data, Host On-Demand now supports the Advanced Encryption Standard encryption algorithm, the latest data encryption standard developed by the National Institute of Standards and Technology. In addition, Host On-Demand now supports Keyboard-Interactive authentication to allow you to customize SSH server authentication using Pluggable Authentication Module plug-ins.

FIPS mode: This feature, when enabled, ensures that only FIPS-approved ciphers are used in a secure connection. The following Host On-Demand functions can operate in FIPS mode:

- Redirector
- Telnet connection from client to host
- SSH connection to host (with the use of a FIPS-compliant Java 2 Java Runtime Environment (JRE))
- iSeries Java Database Connectivity (JDBC) connection (with the use of a FIPS-compliant JRE)

FIPS mode is not available when running automating 3270 applications using the Web Express Logon function.

Technology

Redirector IPv6 support: To accommodate the increasing acceptance of Internet Protocol Version 6 (IPv6), the Host On-Demand Redirector supports IPv6 on Linux, AIX, Solaris, and some Windows platforms.

Host On-Demand portlet improvements: To integrate with WebSphere Portal more seamlessly, Host On-Demand V9 portlets offer the following improvements:

- Support for multiple Host On-Demand portlets on a page
- Ability to save preferences to Portal Server to allow for roaming
- GUI-based option to hide the Host On-Demand desktop (making only the emulator session visible)
- Better integration with other portlets on the page; for example, the ability to create a common look and feel by using the same font types and foreground and background colors

Usability

Web Server Independence: To eliminate the Web server as the single point of failure for users when accessing their host systems, Host On-Demand now offers Web Server Independence, which enables the Web Start client and the cached client to operate even when the Web server is unavailable. With this feature, files are retrieved from the Web server when the server is available and then stored locally. If the Web server becomes unavailable, users can use these files to access their host systems.

Keyboard remap enhancements: For clients with Java Development Kit (JDK) 1.4, or later, the key remap function now includes independent mappings for keys that are defined in more than one location on the keyboard; for example, the right and left Control keys and the Enter key on the main keyboard and the numeric keypad. These enhancements offer increased flexibility to users who want duplicate keys to behave independently.

Ready-to-use emulator clients: Host On-Demand provides a sample Deployment Wizard-generated HTML file that you can install to create a session definition to a 3270, 5250, VT, and FTP host. Users provide the correct destination address and any other connection-related properties to connect to their host system. This HTML sample file is useful as a quick demonstration of a working Host On-Demand emulator session or when you need to give users immediate access to host data.

z/OS® installation improvements: To allow you to customize the z/OS installation directory more easily, Host On-Demand now provides a single shell script that specifies the install directory. Because all other Host On-Demand shell scripts extract the installation directory from this one script, you no longer have to customize each shell script individually.

Accessibility by people with disabilities

Most common functions of Personal Communications:

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

Host On-Demand:

- 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
- Includes documentation in accessible HTML format

Product positioning

Host Access Client Package for Multiplatforms, V5 offers a migration path from traditional emulation to Web browser-based emulation. It focuses on TN5250, TN3270E, VT52/100/220/420, and CICS® applications support.

Within the WebSphere Host Integration Solution, WebSphere Host Access Transformation Services (HATS) also addresses this market. It is a server-side solution that runs on either the WebSphere Application Server or the WebSphere Portal Server. HATS makes your 3270 and 5250 applications available through the most popular

Web browsers, while 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.

Personal Communications

Personal Communications is a key client component of the IBM Host Integration portfolio for LAN, WAN, and remote access and connectivity. Personal Communications provides access to applications and data whether residing on mid-range or enterprise servers. Additionally, it 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.

Through the use of Enterprise Extender in Personal Communications, you can maintain the integrity of their SNA LU6.2/CPIC/APPC applications over IP. This capability is an IBM exclusive, both on desktops and in the communications servers that provide the gateway back into the SNA environment. You have the only solution that can solve the problem of transporting these SNA applications over an IP network.

WebSphere Host On-Demand

WebSphere Host On-Demand is intended for clients who want to provide secure, cost-effective host access to users in intranet- and extranet-based environments. Businesses can 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, VT52/100/220/420, 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 URL to the user's Web browser. Code maintenance, updates, and configurations reside on the Web server. Users are automatically notified of updates. 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, OS/2®, Linux, Apple Mac, or other supported workstation environments.

With a rich Java toolset, including Host Access Beans for Java and the API, you 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. 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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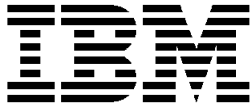
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IBM US Announcement Supplemental Information

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Offering Information

Product information is available via the Offering Information Web site

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

Also, visit the Passport Advantage® Web site

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

Publications

No publications are shipped with this product.

For access to the following information, visit

<http://publib.boulder.ibm.com/infocenter/hod9help>

- **Documentation.** All the Host On-Demand documentation, including the Program Directory and Javadoc.
- **Search.** A new and improved search function highlights your keywords in the search results.
- **Tutorials.** Step-by-step tutorials with detailed graphics walk you through how to use new Host On-Demand functions.
- **Troubleshooting.** Provides checklists, updated periodically with new information, to help you diagnose any problems you might experience.
- **Service and Support.** Links you directly to important Host On-Demand Web sites, Hints and Tips, the Software Support Bulletin, Downloads, and the Host On-Demand Newsgroup.

Technical information

Hardware requirements

Personal Communications for Windows™ V5.8

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, 32 MB recommended for Windows NT™ and Windows 98.
- 24 MB RAM minimum, 32 MB RAM recommended for Windows Millennium.
- 64 MB RAM minimum, 128 MB RAM recommended for Windows XP and Windows 2000 Professional.

- 128 MB RAM minimum, 256 MB RAM recommended for Windows 2000 Server and Advanced Server, and Windows Server 2003.
- 125 MB of fixed disk space minimum. Additional space may be required depending on the installation options selected.

System unit

IBM, or 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.

WebSphere® Host On-Demand V9

- For Windows platforms: 375 MB for one user interface language, plus an additional 8 MB for each additional 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-UNIXware: 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

Personal Communications for Windows, V5.8

- Windows 98
- Windows Millennium Edition
- Windows 2000 Professional, Server, and Advanced Server
- Windows XP Professional and Home Edition (32-bit)
- Windows NT 4 with SP™ 6, or later
- Windows Server 2003
- Terminal Services (Windows Terminal Server V4 and Windows Terminal Services for 2000 and XP)
- Citrix Metaframe 1.8 for Windows Terminal Server V4 and Windows 2000 Server
- Citrix Metaframe XP Presentation Server (Versions s,a,e) for Windows
- Microsoft™ SNA Server Client
- Communications Server for Windows NT/2000 V6.1.1 and V6.1.2 API Client
- Communications Server for Linux V6.2 Client on Windows
- Communications Server for Linux on zSeries® V6.2 Client on Windows

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- Communications Server for AIX V6.1

Personal Communications for Windows V5.8 communicates with the following types of servers or gateways:

- Communications Server for Windows V6.1.1 and V6.1.2
- Communications Server for Linux V6.2
- Communications Server for Linux on zSeries V6.2
- Communications Server for AIX V6.1
- Microsoft SNA Server V4 SP4
- Microsoft Host Integration 2000 Server V5

Miscellaneous software: Tivoli® Configuration Manager V4.2

WebSphere Host On-Demand V9

For servers:

- Windows NT 4.0 with SP6, or later
- 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 and Enterprise (32-bit)
- AIX 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, 6.5
- Sun Solaris 7, 8, 9
- OS/400® V5R1, V5R2, V5R3, and i5/OS V5R3
- OS/390® V2R10
- z/OS® V1R2, V1R3, V1R4
- HP-UX 11.0, 11i
- Red Hat Enterprise Linux AS 2.1 and 3.0
- Red Hat Linux 9.0 Personal and 9.0 Professional
- SUSE LINUX 8.0, 8.1 Professional, 8.2, 9.0
- SCO-Caldera OpenLinux Workstation 3.1.1
- SCO-Caldera OpenLinux Server 3.1.1
- SCO Linux 4.0
- Turbolinux 8.0 Workstation and Server

Note: The version that supports Linux on S/390® and Linux on zSeries is the same as listed for Red Hat, SUSE, Caldera, and Turbolinux.

For clients:

- Windows 98
- Windows Millennium Edition
- Windows NT 4.0 with SP6, or later
- Windows 2000 (Professional)
- Windows XP Professional and Home Edition (32-bit)
- Windows Server 2003 Enterprise, Standard and Web (32-bit)
- AIX 5L 5.1, 5.2
- OS/2 Warp 4

- Sun Solaris 7, 8, 9
- HP-UX 11.0, 11i
- Red Hat Enterprise Linux AS 2.1 and 3.0 (WS, ES, AS)
- Red Hat Linux 9.0 Personal and 9.0 Professional
- SUSE LINUX 8.0, 8.1 Professional, 8.2, 9.0
- SCO-Caldera OpenLinux Workstation 3.1.1
- SCO-Caldera OpenLinux Server 3.1.1
- Turbolinux 8.0 Workstation and 8.0 Server, Turbolinux 10 Desktop
- Windows NT Server 4.0 Terminal Server Edition and Windows Terminal Services for Windows 2000 and Windows 2003
- 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 and 10.3

Note: A local client is supported only on Windows 32 platforms (Windows XP, Windows 2003, Windows 2000, Windows NT, Windows Millennium, and Windows 98).

For browsers:

- Netscape Navigator 4.7, 6.1, 6.2, 7.0, 7.1
- Netscape Navigator (OS/2) 4.61
- IBM Web Browser for OS/2 V2.01
- Microsoft Internet Explorer 4.01, 5.01, 5.5, 6.0
- Mozilla 1.0.2, 1.4.0, 1.4.1
- 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, 1.4.2
- Java™ Plug-in 1.3.1, 1.4.0, 1.4.1, 1.4.2 (IBM, Sun, HP)

For development environments:

- WebSphere Studio Application Developer V5.0, V5.1
- Borland/Inprise JBuilder V8.0

For Web servers:

- iPlanet Web Server Enterprise Edition V6.0
- IBM HTTP Server V1.3.28, V2.0.42, V2.0.47
- Microsoft IIS 4, 5, 5.1, 6
- Apache HTTP Server 1.3, 2.0
- Lotus® Go V4.6
- Lotus Domino™ R6, R6.5

For LDAP servers:

- IBM Directory Server V4.1, V5.1, V5.2
- Netscape Directory Server V4.0 (both on Windows NT and AIX), V6.11 (Windows NT, Windows 2000, Sun, and HP-UX 11i)
- IBM LDAP Server running on OS/390 V2R10
- IBM LDAP Server running on z/OS V1R2, V1R3, V1R4

For Web application servers:

- WebSphere Application Server V5.0, V5.0 Express, V5.0.2, V5.1
- iPlanet Application Server V6.0
- Lotus Domino R6

For Web Express Logon:

- Tivoli Access Manager for e-business V4.1, V5.1
- Netegrity SiteMinder V5.5
- DB2 Universal Database® V7, V8

Miscellaneous software:

- WebSphere Portal for Multiplatforms V4.1, V4.2, V5.0
- Acrobat Reader (or Acrobat) V5.0, V6
- CICS® Transaction Gateway V5.1, or later

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

Limitations: WebSphere Host On-Demand V9

- Because terminal and printer devices require a specific language codepage to process data correctly, data between different language-dependent devices may not be completely compatible.
- VT52, VT100, VT220, and VT420 emulation supports single-byte character set (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 enabled for the symbol. The print screen function or the Host print in Windows printer driver mode requires that the browser and underlying operating system be enabled for the euro currency symbol.
- To use the Native Authentication feature, you must install Host On-Demand on the same machine that you want to authenticate against. Native Authentication is supported only on Windows NT, AIX, and zSeries platforms.
- In a Java 2 client environment:
 - HOD.HTML cannot run some functions without modification.
 - With the Java 2 download client, a user cannot download a Host On-Demand client component that is not in the original preload list. Consequently, you must specify all the components that your users might require in the preload list.
- In addition to the limitations 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
- Note: You must use the Java Control Panel to remove the cached client. HODRemove.html is not supported on the Mac.
- Beans and HACL applications developed using the Host Access Toolkit cannot use the FIPS-certified SSL code for the Telnet connection if the custom application is to be deployed in an Enterprise Application Archive (EAR) or Web Application Archive

(WAR) file. For these environments, the non-FIPS-certified SSL jar must be used.

- Host On-Demand V9 is not supported on Windows 95.

Personal Communications V5.8

- VT Emulation supports SBCS only.
- MCA communications adapters are not supported.
- AnyNet® is not enabled for IPv6 addressing support. IPv6 addressing support is limited to Windows XP SP1, or later, and Windows 2003 operating platforms.
- The SNA Node Configuration Preference support introduced in Personal Communications V5.7 is limited to use on the Windows 2000, Windows XP, and Windows 2003 operating platforms.
- Personal Communications V5.8 is not supported on Windows 95.
- QEL/MU connectivity is no longer supported in Personal Communications V5.8.

Planning information

Personal Communications for Windows, V5.8 planning: Install and configure Personal Communications for Windows, V5.8.

Follow the installation instructions. Then use the online help for more detailed information about configuring Personal Communications for Windows to allow users to access host sessions.

Host On-Demand V9 planning: Install a Java Development Kit (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.

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. Some models, if selected, will require you to configure the service manager port and optionally 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 can do so 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 Host On-Demand installation, you can choose to have the configuration servlet installed and configured on i5/OS, OS/400, Windows, AIX, Linux, Solaris, and HP-UX if WebSphere Application Server is detected. 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. After 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, Windows 2000, Windows XP, Windows 2003, AIX, Linux Intel™, or Linux for zSeries, 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. 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 V9 has upgraded to the CICS Transaction Gateway (CTG) V5.1 client package. Therefore, to run a Host On-Demand CICS Gateway session, you must be running CTG V5.1, 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, or V5R3.

Packaging: Host Access Client Package for Multiplatforms V5 media packages are distributed with the following materials:

- Passport Advantage media pack pointer sheet
- Passport Advantage pull model flyer
- International Program License Agreement (IPLA) Booklet (generic)
- HACP V5 License Information booklet (hardcopy license)
- IPLA pointer sheet (generic)
- Information Center flyer
- Host On-Demand V9 and PCOMM V5.8 content flyer
- Host Access Client Package tape media order form
- Affirmative computing insert
- Host On-Demand V9 service key card
- PCOMM V5.8 service key card
- Four CD-ROMs for Personal Communications for Windows, V5.8:
 - Multilingual
 - Korean
 - Simplified Chinese
 - Traditional Chinese
- One CD-ROM for DB2 Connect® V8.1 for Personal Communications for Windows, V5.8
- Nine CD-ROMs for WebSphere Host On-Demand V9:
 - Windows, OS/400
 - AIX
 - HP-UX
 - Linux Intel
 - Linux PPC, Linux iSeries™

- Linux zSeries
- Solaris
- OS/2, Novell
- Toolkit

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

- Three 3480 tapes
- Three 4 mm tapes

Service key cards for eGA customers

For customers receiving the product by the electronic software delivery option, you need to register with the IBM Software Internet Service Delivery site. This site enables you to download service updates directly from the Internet. You need to request a service key after registering to access downloads from this site. To request Host On-Demand and/or Personal Communications service keys, e-mail your request to enetwork@us.ibm.com with "Subject: Passport Advantage Service Key Request" and indicate the product version required. The service key will be returned to your e-mail address.

Security, auditability, and control

Host Access Client Package for Multiplatforms V5 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.

Ordering information

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

Product information

Licensed function title	Product group	Product category
Host Access Client Package	App Integration Middleware Other	App Integration Middleware Other

Passport Advantage program licenses

HACP Multi

Part description	Part number
Host Access Client Package	
HACP for Multi Users SW	E1BGELL
Maintenance Annual Renewal	
HACP for Multi Users Li & SW	D5D27LL
Maint 12 Months Trade-up	
HACP for Multi Users License & SW Maintenance 12 Months	D5BGCLL
HACP for Multi Users SW	D5BGFLL
Maintenance Reinstatement 12 Months	

Tradeups to Host Access Client Package for Multiplatforms are available from any full-function IBM or non-IBM 3270 or 5250 emulator product.

Passport Advantage supply

Program name/description	Part number	Program name/description	Part number
HACP Multi V5.0.0			
Media Pack Multilingual (Chinese — Simplified, English U.S.) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Opensever, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk —ISO 9660 Standard V5.0.0	BM02USC	Media Pack Multilingual (French, Danish, Russian, Korean, Chinese — Simplified, Spanish, Norwegian Bokmal, Brazilian Portuguese, German, Swedish, Japanese, Chinese — Traditional, Hungarian, English US, Slovenian, Greek, Turkish, Dutch, Czech, Italian, Finnish, Polish) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Opensever, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers 4 mm Data Cartridge V5.0.0	BM02WML
Media Pack Multilingual (Chinese — Traditional, English U.S.) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Opensever, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk —ISO 9660 Standard V5.0.0	BM02UTC	Media Pack Multilingual (French, Danish, Russian, Korean, Chinese — Simplified, Spanish, Norwegian Bokmal, Brazilian Portuguese, German, Swedish, Japanese, Chinese — Traditional, Hungarian, English US, Slovenian, Greek, Turkish, Dutch, Czech, Italian, Finnish, Polish) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Opensever, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk —ISO 9660 Standard V5.0.0	BM02UML
Media Pack Multilingual (English U.S., Italian) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Opensever, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk —ISO 9660 Standard V5.0.0	BM02UIT	Media Pack Multilingual (French, Danish, Russian, Korean, Chinese — Simplified, Spanish, Norwegian Bokmal, Brazilian Portuguese, German, Swedish, Japanese, Chinese — Traditional, Hungarian, English US, Slovenian, Greek, Turkish, Dutch, Czech, Italian, Finnish, Polish) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Opensever, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers IBM 3480 Cartridge — 1/2 Inch CST 34K Kbpi — Uncompressed V5.0.0	BM02VML
Media Pack Multilingual (English U.S., Polish) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Opensever, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk —ISO 9660 Standard V5.0.0	BM02UPL		

Program name/description	Part number	HACP Multi V5.0.0	Entitled maintenance offerings description	Media packs description	Part number
Media Pack Multilingual (French, English US) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Openserver, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk —ISO 9660 Standard V5.0.0	BM02UFR		ENETWORK PCOMM AND HOST ON DEM	HACP Multi Multilingual (Chinese — Simplified, English U.S.) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Openserver, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BM02USC
Media Pack Multilingual (German, English U.S.) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Openserver, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk —ISO 9660 Standard V5.0.0	BM02UDE		ENETWORK PCOMM AND HOST ON DEM	HACP Multi Multilingual (Chinese — Traditional, English U.S.) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Openserver, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BM02UTC
Media Pack Multilingual (Japanese, English U.S.) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Openserver, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk —ISO 9660 Standard V5.0.0	BM02UJA			HACP Multi Multilingual (English U.S., Italian) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Openserver, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BM02UIT
Media Pack Multilingual (Korean, English US) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Openserver, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk —ISO 9660 Standard V5.0.0	BM02UKO		ENETWORK PCOMM AND HOST ON DEM		

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Entitled maintenance offerings description	Media packs description	Part number	Entitled maintenance offerings description	Media packs description	Part number
ENETWORK PCOMM AND HOST ON DEM	HACP Multi Multilingual (English U.S., Polish) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Openserver, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BM02UPL	ENETWORK PCOMM AND HOST ON DEM	HACP Multi Multilingual (French, Danish, Russian, Korean, Chinese — Simplified, Spanish, Norwegian Bokmal, Brazilian Portuguese, German, Swedish, Japanese, Chinese — Traditional, Hungarian, English U.S., Slovenian, Greek, Turkish, Dutch, Czech, Italian, Finnish, Polish) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Openserver, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BM02UML
ENETWORK PCOMM AND HOST ON DEM	HACP Multi Multilingual (French, Danish, Russian, Korean, Chinese — Simplified, Spanish, Norwegian Bokmal, Brazilian Portuguese, German, Swedish, Japanese, Chinese — Traditional, Hungarian, English U.S., Slovenian, Greek, Turkish, Dutch, Czech, Italian, Finnish, Polish) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Openserver, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers 4 mm Data Cartridge	BM02WML	ENETWORK PCOMM AND HOST ON DEM	HACP Multi Multilingual (French, Danish, Russian, Korean, Chinese — Simplified, Spanish, Norwegian Bokmal, Brazilian Portuguese, German, Swedish, Japanese, Chinese — Traditional, Hungarian, English U.S., Slovenian, Greek, Turkish, Dutch, Czech, Italian, Finnish, Polish) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Openserver, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers IBM 3480 Cartridge — 1/2 Inch CST 34K Kbpi — Uncompressed	BM02VML

Entitled maintenance offerings description	Media packs description	Part number	Entitled maintenance offerings description	Media packs description	Part number
ENETWORK PCOMM AND HOST ON DEM	HACP Multi Multilingual (French, English U.S.) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Openserver, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BM02UFR	ENETWORK PCOMM AND HOST ON DEM	HACP Multi Multilingual (Korean, English U.S.) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Openserver, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BM02UKO
ENETWORK PCOMM AND HOST ON DEM	HACP Multi Multilingual (German, English U.S.) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Openserver, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BM02UDE	<hr/> Terms and conditions <hr/>		
ENETWORK PCOMM AND HOST ON DEM	HACP Multi Multilingual (Japanese, English U.S.) Apple Macintosh Operating System, Windows 2000, Windows XP, Solaris (SUN Microsystems), Windows Server 2003, Linux for zSeries Enterprise Servers (Mainframes), OS/400 V5.x, SCO Openserver, Windows 98, Windows NT, Novell Netware, AIX V5.x, OS/2 Warp V4.x, Windows Me, Other, HP-UX 11.x, Linux for x86Series Intel-based servers CD-ROM Digital Disk — ISO 9660 Standard	BM02UJA	<p>Licensing: IBM International Program License Agreement. Proofs of Entitlement (PoE) are required for all authorized use.</p> <p>Part number products only, offered outside of Passport Advantage, where applicable, are license only and do not include Software Maintenance.</p> <p>License information form numbers</p> <ul style="list-style-type: none"> • Program name: HACP Multi • Program number: 5724-I20 • Form number: L-DDCA-636MZC <p>Limited warranty applies: Yes</p> <p>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.</p> <p>Copy and use on home/portable computer: Yes</p> <p>Volume orders (IVO): No</p> <p>Passport Advantage applies: Yes and through the Passport Advantage Web site at http://www.ibm.com/software/passportadvantage</p> <p>Usage restriction: Yes</p> <p>Host Access Client Package for Multiplatforms, V5.0</p> <p>The program consists of WebSphere Host On-Demand (HOD), V9.0 and Personal Communications for Windows (PCOMM), V5.8. The license to the program entitles you to use PCOMM or HOD at any time individually, but never concurrently. Your license to use the program is conditioned on you not using PCOMM and HOD concurrently. References 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.</p>		

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- The DB2 Connect components can only be used with PCOMM.

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The program contains Host Access Beans for Java, Host On-Demand J2EE Connector, Host Access Class Library, Programmable HOD, and Session Manager API (each referred to below as components) that, subject to this Agreement, may be used by you in other products within your enterprise. Both the JavaBeans and Host Access Class Library can be found in the Host On-Demand Toolkit CD-ROM. This CD-ROM can be found in the program packaging along with the Host On-Demand CD-ROM.

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