IBM Host On-Demand

Emulation on demand
Simply click on an SNA application hyperlink, and Host On-Demand dynamically downloads the latest release of its Java-based TN3270 emulator to your computer.

Java-based
A significant advantage of Host On-Demand's approach is the ability to receive dynamic real-time screen updates from your SNA application. This capability is typically not available from HTML mappers.

Customized 3270 windows
You can open Host On-Demand's 3270 windows within your existing Web-browser window or as a new window on your desktop.

Multiple sessions
Host On-Demand provides multiple-session support, so you can concurrently access multiple 3270 applications.

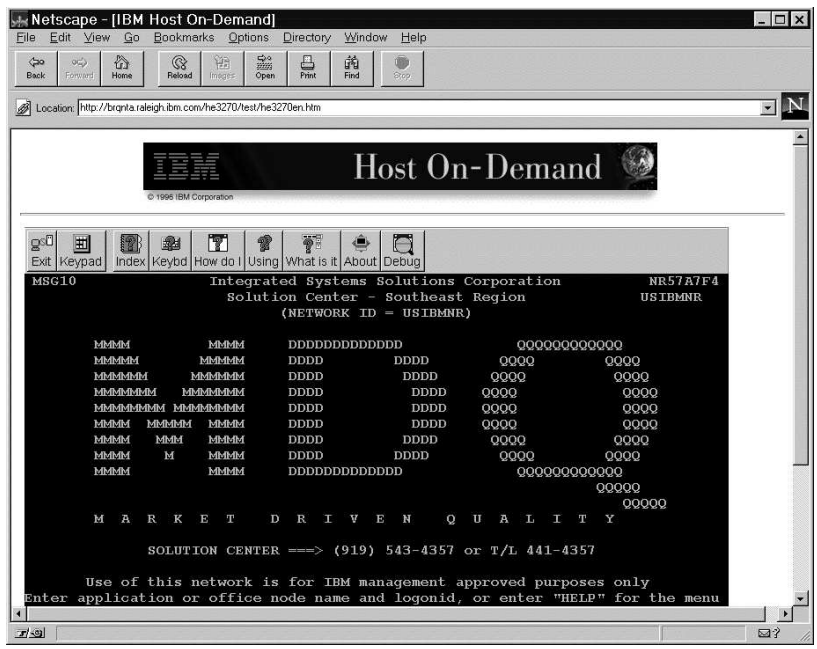
Persistent connections
Host On-Demand's persistent connection provides several significant advantages over HTML mapping approaches.

- Better network security
- Reduced network traffic
- Dynamic screen updates
- Improved response time

Platform flexibility
Host On-Demand is available for a wide range of major server platforms, including OS/2, AIX, NetWare, and Windows NT. Host On-Demand supports any Java-enabled client platform.

Security
Employ existing Web techniques, such as requiring a user ID and password or implementing firewall filters. In addition, you're able to use traditional central computer security mechanisms, such as Resource Access Control Facility (RACF) and ACF2.

Investment protection
Integrate intranet/Internet with SNA applications and data without expensive and time-consuming programming. No need to make changes to your existing SNA applications. No programming is needed to



Welcome to IBM Host On-Demand

IBM Host On-Demand is an Internet-to-SNA inter-connectivity solution that provides 3270 application discovery and access through the WWW. Web users needing host applications, such as public catalogs, software applications, databases, or other resources, can use Host On-Demand from inside their Java-enabled Web browsers to access central computer data. For Web-oriented users with occasional need for central computer access, Host On-Demand provides an alternative to installing a terminal emulation program on the desktop. Host On-Demand brings network computing to the Web by enabling Web browsers to seamlessly access non-Internet-based content and services.

Host On-Demand uses the Java environment and native TN3270 and Internet protocols to provide platform-independent host access from within a Web-browser window. Host On-Demand integrates existing central computer data and resources with intranet, Internet, and Web capabilities. The result is dramatically increased availability of host-based

IBM Complementary Solutions

IBM offers a wide range of host access solutions to meet the various needs found in today's heterogeneous networks. IBM solutions related to Host On-Demand are described briefly below; more detailed information can be accessed via the Web at http://www.ibm.com.

The IBM Customer Information Control System (CICS) Internet gateway provides an application specific solution for Web users who need access to CICS applications. Knowledge of the specific application being accessed enables the CICS Internet gateway to enable host application-unique functionality to World Wide Web users. The CICS Gateway for Java allows a Java-enabled web browser or network computer to download a Java applet and transparently access CICS data and applications.

The IBM DB2 WWW Connection and its follow-on product IBM Net.Data provide Web users with open Internet access to host-based databases. Knowledge of the specific type of application being accessed enables the DB2 WWW Connection to optimize Web access to database applications. IBM Net.Data provides access to dynamic database data and application development functions to further enhance database access for Java-enabled Web users.

The IBM Personal Communications (PCOMM) products, the IBM premier line of communication clients, provide access to host data and applications over SNA, TCP/IP, and IPX/SPX networks. PCOMM also provides an application platform, with a rich set of SNA APIs. To complement the APIs, PCOMM multiprotocol support allows SNA and Sockets applications to run unchanged over either SNA or TCP/IP networks. PCOMM includes 3270, 5250, TN3270, and TN5250 emulators. PCOMM combines an easy-to-use graphical user interface with powerful tools and features to enhance user productivity.

Host On-Demand complements these offerings by providing a general-purpose, Java-based TN3270 solution that offers SNA application discovery and access for Web-based users.

In most cases a combination of these solutions will be implemented within the enterprise:

- The CICS Internet gateway, to optimize Web browser access to CICS applications
- The DB/2 WWW Connection, to optimize Web browser access to database applications
- Personal Communications, for users who need advanced application support and networking capabilities or who would benefit from the user productivity enhancements found in PCOMM
- Host On-Demand, to provide Web users with access to host applications not being supported by one of the application-specific gateway products

For more Information

For more information about IBM, its products, services, and technology, you can access the IBM Home Page at http://www.ibm.com

The fastest, easiest way to get information about IBM software is to visit the IBM Software Home Page at http://www.software.ibm.com

For more information about the IBM Communications Server family, you can access http://www.raleigh.ibm.com/ecf/ecfover.html

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