

## Reflection for the Web, version 7.0

<b>Feature</b>	<b>Benefit</b>
More secure FTP file transfers to and from any host or FTP server.	Comply with security policies and government regulation without disruption of end user productivity.
Faster authentication for Microsoft Active Directory users starting web or Windows sessions.	Users who authenticate to Active Directory when starting their Windows desktop don't have to authenticate a second time when accessing web- or Windows-based sessions with the Reflection Management Server.
Improved usage metering for tracking usage.	Administrators can monitor software usage and generate metering reports with either summary or detailed information on usage and host connections.
Enhanced printing capabilities, based on Java 2 support.	Take advantage of newer Java 2 printing features that enable users to easily print to their default printer; Printing feels more like what users are accustomed to with Windows-based applications.

## Reflection for IBM, version 12.0

<b>Feature</b>	<b>Benefit</b>
Reduced maintenance of macro and configuration files.	Reflection now allows VBA macros to be created, shared and updated from multiple sources, enabling streamlined administration.
Automated management of 5250 sessions using device-name wildcards.	Simplified configuration and administration. Now, administrators can configure based upon dominant usage patterns instead of having to set up individual profiles for users.
Font-sizing option, 3270 word wrap, and FTP toolbar button.	Through improved UI, end-users can save time and be more productive.
*Metering capabilities for tracking usage.	Administrators can monitor software usage and generate metering reports with either summary or detailed information on usage and host connections.
*Centralized management of Reflection settings files using group policy.	Simplified central management of Reflection settings through update files that can be automatically distributed to end-users.
*Security proxy server	Minimize risk of unauthorized direct host access, as well as eliminate performance degradation of encryption on the host by off-loading security to the security proxy server vs putting it directly on the host.
Enhanced macro-recording options for .NET environments.	Supporting the familiar VB.NET file structure and C#, IT managers can use familiar programming languages to program macros.
Simplified management of	IT managers can use the familiar VBA programming language to

VBA macros created with Reflection.	automate repetitive tasks. VBA macros can now be created, shared, and updated from multiple sources.
Increased security (SSL) for FTP client file transfers.	SSL encryption is now an option for the Reflection FTP client to secure file transfers, allowing customers to securely connect to AS/400s and mainframes using IBM preferred standards. (Note: Major competitors like Attachmate, NetManage, and IBM do not offer this type of security in their FTP clients.)

### Reflection for HP with NS/VT, version 12.0

<b>Feature</b>	<b>Benefit</b>
Enhanced support for Unicode-enabled hosts.	Access a wider variety of legacy applications because now Reflection can display more types of characters than before.
Expanded connection options via TAPI 3.0.	Simplified configuration of modems and peripherals using TAPI, a de facto standard for peripheral configuration.
Drag-and-drop file transfers to the desktop.	End-users have greater productivity through this time-saving feature, allowing seamless use of Reflection and standard desktop functionality.
*Metering capabilities for tracking usage.	Administrators can monitor software usage and generate metering reports with either summary or detailed information on usage and host connections.
*Centralized management of Reflection settings files using group policy.	Simplified central management of Reflection settings through update files that can be automatically distributed to end-users.
*Security proxy server	Minimize risk of unauthorized direct host access, as well as eliminate performance degradation of encryption on the host by off-loading security to the security proxy server vs putting it directly on the host.
Enhanced macro-recording options for .NET environments.	Supporting the familiar VB.NET file structure and C#, IT managers can use familiar programming languages to program macros.
Simplified management of VBA macros created with Reflection.	IT managers can use the familiar VBA programming language to automate repetitive tasks. VBA macros can now be created, shared, and updated from multiple sources.
Secure communication with Kerberos KDC's using TCP.	Enhanced authentication capabilities using Kerberos standard protocols.

### Reflection for UNIX and OpenVMS, version 12.0

<b>Feature</b>	<b>Benefit</b>
New emulation options, including VT500, TVI 955, and VT-UTF8.	Allows for expanded access to host systems throughout the enterprise.
Enhanced support for	Access a wider variety of legacy applications because now Reflection can

Unicode-enabled hosts.	display more types of characters than before.
Expanded connection options via TAPI 3.0.	Simplified configuration of modems and peripherals using TAPI, a de facto standard for peripheral configuration.
Drag-and-drop file transfers to the desktop.	End-users have greater productivity through this time-saving feature, allowing seamless use of Reflection and standard desktop functionality.
*Metering capabilities for tracking usage.	Administrators can monitor software usage and generate metering reports with either summary or detailed information on usage and host connections.
*Centralized management of Reflection settings files using group policy.	Simplified central management of Reflection settings through update files that can be automatically distributed to end-users.
*Security proxy server	Minimize risk of unauthorized direct host access, as well as eliminate performance degradation of encryption on the host by off-loading security to the security proxy server vs putting it directly on the host.
Enhanced macro-recording options for .NET environments.	Supporting the familiar VB.NET file structure and C#, IT managers can use familiar programming languages to program macros.
Simplified management of VBA macros created with Reflection.	IT managers can use the familiar VBA programming language to automate repetitive tasks. VBA macros can now be created, shared, and updated from multiple sources.
Secure communication with Kerberos KDC's using TCP.	Enhanced authentication capabilities using Kerberos standard protocols. IT managers have greater peace of mind that their host access is secure.

## Reflection X, version 12.0

Feature	Benefit
Support for all types of Windows fonts, including TrueType.	<ul style="list-style-type: none"> <li>• X applications have a wider range of fonts to choose from.</li> <li>• Accelerated character rendering.</li> <li>• Render and scale characters better than X11's bitmapped fonts.</li> </ul>
Support for Multicast (IPv6).	The first to offer this capability within the marketplace, Reflection X users can now display IPv6-enabled X applications, including X desktop window managers and Linux applications.
Support for up to 1024 display numbers for WTS/Citrix.	Improved display at higher screen resolution for users using Windows Terminal Server and/or Citrix MetaFrame.
Support for MAS, SAI's Media Application Server.	Visually impaired users can now "read" and "listen" to multimedia-rich X applications, allowing people with visual disabilities to work with screen elements more easily.
Consolidated view of all configuration settings.	All settings categories are accessible at once, so there is no need to scroll through a setting category list; it is now easier to select a setting.

	category with a single mouse click.
*Metering capabilities for tracking usage.	Administrators can monitor software usage and generate metering reports with either summary or detailed information on usage and host connections.

### Reflection NFS Client, version 12.0

Feature	Benefit
Improved support for multi-user password caching.	Passwords can be temporarily stored on a single machine, allowing for multiple users on a single workstation.
Faster recovery from server failure using monitored locks.	Reflection X provides a way to monitor locks and pass them on to a backup server when the main server fails. The retention of file lock information allows the NFS connection state to be maintained despite the main server failure.
Accelerated startup time for Automount users.	Increased productivity, and decreased down-time as Automount end-users are up and running more quickly.
"Designed for Microsoft Windows XP-Optimized" logo.	Tested on Windows XP, IT managers can rest easy, knowing that our products take full advantage of the features in XP.

\* For Windows-based Reflection customers, centralized web-based management, security proxy server and metering functionality will be packaged as an add-on module to be named Reflection Administrator. Reflection Administrator will be available to customers by the end of June, and will be provided upon request at no charge to Tier 1a and 2a customers, as a driver for maintenance renewals and 12.0 upgrades.

**Note:** For Reflection web-based customers, web-based management, security proxy server and metering functionality is available in the current shipping version of Reflection for the Web.