Secure Java-based access to your mission-critical information

IBM

IBM eNetwork Host On-Demand Version 3

Reduce your operational costs
To be competitive in today's fast-paced global environment, you need to give new classes of users – such as business partners, suppliers and customers – realtime access to your enterprise applications and data. IBM® eNetwork™ Host On-Demand Version 3 (Host On-Demand) uses Java™ technology to cost-effectively extend your network to new users, eliminating the need for intermediate support. Users can start Host On-Demand from any Java-supported browser, then click on their host application of choice and enjoy a full-function emulation session.

Highlights

Extends the reach of your enterprise's mission-critical information with Java-based host access

Supports TN3270E, TN5250, VT52/100/220 and CICS Gateway for Java access in a single package

Lets you quickly create new e-business applications using the Host Access Class Library API and the new host access beans for Java

Allows you to access multiple hosts concurrently and still use your browser to surf the Internet

Provides secure access across the Internet with SSL-based technology

Installs on a server, simplifying maintenance, distribution and upgrades
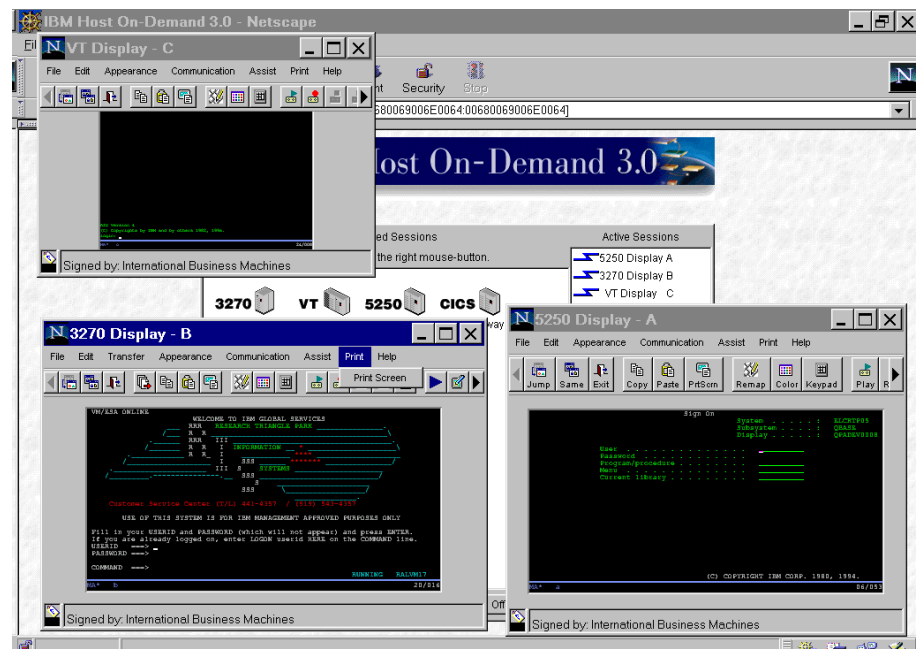
Incorporates standard desktop features and advanced utilities, such as file transfer and host print

Provides a default graphical user interface for users unfamiliar with traditional host screens

Runs on any operating system that supports the Java Virtual Machine (JVM)

With Host On-Demand, you can access multiple 3270, 5250 and VT hosts concurrently with a single interface.

Support for TN3270E, TN5250, VT52/100/220 and CICS® Gateway for Java access in a single package means your users have a consistent interface for key enterprise applications. Users can also access AS/400® databases and share the data results with other applications.

As you extend your reach to new users, you may be concerned whether they will be comfortable using host applications. With Host On-Demand, users can choose to use a new default graphical user interface (GUI) which automatically masks the host screens, simplifying the user's experience.

Host On-Demand is based on industry standards, so you will never be locked into a particular solution. Because Host On-Demand uses Java, you don't have to spend time or money developing unique solutions for different user environments. Your software deployment and maintenance costs are minimized. Users need only a standard Web browser to access enterprise applications, and their interface is the same across different platforms, reducing training time and expense. To further increase your return on investment, Host On-Demand is Year 2000 ready[1], helping assure that your enterprise will not be faced with unnecessary expense as you move into the 21st century.

Be secure in the Internet world
Host On-Demand uses secure sockets layer (SSL) technology, affording extra security for transmission of sensitive information. Your mobile users can access their key intranet data and applications from any Internet access point. A secure SSL connection is made with the server, so you can establish sessions with any intranet host or hosts without worrying about who might be looking over your shoulder.

Simplify software deployment and maintenance
Host On-Demand employs Java-based coding, so installing and configuring terminal emulation software on each individual workstation is a thing of the past. User disk space is conserved. For systems administrators, installation and upgrades on one server – rather than on multiple workstations – are faster and easier. And, with Version 3, administrators can keep a count of concurrent Host On-Demand users and determine the highest number of concurrent users during a given period. Support personnel don't have to spend time deciphering each individual computer's setup, significantly lowering helpdesk costs. Yet your users can be assured of using the newest version of Host On-Demand, simply by reloading the applet from the server. Users who need local copies of the Host On-Demand applet and configuration files can install the software on their workstations.

Connect directly to any Telnet server
With Host On-Demand, the emulation functionality is contained in the client applet. This eliminates the need for and expense of a middle tier server, which can be both a performance and security issue. Once the applet is served to the client, the client can directly connect to any standard Telnet server that provides the best access to the required data, and that connection can be changed as often as a user's requirements for new data changes.

You can access an unlimited number of host sessions concurrently. Because no middle tier server is required, you are not restricted by its capacity. Redirector support allows you to change the Telnet server to which you're connected as often as necessary.

Customize for your enterprise
With Host On-Demand, you can maximize your return on investment by creating new e-business applications using existing host data. Host On-Demand provides a rich set of Java-based programming tools based on industry standards.

With the Java-based Host Access Class Library application programming interface (API), you can create new e-business applications that draw from multiple host data sources and combine the applications into a single GUI, without changing the host applications. When a user connects to the host by selecting a customized application, that same connection can be used to update all the host data sources in the application at once. Productivity increases because users don't have to constantly jump from one system to another to get the data they need.

Host On-Demand Version 3 contains components called host access beans for Java that further enhance programming support. This set of beans provides emulator functions including communication control, screen recognition, display functions, macro capability, keyboard remapping, file transfer and color remapping. You can use these beans to rapidly deliver the specific emulator functions you need for your e-business applications. And, because they are object-oriented, you can minimize development expense through reuse.

Users who are unfamiliar with the traditional host screens can use the new simplified GUI, which dynamically converts each host screen to a graphical presentation. You can customize the GUI screens to meet your specific business needs, using separate ResQ!Net for Host On-Demand[2] products[3]. No programming or scripting is required.

Maximize your productivity

As a full-function emulator, Host On-Demand includes standard desktop application features, such as copy, cut and paste. Support is also provided for more sophisticated data transfers and host data access. With Host On-Demand Version 3, you can print screens and 3270 host output to any local or network printer you choose. With keyboard mapping capabilities, new color mapping and macro record and playback support, you can tailor your host access sessions to meet your needs.

Host On-Demand Version 3 simplifies host session access. You can bypass the Host On-Demand logon process by creating a bookmark for a page. Administrators can create a Hypertext Markup Language (HTML) page that automatically launches a preconfigured, customized session.

Manage with eNetwork On-Demand Server

With eNetwork On-Demand Server, you can manage Host On-Demand within your overall desktop environment. eNetwork Host On-Demand Version 3 *Specially Developed for eNetwork On-Demand Server* (included with Host On-Demand Version 3) provides all the Host On-Demand functionality and takes advantage of On-Demand Server services to:

- Define users and groups and control access to Host On-Demand
- Monitor Host On-Demand license usage across the network
- Record log and trace events
- Allow users to launch Host On-Demand from a Web-enabled desktop

The eNetwork On-Demand Server is a multiplatform server solution for advanced, centralized deployment and management of Java-based software in a network computing environment. It enables on-demand delivery of network computing applications, with enterprise-class administration and operation.

International language support

Host On-Demand is multilingual and is available in twenty-one languages, including double-byte languages. Support for the new European currency symbol, as well as keyboard and code-page support for many more languages, is provided. All language versions are available on the same media, and multiple language versions can be accessed concurrently, making it a truly international product.

For more information

For more information on Host On-Demand and other eNetwork products, visit our Web site at *www.software.ibm.com/enetwork*.

IBM eNetwork Host On-Demand Version 3 at a glance

Hardware requirements
- Server – 150MB server disk space, with sufficient processor speed and memory to run a complex browser or Java environment
- Client – PC or workstation computer with sufficient processor speed, memory and disk to run a complex browser or Java environment

Software requirements
Can be installed on the following servers, which must have a Java Virtual Machine (JVM) 1.1:
- Windows NT® 4.0 with SP3 or higher
- AIX® Version 4.2 or higher
- OS/2® Warp Version 4 and Warp Server
- Novell Netware Version 4.x
- Sun Solaris SunOS Release 2.5.1
- OS/400® Version 4.2 or higher
- HP-UX 10.20
- Server OS/390®
  - OS/390 Release 1 (5645-001) or higher
  - A Web server
  - Java for OS/390 Version 1.1.4 (5655-A46) or higher
  - IBM TCP/IP Version 3 Release 2 for MVS® (5655-HAL) or higher

Supported on the following desktop platforms when downloaded from a server: Windows® 95[4], Windows 98[4], Windows NT 4.0 with SP3 or higher[4], AIX Version 4.2 or higher, OS/2 Warp Version 4, HP-UX 10.20, Solaris 2.5.1

Browser requirements
Browser with JVM 1.1 or higher is required. Because browser vendors continually improve the JVM functions that Host On-Demand uses, we strongly recommend using the latest supported level of the browser.

Tested browsers for applet download (remote server access) include:
- Netscape Navigator 4.06 or higher, with JVM 1.1.5, or higher (Windows, AIX, UNIX®)[5]
- Netscape Navigator 2.02 or higher, with JVM 1.1.6, or higher (OS/2)
- Microsoft® Internet Explorer 4.01 with SP1® or higher (Windows, AIX, UNIX)[5]
- Sun HotJava™ 1.1.4 or higher (Windows, AIX, UNIX)[5]

Host On-Demand Version 3
Specially Developed for eNetwork On-Demand Server

Requirements
On-Demand Server must be installed on your operating system before you install Host On-Demand Version 3 *Specially Developed for eNetwork On-Demand Server*. The only other requirement to run Host On-Demand Version 3 *Specially Developed for On-Demand Server* is an additional 150MB server disk space. There are no additional hardware or software requirements.

[1] Year 2000 ready means that the IBM product, when used in accordance with IBM-associated documentation, is capable of correctly processing, providing and/or receiving date data within and between the twentieth and twenty-first centuries, provided that all other products (for example, hardware, software and firmware) used with the IBM product properly exchange accurate date data with it.

[2] ResQ!Net for Host On-Demand products are developed by Advanced Transition Technologies and sold by IBM.

[3] Host On-Demand Version 3 *Specially Developed for eNetwork On-Demand Server* does not support customization of the GUI screens using the ResQ!Net for Host On-Demand products.

[4] Windows 32-bit operating systems are also supported for local client installations.

[5] These browsers have been tested on locally-installed clients as well.

For Position Only

G325-3738-02