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VERSION COMPARISON CHART

## Have you taken a good look at your Reflection lately?

Maybe it's time for an update. Find your Reflection® product in the chart below to see what you might be missing. (Attachmate® Maintenance customers receive free updates of each major release.)

FEATURES IN REFLECTION® FOR IBM®	2011 R2	2011 R1	2008	14.1	14.0	13.X	12.X	11.X
Masking of sensitive host data	✓							
Support for the SFTP 4.0 standard	✓							
PCI/DSS mode to prevent unsecured connections to host systems	✓							
Embeddable .NET control	✓							
Browser mode user experience	✓							
Integration with Reflection Administrator for centralized installation, deployment, and management*	✓	✓						
Support for Windows Server 2008 R2	✓	✓						
Integration with Microsoft Office 2010	✓	✓						
Granular feature installs for locking down desktops	✓	✓						
Compatible with Windows 7 logo	✓	✓	✓					
Citrix Ready logo	✓	✓	✓					
Web-based HTML Help system	✓	✓	✓					
Virtualization platform support: Microsoft App-V, Citrix XenApp, and VMware	✓	✓	✓					
Run RUMBA session files and macros	✓	✓	✓					
Tabbed Multiple Document Interface (MDI)	✓	✓	✓					
Built on the .NET Framework	✓	✓	✓					
Segoe for Attachmate font (for consistency with Windows 7)	✓	✓	✓					
Integration with Microsoft Office 2007	✓	✓	✓					
Implementation of the Microsoft Ribbon user interface	✓	✓	✓					
Application, desktop, and Internet search support	✓	✓	✓					
Built-in Screen History, Spell Check, Auto Expand, Auto Complete, Scratch Pad, and Recent Typing features	✓	✓						
Granular User Account Control (UAC) support	✓	✓	✓					
Privacy filters to protect sensitive host data	✓	✓	✓					
Native .NET API	✓	✓	✓					
Trusted Locations feature to secure desktop environment	✓	✓	✓					
Automate data exchange between host applications and web applications	✓	✓	✓					
U.S. DoD PKI certification	✓	✓	✓					
Federal Desktop Core Configuration (FDCC) and United States Government Configuration Baseline (USGCB) compliance	✓	✓	✓	✓				
IBM Express Logon Feature (ELF) support for single sign-on to mainframe applications	✓	✓	✓	✓	✓			
Automatic Kerberos sign-on for access to IBM System i hosts using Windows credentials	✓	✓	✓	✓	✓			
Reflection Certificate Manager	✓	✓	✓	✓	✓			
Clickable URLs in host sessions	✓	✓	✓	✓	✓			
Smart card support through PKCS #11 interface	✓	✓	✓	✓	✓			
IPv6 support	✓	✓	✓	✓	✓	✓		

✓ Feature available in this version.

‡ Maintained Reflection for Secure IT customers received this feature in a service pack.

\* Optional component.

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FEATURES IN REFLECTION® FOR IBM® CONTINUED	2011 R2	2011 R1	2008	14.1	14.0	13.X	12.X	11.X
FTP client enhancements for configuring, deploying, and starting FTP sessions	✓	✓	✓	✓	✓	✓	✓	
Session order feature (allows users to work in pre-selected sessions while other sessions are loading)	✓	✓	✓	✓	✓	✓	✓	
SSL encryption for AS/400 LIPI file transfers	✓	✓	✓	✓	✓	✓	✓	
Customizable screen sizes (to accommodate host apps with varying screen sizes; e.g., 60x132)	✓	✓	✓	✓	✓	✓		
Ability to browse TSO host file lists without sending Reflection script files to the host	✓	✓	✓	✓	✓	✓		
FIPS 140-2 validated cryptographic module	✓	✓	✓	✓	✓	✓	✓	
One session file for settings and macros	✓	✓	✓	✓	✓	✓	✓	
Font-sizing option, 3270 word wrap, and FTP toolbar button	✓	✓	✓	✓	✓	✓	✓	
Metering capabilities for usage tracking	✓	✓	✓	✓	✓	✓	✓	
Simplified management of VBA macros created with Reflection	✓	✓	✓	✓	✓	✓	✓	
Management of web- and Windows-based sessions from a single console	✓	✓	✓	✓	✓	✓	✓	✓
Variety of group policies that support Microsoft Active Directory	✓	✓	✓	✓	✓	✓	✓	✓
One easy shortcut for opening groups of preconfigured sessions	✓	✓	✓	✓	✓	✓	✓	✓
Simultaneous transfer of preconfigured file groups	✓	✓	✓	✓	✓	✓	✓	✓
Microsoft <i>Designed for Windows XP-Optimized</i> logo	✓	✓	✓	✓	✓	✓	✓	✓
Saving of settings in HTML or XML format	✓	✓	✓	✓	✓	✓	✓	✓
Automatic updating and deployment of settings 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	✓	✓	✓	✓	✓	✓	✓	✓
Compatibility with any combination of TCP/IP, SNA, and LAN	✓	✓	✓	✓	✓	✓	✓	✓
Windows Terminal Server and Citrix support	✓	✓	✓	✓	✓	✓	✓	✓
Deployment of Reflection using the Microsoft Installer	✓	✓	✓	✓	✓	✓	✓	✓
SSL/TLS Telnet encryption	✓	✓	✓	✓	✓	✓	✓	✓
Ability to update deployed settings files	✓	✓	✓	✓	✓	✓	✓	✓

FEATURES IN REFLECTION FOR UNIX AND OPENVMS	2011 R2	2011 R1	2008	14.1	14.0	13.X	12.X	11.X
Browser mode user experience	✓							
Embeddable .NET control	✓							
Support for the SFTP 4.0 standard	✓							
Integration with Reflection Administrator for centralized installation, deployment, and management	✓	✓						
Support for Windows Server 2008 R2	✓	✓						
Integration with Microsoft Office 2010	✓	✓						
Granular feature installs for locking down desktops	✓	✓						
<i>Compatible with Windows 7 logo</i>	✓	✓	✓					
<i>Citrix Ready logo</i>	✓	✓	✓					
Application, desktop, and Internet search support	✓	✓	✓					
Tabbed Multiple Document Interface (MDI)	✓	✓	✓					
Web-based HTML Help system	✓	✓	✓					
Virtualization platform support: Microsoft App-V, Citrix XenApp, and VMware	✓	✓	✓					
Segoe for Attachmate font (for consistency with Windows 7)	✓	✓	✓					
Built-in Screen History, Scratch Pad, and Recent Typing features	✓	✓	✓					
Integration with Microsoft Office 2007	✓	✓	✓					
Attachmate implementation of the Microsoft Ribbon user interface	✓	✓	✓					
Privacy filters to protect sensitive host data	✓	✓	✓					
Trusted locations feature to secure desktop environment	✓	✓	✓					
Automate data exchange between host applications and web applications	✓	✓	✓					
U.S. DoD PKI certification	✓	✓	✓					
Built on the .NET Framework	✓	✓	✓					
Native .NET API	✓	✓	✓					
Federal Desktop Core Configuration (FDCC) and United States Government Configuration Baseline (USGCB) compliance	✓	✓	✓	✓				
Reflection Certificate Manager	✓	✓	✓	✓	✓			
Reflection Key Agent for single sign-on authentication	✓	✓	✓	✓	✓			
SSH connection reuse	✓	✓	✓	✓	✓			
Integrated multihop SSH configuration support	✓	✓	✓	✓	✓			
Smart card support through PKCS #11 interface	✓	✓	✓	✓	✓			
IPv6 support	✓	✓	✓	✓	✓	✓		
PKI support in the Reflection SSH and SSL/TLS clients	✓	✓	✓	✓	✓	✓		
SSH command line utility for SSH tasks	✓	✓	✓	✓	✓	✓		
SSH configuration scheme support for configuring clients and servers	✓	✓	✓	✓	✓	✓		
Easy uploading of users' public keys to an SSH server	✓	✓	✓	✓	✓	✓		
Support for IPv6 networks and SOCKSv5	✓	✓	✓	✓	✓	✓		

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FEATURES IN REFLECTION FOR UNIX AND OPENVMS CONTINUED	2011 R2	2011 R1	2008	14.1	14.0	13.X	12.X	11.X
Migration from F-Secure SSH Windows Client to Reflection products without losing configuration settings	✓	✓	✓	✓	✓	✓		
FTP client enhancements for configuring, deploying, and starting FTP sessions	✓	✓	✓	✓	✓	✓		
Session order feature (allows users to work in pre-selected sessions while other sessions are loading)	✓	✓	✓	✓	✓	✓		
New emulation options, including QNX4 and xterm	✓	✓	✓	✓	✓	✓		
X11 mouse style support	✓	✓	✓	✓	✓	✓		
Enhanced support for Windows Terminal Server APIs	✓	✓	✓	✓	✓	✓		
SFTP downloads resume if interrupted	✓	✓	✓	✓	✓	✓		
FIPS 140-2 validated cryptographic module	✓	✓	✓	✓	✓	✓	✓	
Enhanced support for Unicode-enabled hosts	✓	✓	✓	✓	✓	✓	✓	
Drag-and-drop file transfers to the desktop	✓	✓	✓	✓	✓	✓	✓	
Metering capabilities for usage tracking	✓	✓	✓	✓	✓	✓	✓	
Enhanced macro-recording options for .NET environments	✓	✓	✓	✓	✓	✓	✓	
Simplified management of VBA macros created with Reflection	✓	✓	✓	✓	✓	✓	✓	
Management of web- and Windows-based sessions from a single console	✓	✓	✓	✓	✓	✓	✓	✓
Variety of group policies that support Microsoft Active Directory	✓	✓	✓	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓	✓	✓	✓
Microsoft <i>Designed for Windows XP-Optimized</i> logo	✓	✓		✓	✓	✓	✓	✓
Migration of settings to and from Reflection for the Web	✓	✓	✓	✓	✓	✓	✓	✓
Automatic updating and deployment of settings using Reflection Web Launch	✓	✓	✓	✓	✓	✓	✓	✓
One easy-to-access location for all management tools	✓	✓	✓	✓	✓	✓	✓	✓
Deployment of Reflection using the Microsoft Installer	✓	✓	✓	✓	✓	✓	✓	✓
Saving of settings in HTML or VB Script format to speed distribution to end users	✓	✓	✓	✓	✓	✓	✓	✓
Protection of data with:								
- Integrated SSH client (works with Reflection FTP Client)	✓	✓	✓	✓	✓	✓	✓	✓
- Integrated Kerberos client	✓	✓	✓	✓	✓	✓	✓	✓
- SSL/TLS Telnet encryption	✓	✓	✓	✓	✓	✓	✓	✓
Ability to update deployed settings files	✓	✓	✓	✓	✓	✓	✓	✓

FEATURES IN REFLECTION FOR HP	14.1	14.0	13.X	12.X	11.X	10.X
Support for current operating environments, including Windows 7 and Citrix XenApp	✓					
Federal Desktop Core Configuration (FDCC) and United States Government Configuration Baseline (USGCB) compliance	✓					
Reflection Certificate Manager	✓	✓				
Reflection Key Agent accepts certificates for single sign-on authentication	✓	✓				
SSH connection reuse	✓	✓				
Integrated multihop SSH configuration support	✓	✓				
Smart card support through PKCS #11 interface	✓	✓				
FTP client enhancements for configuring, deploying, and starting FTP sessions	✓	✓	✓			
Session order feature (allows users to work in pre-selected sessions while other sessions are loading)	✓	✓	✓			
SSH key agent	✓	✓	✓			
PKI support in the Reflection SSH and SSL/TLS clients	✓	✓	✓			
SSH command line utility for SSH tasks	✓	✓	✓			
Enhanced support for Windows Terminal Server APIs	✓	✓	✓			
Support for IPv6 networks and SOCKSv5	✓	✓	✓			
FIPS 140-2 validated cryptographic modules	✓	✓	✓	✓		
Enhanced support for Unicode-enabled hosts	✓	✓	✓	✓		
Expanded connection options via TAPI 3.0	✓	✓	✓	✓		
Metering capabilities for usage tracking	✓	✓	✓	✓		
Enhanced macro recording options for .NET environments	✓	✓	✓	✓		
Simplified management of VBA macros created with Reflection	✓	✓	✓	✓		
Management of web- and Windows-based sessions from a single console	✓	✓	✓	✓	✓	
Variety of group policies that support Microsoft Active Directory	✓	✓	✓	✓	✓	
Secure access to HP e3000 applications using NS/VT and SSL/TLS	✓	✓	✓	✓	✓	
Microsoft <i>Designed for Windows XP-Optimized</i> logo	✓	✓	✓	✓	✓	
Automatic updating and deployment of settings using Reflection Web Launch	✓	✓	✓	✓	✓	✓
Migration of settings to and from Reflection for the Web	✓	✓	✓	✓	✓	✓
One easy-to-access location for all management tools	✓	✓	✓	✓	✓	✓
Industry-standard scripting via Microsoft Visual Basic for Applications	✓	✓	✓	✓	✓	✓
Ability to save settings and record macros in XML	✓	✓	✓	✓	✓	✓
Protection of data with:						
- Integrated Kerberos client	✓	✓	✓	✓	✓	✓
- SSL/TLS Telnet encryption	✓	✓	✓	✓	✓	✓
- Integrated SSH Client (works with Reflection FTP Client)	✓	✓	✓	✓	✓	✓
Added security for authentication and encryption	✓	✓	✓	✓	✓	✓
Integrated Reflection Security Components	✓	✓	✓	✓	✓	✓
Ability to update deployed settings files	✓	✓	✓	✓	✓	✓

FEATURES IN REFLECTION FOR THE WEB	2011	2008	9.6	9.5	9.0X	8.X	7.X	6.X
Native 64-bit installer support for Windows and Linux servers	✓							
JavaScript macro recorder/editor for automating business processes	✓							
LDAP access mapping report for managing user access rights	✓							
Customizable toolbar with drag-and-drop buttons	✓							
Ability to map commands, macros, and other actions to toolbar buttons	✓							
Ability to save frequently used file and data transfers	✓							
Unified file transfer interface for IND\$FILE, FTP, and System i data transfers	✓							
Secure token authorization support for VHI Design Tool	✓							
Support for HTTP-only cookies for improved security	✓							
Dynamic LDAP group support	✓	✓						
Support for the Google Chrome browser	✓	✓						
Optimized VT scrolling for faster display performance	✓	✓						
Automatic generation of unique 5250 device names	✓	✓						
Configurable headers and footers on screen prints	✓	✓						
Ability to change Active Directory user passwords in non-domain use cases	✓	✓						
Stronger SSH encryption algorithms with AES CTR mode ciphers	✓	✓						
Secure token authorization support for Reflection 2011 and Reflection X 2011	✓	✓						
Simplified management of Public Key Infrastructure (PKI) certificates	✓	✓						
Troubleshooting enhancements for PKI/smart card authentication and Online Certificate Status Protocol (OCSP)	✓	✓						
Improved screen reader support for greater accessibility	✓	✓						
Advanced copy/paste options	✓	✓						
Macro sharing between sessions of the same type	✓	✓						
Ability to save frequently used IND\$FILE transfers	✓	✓						
Custom color support for the cursor, ruler, and terminal-screen elements	✓	✓						
Enhanced text rendering and scaling	✓	✓						
URL recognition and opening from emulation client	✓	✓						
Cursor ruler support for VT emulation	✓	✓						
Ability for end-users to customize and group local copies of terminal sessions	✓	✓						
Unisys UTS and T27 emulation (Unisys Edition, English Only)	✓	✓						
Automated management server data replication for load-balanced environments	✓	✓	✓	✓				
Online Certificate Status Protocol (OCSP) for Public Key Infrastructure (PKI) environments	✓	✓	✓	✓				
Ability to restrict user access to menus and controls	✓	✓	✓	✓				
Support for CA SiteMinder	✓	✓	✓	✓				

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FEATURES IN REFLECTION FOR THE WEB <small>CONTINUED</small>	2011	2008	9.6	9.5	9.0X	8.X	7.X	6.X
Support for Lightweight Directory Access Protocol (LDAP) interface to Resource Access Control Facility (RACF)	✓	✓	✓	✓				
Support for Eastern European and Cyrillic code pages and character sets	✓	✓	✓	✓				
Certificate revocation list (CRL) support	✓	✓	✓	✓	✓			
Certificate policy support	✓	✓	✓	✓	✓			
Automatic Kerberos sign-on for access to IBM iSeries hosts using Windows credentials	✓	✓	✓	✓	✓			
SSH SFTP (secure file transfer) support	✓	✓	✓	✓	✓			
Ability to browse host files for IND\$FILE	✓	✓	✓	✓	✓			
Cursor ruler support	✓	✓	✓	✓	✓			
Mouse mapping	✓	✓	✓	✓	✓			
Dockable keyboard, button, and toolbar palettes	✓	✓	✓	✓	✓			
Option to view/hide OIA	✓	✓	✓	✓	✓			
End-to-end SSL/TLS encryption from the client, through the security proxy server, to the host	✓	✓	✓	✓	✓	✓		
Smart card support	✓	✓	✓	✓	✓	✓		
Single sign-on to IBM mainframes via Express Logon Feature	✓	✓	✓	✓	✓	✓		
Integration with IBM WebSphere Portal	✓	✓	✓	✓	✓	✓		
IBM WebSphere browse-away support	✓	✓	✓	✓	✓	✓		
Centrally managed FTP client for standalone use	✓	✓	✓	✓	✓	✓		
FTP command line interface for file transfers	✓	✓	✓	✓	✓	✓		
Macro enhancements for users and administrators	✓	✓	✓	✓	✓	✓		
FIPS 140-2 validated cryptographic modules	✓	✓	✓	✓	✓	✓	✓	
More secure FTP file transfers to and from any host or FTP server	✓	✓	✓	✓	✓	✓	✓	
Faster authentication for Microsoft Active Directory users starting web or Windows sessions	✓	✓	✓	✓	✓	✓	✓	
Improved metering for tracking usage levels	✓	✓	✓	✓	✓	✓	✓	
Enhanced printing capabilities, based on Java 2 support	✓	✓	✓	✓	✓	✓	✓	
Management of web- and Windows-based sessions from the same console	✓	✓	✓	✓	✓	✓	✓	✓
Integration with BEA portals	✓	✓	✓	✓	✓	✓	✓	✓
Web single sign-on using CA SiteMinder	✓	✓	✓	✓	✓	✓	✓	✓
Secure token authorization	✓	✓	✓	✓	✓	✓	✓	✓

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FEATURES IN REFLECTION FOR THE WEB <small>CONTINUED</small>	2011	2008	9.6	9.5	9.0X	8.X	7.X	6.X
SSH2 support	✓	✓	✓	✓	✓	✓	✓	✓
AES encryption	✓	✓	✓	✓	✓	✓	✓	✓
Triple DES encryption	✓	✓	✓	✓	✓	✓	✓	✓
SSL/TLS encryption for Telnet	✓	✓	✓	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓	✓	✓	✓
Additional IBM 3270 features, such as cut to clipboard, word wrap, smart insert, and error reset	✓	✓	✓	✓	✓	✓	✓	✓

FEATURES IN REFLECTION X	2011 R2	2011 R1	14.1	14.0	13.X	12.X	11.X
Firewall-friendly remote domain connections	✓						
Integration with Reflection Administrator for centralized installation, deployment, and management*	✓		✓				
Negative coordinates support	✓		✓				
Support for suspending and resuming a persistent X session	✓	✓					
Ability to transfer an X session to a different user or device	✓	✓					
Support for sharing X sessions with remote users	✓	✓					
Patentable compression technology for better performance on slow networks	✓	✓					
Administrative Console for central management and monitoring of domain components	✓	✓					
Support for multiple user directory types, including LDAP, Windows, and internal	✓	✓					
Fault tolerance feature for resuming lost X sessions	✓	✓					
Ability to load-balance X sessions across multiple servers in a domain	✓	✓					
Reflection PKI Services Manager utility for easier management of SSH keys	✓	✓					
Support for current operating environments, including Windows 7, Microsoft App-V, Citrix XenApp, and VMware	✓	✓	✓				
X11 RENDER, XFree86 BigFont, and Sync extension support	✓	✓	✓				
Federal Desktop Core Configuration (FDCC) and United States Government Configuration Baseline (USGCB) compliance	✓	✓	✓				
X11R6.9 compliance	✓	✓	✓	✓			
Reflection Certificate Manager	✓	✓	✓	✓			
Reflection Key Agent for single sign-on authentication	✓	✓	✓	✓			
SSH connection reuse	✓	✓	✓	✓			
Integrated multi-hop SSH configuration support	✓	✓	✓	✓			
Smart card support through PKCS #11 interface	✓	✓	✓	✓			
Support for DOUBLE-BUFFER and XF86_Bigfont extensions	✓	✓	✓	✓	✓		
Support for 3Dconnexion SpaceBall 5000 and SpaceMouse Plus	✓	✓	✓	✓	✓		
Support for multiple X screens	✓	✓	✓	✓	✓		
Downloadable server and connection templates	✓	✓	✓	✓	✓		
Application-specific icons	✓	✓	✓	✓	✓		
XKB extension support	✓	✓	✓	✓	✓		
Support for any local window manager	✓	✓	✓	✓	✓		
Secure remote troubleshooting capability	✓	✓	✓	✓	✓		
SSH enhancements, including a new SSH key agent	✓	✓	✓	✓	✓		
Automatic image pasting to graphics editor	✓	✓	✓	✓	✓		
Support for multiple XDMCP sessions	✓	✓	✓	✓	✓		
Secure font retrieval function	✓	✓	✓	✓	✓		
X Client Wizard enhancements	✓	✓	✓	✓	✓		
FIPS 140-2 validated cryptographic modules	✓	✓	✓	✓	✓	✓	
Support for all types of Windows fonts, including TrueType	✓	✓	✓	✓	✓	✓	
Support for Multicast (IPv6)	✓	✓	✓	✓	✓	✓	
Consolidated view of all configuration settings	✓	✓	✓	✓	✓	✓	

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FEATURES IN REFLECTION X CONTINUED	2011 R2	2011 R1	14.1	14.0	13.X	12.X	11.X
Metering capabilities for usage tracking	✓	✓	✓	✓	✓	✓	
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	✓	✓	✓	✓	✓	✓	✓
Scroll and mapping support for mouse-wheel users	✓	✓	✓	✓	✓	✓	✓
OpenGL 1.4 and GLX 1.3 support	✓	✓	✓	✓	✓	✓	✓
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 SSH 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 (e.g., CDE, GNOME, and KDE simultaneously) with correct settings and without resetting X server	✓	✓	✓	✓	✓	✓	✓
Adheres to the <i>Designed for Windows XP</i> logo specifications	✓	✓	✓	✓	✓	✓	✓
Microsoft Terminal Server and Citrix support	✓	✓	✓	✓	✓	✓	✓

FEATURES IN REFLECTION FOR SECURE IT, WINDOWS CLIENT	7.2	7.1	7.0	6.1	6.0	5.4
Microsoft Windows 7 support	✓					
Convenient setup for multihop connections	✓					
Preserved timestamps and file attributes during SFTP transfers	✓					
Smart card support for agent forwarding	✓					
Shared trusted certificate store location	✓					
Microsoft Windows Server 2008 support	✓	✓				
IPv6 support in command line utilities (ssh, scp, sftp)	✓	✓				
Configurable default permissions for uploaded files	✓	✓				
HTTP proxy server support	✓	✓				
Support for environment variables in configuration file settings	✓	✓				
Attachmate Cryptographic Module version 2.0.40 (FIPS 140-2 Level 1 validated—Certificate #1027)	✓	✓				
Reflection FTP client utility	✓	✓	✓			
The SFTP protocol, standard FTP (unencrypted), FTP over SSL/TLS, and Kerberized FTP (TLS)	✓	✓	✓			
Public Key Infrastructure (PKI) support	✓	✓	✓	✓		
File transfer automation via OLE interface	✓	✓	✓			
Easier configuration of SSH tunneling for FTP sessions	✓	✓	✓			
Reflection Certificate Manager	✓	✓	✓	✓		

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FEATURES IN REFLECTION FOR SECURE IT, WINDOWS CLIENT <small>CONTINUED</small>	7.2	7.1	7.0	6.1	6.0	5.4
Reflection Key Agent accepts certificates for single sign-on authentication	✓	✓	✓	✓		
Enhanced command line switches and scp options	✓	✓	✓	✓		
Consolidated user key dialog for certificates and keys	✓	✓	✓	✓	✓	
Automatic conversion of keys to correct format upon upload	✓	✓	✓	✓	✓	
Deployment of SSH client using the Microsoft Installer	✓	✓	✓	✓	✓	
Support for Windows Terminal Server and Citrix Presentation Server	✓	✓	✓	✓	✓	
Migration wizard for converting F-Secure profiles to Reflection settings	✓	✓	✓	✓	✓	
Key codes removed	✓	✓	✓	✓	✓	
FIPS 140-2 Level 1 validated cryptographic modules	✓	✓	✓	✓	✓	✓
Authentication agent (key agent) for safely storing private and public keys	✓	✓	✓	✓	✓	✓
Ability to connect to several SSH servers without entering a passphrase	✓	✓	✓	✓	✓	✓
SFTP downloads resume if interrupted	✓	✓	✓	✓	✓	✓
Unattended scheduled file transfers	✓	✓	✓	✓	✓	✓

FEATURES IN REFLECTION FOR SECURE IT, WINDOWS SERVER	7.2	7.1	7.0	6.1	6.0	5.3
Microsoft Windows Server 2008 R2 (x86-64) support	✓					
Use of mapped drives to access network directories during terminal sessions	✓					
Control over the number of connections allowed per user	✓					
Use of alternative credentials for accessing SFTP directories and mapped drives	✓					
Customizable locations for server configuration files	✓					
Microsoft Cluster Service support	✓	‡				
HSPD-12 support	✓	‡				
PKI client command line utility	✓	‡				
Centralized PKI support via the Reflection PKI Services Manager	✓	✓				
Granular permissions for file transfer functions (upload/download/browse/delete) configurable at Global, Group, and User levels and by Client address	✓	✓				
Attachmate Cryptographic Module version 2.0.40 (FIPS 140-2 Level 1 validated—Certificate #1027)	✓	✓				
SFTP and SCP2 Smart Copy	✓	✓				
Support for the Microsoft Certificate Store	✓	✓				
Support for file transfer checkpoint resume	✓	✓				
FTP over SSH for both active and passive mode connections	✓	✓				
Windows Server 2008 support	✓	✓	‡			
Granular access control configurations for local and domain users and groups	✓	✓	‡			
Section 508 support in configuration console	✓	✓	‡			
Support for user keys generated using the OpenSSH keygen utilities	✓	✓	‡			

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FEATURES IN REFLECTION FOR SECURE IT, WINDOWS SERVER CONTINUED	7.2	7.1	7.0	6.1	6.0	5.3
GSSAPI/Kerberos-based user and host authentication	✓	✓	✓			
Full range of documentation formats (context-sensitive help, PDF, and HTML)	✓	✓	✓			
Improved user interface (simplifies configuration of server settings)	✓	✓	✓			
Enhanced logging capabilities, including more customization options for diagnostic and event data collection	✓	✓	✓			
IP blocking feature	✓	✓	✓			
Native 64-bit Windows support for x64 hardware	✓	✓	✓			
Enhanced domain name authentication	✓	✓	✓	✓		
Windows Domain authentication	✓	✓	✓	✓	✓	
Maximum password feature	✓	✓	✓	✓	✓	
Windows Server 2003 support	✓	✓	✓	✓	✓	
New ways to specify folders for file transfers: single root (=c:\sftp)	✓	✓	✓	✓	✓	
FIPS 140-2 Level 1 validated cryptographic modules	✓	✓	✓	✓	✓	✓
Server hostkey fingerprint dialog box to enable hostkey verification for first connection	✓	✓	✓	✓	✓	✓

FEATURES IN REFLECTION FOR SECURE IT, UNIX CLIENT	7.2	7.1	7.0	6.1	6.0	5.0
High Performance Enabled (HPN) file transfer	✓					
Granular control of data compression levels	✓					
Inclusion of OpenSSH packages in Linux-based rpm package capability lists	✓					
HSPD-12 support	✓	‡				
PKI client command line utility	✓	‡				
Centralized PKI support via the Reflection PKI Services Manager	✓	✓				
Customizable installation locations in Solaris and Linux	✓	✓				
Enhanced X.509 certificate utility (ssh-certview)	✓	✓				
Support for PKCS#11 smart cards in Solaris 10 SPARC	✓	✓				
Attachmate Cryptographic Module version 2.0.40 (FIPS 140-2 validated—Certificate #1027)	✓	✓	‡			
Host name aliasing for host key storage	✓	✓	‡			
Sun Solaris Projects support	✓	✓	‡			
Enhanced support for Kerberos through gssapi-keyex	✓	✓	✓			
SSH connection reuse feature	✓	✓	✓			
Full range of documentation formats (PDF and HTML)	✓	✓	✓			
Strict Mode support	✓	✓	✓			
FIPS 140-2 validated cryptographic modules	✓	✓	‡	✓	✓	✓

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FEATURES IN REFLECTION FOR SECURE IT, UNIX CLIENT <small>CONTINUED</small>	7.2	7.1	7.0	6.1	6.0	5.0
Additional platform support:						
- HP-UX 11i v3 (Itanium)	✓	✓	‡			
- HP-UX 11i v2 (PA-RISC)	✓	✓	‡	✓		
- IBM AIX 6.1 (POWER)	✓	✓				
- Red Hat Enterprise Linux 4 (Itanium)	✓	✓	✓	✓		
- Red Hat Enterprise Linux 4 (x86)	✓	✓	✓	✓		
- Red Hat Enterprise Linux 4 (x86-64)	✓	✓	✓	✓		
- Red Hat Enterprise Linux 5 (Itanium)	✓	✓				
- Red Hat Enterprise Linux 5 (x86)	✓	✓	✓	✓		
- Red Hat Enterprise Linux 5 (x86-64)	✓	✓	✓	✓	✓	
- Sun Solaris 10 (SPARC)	✓	✓	✓	✓	✓	✓
- Sun Solaris 10 (x86)	✓	✓	✓	‡		✓
- Sun Solaris 10 (x86-64)	✓	✓	✓	✓	✓	✓
- SUSE Linux Enterprise Server 10 (x86)	✓	✓	✓	✓	✓	
- SUSE Linux Enterprise Server 10 (x86-64)	✓	✓	✓	✓	✓	
- SUSE Linux Enterprise Server 11 (x86)	✓	✓	✓			
- SUSE Linux Enterprise Server 11 (x86-64)	✓	✓	✓			

FEATURES IN REFLECTION FOR SECURE IT, UNIX SERVER	7.2	7.1	7.0	6.1	6.0	5.0
High Performance Enabled (HPN) file transfer	✓					
AIX System Resource Controller support	✓					
Granular control of data compression levels	✓					
Inclusion of OpenSSH packages in Linux-based rpm package capability lists	✓					
HSPD-12 support	✓	‡				
PKI client command line utility	✓	‡				
Solaris Basic Security Module auditing support	✓	‡				
Centralized PKI support via the Reflection PKI Services Manager	✓	✓				
Customizable installation locations in Solaris and Linux	✓	✓				
Granular permissions for file transfer functions (upload/download/browse/delete) configurable at Global, Group, and User levels and by Client address	✓	✓				
Additional file transfer logging options (login/logout, directory listings, uploads, downloads, file modifications)	✓	✓				
Configurable pre-authenticated session limits	✓	✓				
User shell configuration inheritance from LDAP directories	✓	✓				
Sun Solaris Least Privilege Model support	✓	✓				
Enhanced X.509 certificate utility (ssh-certview)	✓	✓				
Attachmate Cryptographic Module version 2.0.40 (FIPS 140-2 validated—Certificate #1027)	✓	✓	‡			
Dynamic support for UNIX TCP Wrappers	✓	✓	‡			

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FEATURES IN REFLECTION FOR SECURE IT, UNIX SERVER CONTINUED	7.2	7.1	7.0	6.1	6.0	5.0
HP-UX System Administration Manager (SAM) Auditing and Security tool support	✓	✓	‡			
Enhanced support for Kerberos through gssapi-keyex	✓	✓	✓			
Dead and idle client detection	✓	✓	✓			
Full range of documentation formats (PDF and HTML)	✓	✓	✓			
Strict Mode support	✓	✓	✓			
FIPS 140-2 validated cryptographic modules	✓	✓	‡	✓	✓	✓
Additional platform support:						
- HP-UX 11i v3 (Itanium)	✓	✓	‡			
- HP-UX 11i v2 (PA-RISC)	✓	✓	‡	✓		
- IBM AIX 6.1 (POWER)	✓	✓				
- Red Hat Enterprise Linux 4 (Itanium)	✓	✓	✓	✓		
- Red Hat Enterprise Linux 4 (x86)	✓	✓	✓	✓		
- Red Hat Enterprise Linux 4 (x86-64)	✓	✓	✓	✓	✓	
- Red Hat Enterprise Linux 5 (Itanium)	✓	✓	✓			
- Red Hat Enterprise Linux 5 (x86)	✓	✓	✓	✓	✓	
- Red Hat Enterprise Linux 5 (x86-64)	✓	✓	✓	✓	✓	
- Sun Solaris 10 (SPARC)	✓	✓	✓	✓	✓	✓
- Sun Solaris 10 (x86)	✓	✓	✓	‡		✓
- Sun Solaris 10 (x86-64)	✓	✓	✓	✓	✓	✓
- SUSE Linux Enterprise Server 10 (x86)	✓	✓	✓	✓	✓	
- SUSE Linux Enterprise Server 10 (x86-64)	✓	✓	✓	✓	✓	
- SUSE Linux Enterprise Server 11 (x86)	✓	✓	✓			
- SUSE Linux Enterprise Server 11 (x86-64)	✓	✓	✓			



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