



Version Comparison Chart

Time to Upgrade Your WRQ Reflection® Product?

Could you and your users benefit from added functionality? Find your Reflection product in the chart below and see if it's time for a new version with advanced features. (Customers with WRQ Maintenance get free upgrades when major releases occur.)

FEATURES IN REFLECTION FOR IBM	12.X	11.X	10.X	9.X
ODBC access to IBM AS/400s and DB2s	✓	✓	✓	✓
Compatibility with any combination of TCP/IP, SNA, and LAN	✓	✓	✓	✓
Support for Windows® Terminal Server and Citrix® MetaFrame™	✓	✓	✓	✓
Deployment of Reflection using the Microsoft® Installer	✓	✓	✓	✓
Certification for Windows 2000	*	*	✓	✓
Protection of data with SSL/TLS Telnet encryption	✓	✓	✓	✓
Saving of settings in HTML or XML format	✓	✓	✓	
Ability to run Reflection as an ActiveX control	✓	✓	✓	
Automatic updating of settings files for all users or deployment of settings via a web page using Reflection Web Launch	✓	✓	✓	
Automatic display of the Euro character in IBM applications that support it	✓	✓	✓	
Migration of settings to and from Reflection for the Web	✓	✓	✓	
Windows XP theme manager	✓	✓	✓	
Certification for Microsoft "Designed for Windows XP-Optimized" logo	✓	✓	✓	
Migration tools for moving from competitive products to Reflection	✓	✓	✓	
Templates for duplicating competitive products' UIs	✓	✓		
Management of web- and Windows-based sessions from a single console	✓	✓		
Variety of group policies that support Microsoft Active Directory and increase Reflection's customization options	✓	✓		
One easy shortcut for opening groups of preconfigured sessions	✓	✓		
Ability to transfer preconfigured groups of files simultaneously	✓	✓		
Update deployed settings files	✓	✓	✓	✓
Reduced maintenance of macro and configuration files	✓			
Font-sizing option, 3270 word wrap, and FTP toolbar button	✓			
Metering capabilities for tracking license usage and compliance	✓			
Simplified management of VBA macros created with Reflection	✓			
Increased security (SSL) for FTP client file transfers	✓			
FEATURES IN REFLECTION FOR HP WITH NS/VT	12.X	11.X	10.X	9.X
Industry-standard scripting via Microsoft Visual Basic for Applications	✓	✓	✓	✓
Certification for Windows 2000	*	*	✓	✓
Save settings and record macros in XML	✓	✓	✓	✓
Protection of data with:				
- Integrated Kerberos client	✓	✓	✓	✓
- SSL/TLS Telnet encryption	✓	✓	✓	✓
- Integrated OpenSSH Client (works with Reflection FTP Client)	✓	✓	✓	
Added security for authentication and encryption	✓	✓	✓	✓
Integrated Reflection Security Components	✓	✓	✓	✓
Certification for Microsoft "Designed for Windows XP-Optimized" logo	✓	✓	✓	
Automatic updating of settings files for all users or deployment of settings via a web page using Reflection Web Launch	✓	✓	✓	
Migration of settings to and from Reflection for the Web	✓	✓	✓	
Windows XP theme manager	✓	✓	✓	
One easy-to-access location for all management tools	✓	✓	✓	
Management of web- and Windows-based sessions from a single console	✓	✓		
Variety of group policies that support Microsoft Active Directory and increase Reflection's customization options	✓	✓		
Secure access to HP e3000 applications using NS/VT and SSL/TLS	✓	✓		
Update deployed settings files	✓	✓	✓	✓
Enhanced support for Unicode-enabled hosts	✓			
Expanded connection options via TAPI 3.0	✓			
Metering capabilities for tracking license usage and compliance	✓			
Enhanced macro-recording options for .NET environments	✓			
Simplified management of VBA macros created with Reflection	✓			

FEATURES IN REFLECTION FOR UNIX AND OPENVMS	12.X	11.X	10.X	9.X
Deployment of Reflection using the Microsoft Installer	✓	✓	✓	✓
Saving of settings in HTML or VB Script format to speed distribution to end users	✓	✓	✓	✓
Certification for Windows 2000	*	*	✓	✓
Migration of settings to and from Reflection for the Web	✓	✓	✓	
Protection of data with:				
- Integrated Kerberos client	✓	✓	✓	✓
- SSL/TLS Telnet encryption	✓	✓	✓	✓
- Integrated OpenSSH client (works with Reflection FTP Client)	✓	✓	✓	
Certification for Microsoft “Designed for Windows XP–Optimized” logo	✓	✓	✓	
Windows XP theme manager	✓	✓	✓	
Automatic updating of settings files for all users or deployment of settings via a web page using Reflection Web Launch	✓	✓	✓	
One easy-to-access location for all management tools	✓	✓	✓	
Management of web- and Windows-based sessions from a single console	✓	✓		
Variety of group policies that support Microsoft Active Directory and increase Reflection’s customization options	✓	✓		
Updated Reflection Profiler for improved administrative control	✓	✓		
Ability to copy and paste Unicode to the Windows clipboard	✓	✓		
Emulation of IBM 3151, 3153, 3101, and 3161 terminals	✓	✓		
Update deployed settings file	✓	✓	✓	✓
Enhanced support for Unicode-enabled hosts	✓			
Drag-and-drop file transfers to the desktop	✓			
Metering capabilities for tracking license usage and compliance	✓			
Enhanced macro-recording options for .NET environments	✓			
Simplified management of VBA macros created with Reflection	✓			
FEATURES IN REFLECTION X	12.X	11.X	10.X	9.X
Certification for Windows 2000	*	*	✓	✓
Installation of Reflection X using Microsoft Installer	✓	✓	✓	✓
Deployment of Reflection X via Microsoft Active Directory	✓	✓	✓	✓
Integrated VPN functions that enable remote PC users to connect to X Window applications through NAT	✓	✓	✓	✓
Integrated security, including OpenSSH and Kerberos clients	✓	✓	✓	✓
Rendering of graphics with improved performance over previous versions	✓	✓	✓	✓
Running of X clients on 64-bit Intel platforms	✓	✓	✓	
Connection to X clients over IPv6 networks	✓	✓	✓	
Running of multiple X desktops simultaneously (CDE, GNOME, and KDE, e.g.) with correct settings and without resetting X server	✓	✓	✓	✓
Certification for Microsoft “Designed for Windows XP–Optimized” logo	✓	✓	✓	
Support for Microsoft Terminal Server and Citrix MetaFrame	✓	✓	✓	✓
Management of multiple X clients and servers in the same window	✓	✓		
Customization of X client launching methods using the RunRX utility	✓	✓		
Integrated secure FTP with site-to-site file transfer support	✓	✓		
Host-based font-retrieval function	✓	✓		
Scroll and mapping support for mouse-wheel users	✓	✓		
Support for OpenGL 1.4 and GLX 1.3	✓	✓		
Faster startup and connection times	✓	✓		
Support for all types of Windows fonts, including TrueType	✓			
Support for Multicast (IPv6)	✓			
Support for up to 1024 display numbers for WTS/Citrix	✓			
Support for MAS®, SAI’s Media Application Server™	✓			
Consolidated view of all configuration settings	✓			
Metering capabilities for tracking license usage and compliance	✓			

✓ Feature available in this version.

* This certification was not available with this release. However, all Microsoft certifications require that products be backward-compatible.

FEATURES IN REFLECTION NFS CLIENT	12.X	11.X	10.X	9.X
Ability to provide subnet control over broadcast for NIS logon servers.	✓	✓	✓	✓
Autodetection of fastest-responding NFS server in replicated file systems	✓	✓	✓	✓
Import and export of NFS settings via XML	✓	✓	✓	
Viewing and editing of NFS Client properties from the NFS Utility	✓	✓	✓	✓
Use of Windows Event Viewer for NFS logging	✓	✓	✓	
Easy restoration of default NFS settings to aid troubleshooting	✓	✓	✓	
Use of Microsoft Installer for deploying Reflection and accessing UNIX services	✓	✓	✓	✓
Support for Windows Terminal Server	✓	✓		
Faster browsing for Automount	✓	✓		
Enhanced symbolic links for navigating file systems without knowing physical locations	✓	✓		
Settings for password caching, logging, and quota checking	✓	✓		
Enhanced encryption for saved NFS passwords	✓	✓		
Improved support for multi-user password caching	✓			
Faster recovery from server failure using monitored locks	✓			
Accelerated startup time for Automount users	✓			
“Designed for Microsoft Windows XP–Optimized” logo	✓			
FEATURES IN REFLECTION FOR THE WEB	7.X	6.X	5.X	4.X
Centralized deployment, configuration, troubleshooting, and security	✓	✓	✓	✓
Ability to print to HPT (Host Print Transform) or non-HPT printing devices using 3812 printer emulation	✓	✓	✓	✓
Transfer of data to and from AS/400 hosts using SQL, a SQL Wizard, or ASCII files	✓	✓	✓	✓
Quick automation of tasks with our macro recorder—no programming required	✓	✓	✓	✓
Use of FTP to transfer files between FTP servers and Reflection for the Web terminal sessions	✓	✓	✓	✓
Printing from HP systems using local or host control; network, local, or print to disk; top, bottom, and record mode logging support; and line-drawing characters	✓	✓	✓	✓
Ability to print using TN3287 transport for 3270 printer sessions	✓	✓	✓	✓
Ability to link a terminal session to a printer session using TN association; the host automatically assigns a printing device LU	✓	✓	✓	✓
Use of additional IBM 3270 features, such as cut to clipboard, word wrap, smart insert, and error reset	✓	✓	✓	✓
Support for Microsoft Active Directory and LDAP Directory Services	✓	✓	✓	
Protection of sensitive data with advanced encryption and authentication features, such as SSL client authentication, key lengths up to 2048, and support for SSL with RSA and DSS/Diffie-Hellman standards	✓	✓	✓	
Customization of terminal sessions using Java and a new API, the Reflection Emulator Class Library (with HACL support)	✓	✓	✓	
One-time installation of management tools, with switching to English, French, German or Japanese at any time	✓	✓	✓	
Management of web- and Windows-based sessions from the same console	✓	✓		
Integration with BEA and Plumtree portals	✓	✓		
Web single sign-on using Netegrity SiteMinder	✓	✓		
Security:				
- 3DES encryption	✓	✓	✓	✓
- SSL/TLS encryption for Telnet	✓	✓	✓	✓
- Secure token authorization	✓	✓	✓	
- Secure Shell (SSH2)	✓	✓		
- AES encryption	✓	✓		
More secure FTP file transfers to and from any host or FTP server	✓			
Faster authentication for Active Directory users starting web or Windows sessions	✓			
Improved usage metering for tracking usage levels and license compliance	✓			
Enhanced printing capabilities, based on Java 2 support	✓			



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