

Reflection® for IBM® is terminal emulation software that connects Windows® users to applications on IBM mainframe and AS/400 systems. But Reflection does more than make your host connections. It also provides an advanced set of administrative, security, and customization capabilities—all designed to cut the complexity of desktop management.

Host Types

IBM mainframe (3270)
IBM AS/400 (5250)

Emulation Types

IBM mainframe:
- 3179, 3179-G, 3180, 3192-G, 3196, 3197, 3270, 3278, 3279, 3472-G, 3476, 3477, 3486, and 3487

IBM AS/400:
- 5250, 5251, 5291, and 5292

Network Protocols

IBM mainframe:
- 802.2 (DLC)
- Coax DFT
- IBM Communication Server
- LUA
- Microsoft®SNA Server
- NetWare®for SAA® via IPX/SPX
- NetWare for SAA via TCP/IP
- SDLC
- LU 6.2 (APPC)
- TN3270 and TN3270E
- HiT ODBC/DB2 Lite driver

IBM AS/400:
- 802.2 (DLC)
- IBM Communication Server
- Microsoft SNA Server
- MPTN (AnyNet)
- NetWare for SAA
- LU 6.2 (APPC)
- TN5250 and TN5250E
- HiT ODBC/400 Lite driver

File Transfer

- NEW** File browsing on TSO hosts with no host-side intrusion or modification
- NEW** SSL encryption for AS/400 LIPI file transfers
- NEW** Management of FTP client settings via Reflection Administrator
- NEW** Support for IPv6 networks in the FTP client
- NEW** Ability to save FTP client sessions in Layouts
- NEW** Change UNIX file permissions with FTP client
- NEW** Move settings to configuration files

NEW FTP file transfer in the UI

FTP client:
- Support for a wide variety of FTP servers (UNIX, NetWare, Unisys, HP 3000, IBM mainframe, AS/400, and OpenVMS)
- Site-to-site transfer between FTP servers
- FTP site wizard
- Export/import settings in XML format
- Wildcard filters
- Automation tools (script recorder and Microsoft OLE Automation)
- SSL/TLS encryption for FTP file transfers
- Kerberos 5 authentication

IND\$File, DISOSS, SQL data query, batch-file transfer, and APVUFIL

Printing

3287, 3812, 3912, and 5553 printer emulation
Pre-printed form support
Print screen with consolidated screen-printing utility
Host Print Transform
Duplex printing
LPD

Programming and Automation

- NEW** Session-order feature
- One session file for settings and macros
- Microsoft Visual Basic® for Applications (VBA 6.4)
VBA-macro output available in VB.NET and C# (.NET)
VBA-macro sharing
Macro-recorder support for VBA and Visual Basic
Programmatic access to over 400 properties and methods via Reflection API
- DOS HLLAPI, HLLAPI, eHLLAPI, WinHLLAPI, IMAPI, CPI-C, and WinAPPC
- Microsoft OLE Automation 2.0 Controller and server capability
- Reflection Basic
Programmable events
- Run Reflection as an ActiveX® control within a VB or VB.NET application
- Microsoft Dynamic Data Exchange

User Interface

- NEW** Redesigned to simplify batch-file transfers and improve access to file-transfer settings
- NEW** Customizable screen sizes
- Font sizing
- Removable title bar
- 3270 word wrap
- FTP toolbar button
- Connection wizard
- Customizable toolbars and menus
- Dynamic hot spots
- Graphical keyboard mapping
- Mouse mapping (2- and 3-button)
- Resizable terminal keyboard
- Full color editing
- HTML Help in the customization tools

WHAT'S NEW IN 13.0?

- Single sign-on provides secure access to all approved hosts and servers with one convenient password.
- WRQ FTP client enhancements make it easy to configure, deploy, and start FTP sessions.
- Session-order feature lets users work in pre-selected sessions while other sessions are loading.
- Redesigned user interface simplifies batch-file transfers and improves access to file-transfer settings.
- SSL encryption protects AS/400 LIPI file transfers.
- Screens can be modified to accommodate custom host applications with varying screen sizes (e.g., 60x132).
- Users can browse TSO host-file lists without sending Reflection script files to the host.

Browser Support

Use Reflection Web Launch to deploy settings and updates via a web browser
Convert Reflection settings files for use with Reflection for the Web
Run Reflection as an ActiveX control in supported browsers

Migration Options

Conversion of competitive macros, keyboard maps, and session-configuration files

Security

Integrated SSL 3.0 and TLS 1.0 Telnet encryption through Microsoft security APIs¹
Reflection Kerberos Client for secure authentication

Administrative Tools

- NEW** Single sign-on
- Auto-update of device names
- Centralized management of settings files using group policy
- Usage metering
- Customization tools for:
 - Settings and installation files (including MSI)
 - Online help
- Web-based deployment of settings files and updates
- Support for Windows administration features:
 - Windows Installer
 - Active Directory
 - Roaming user and multiple user profiles
 - Group Policy
- Support for Microsoft Windows Terminal Server



ADMINISTRATIVE TOOLS CONTINUED

Support for Citrix[®] MetaFrame[™]
Graphical PING
TimeSync²

International Support

Support for the Chinese Simplified code page
English, French, German, and Japanese versions
Localized keyboards, displays, and printers
Japanese PC-9800 series
Support for Asian input-method editors

System Requirements

Any system that meets the minimum requirements for the Microsoft Windows operating system
Disk space varies depending on features installed
Network interface card
256-color or higher video-card resolution
2- or 3-button mouse

Operating Systems

Microsoft Windows XP
Microsoft Windows 2000
Microsoft Windows Server 2003
Microsoft Windows 2000 Server
Microsoft Windows Terminal Server
Citrix MetaFrame

¹ Available for Windows 2000 and Windows XP desktops only.

² Not available on Windows XP.

ABOUT WRQ

WRQ builds software for accessing and integrating legacy applications. WRQ Reflection[®] software provides a broad range of terminal emulation, PC X server, and SSH security solutions. WRQ Verastream[®] integration server provides a single platform for reusing legacy logic and data in web applications, CRM applications, or portals. Our products help companies get the most from their hosts today as they advance their long-term IT strategy. Learn more about our Reflection and Verastream products at www.wrq.com.



Corporate Headquarters
1500 Dexter Avenue North
Seattle, Washington 98109
TEL 206 217 7500
800 872 2829
FAX 206 217 7515

European Headquarters
The Netherlands
TEL +31 71 368 1100
FAX +31 71 368 1181

Asia Pacific Headquarters
Singapore
TEL +65 6336 3122
FAX +65 6336 5233

WRQ.COM
EMAIL info@wrq.com

For regional office information, visit www.wrq.com.