

## *ShareIt FTP Release Notes*

**This document describes the new features, performance improvements and bug fixes in each release of ShareIt FTP for Microsoft Windows.**

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### *Version 2.6*

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This release of ShareIt FTP includes many new features to help administrators manage their servers.

**NEW MEMORY USAGE INDICATOR**

The FTP Console has been modified to display the memory usage of the ShareIt FTP service process. This field will help administrators track resource usage from a remote location.

**NEW MINUTE MARKER IN REAL-TIME PERFORMANCE GRAPHS**

In the FTP Console, a small arrow marker will be displayed in the performance graphs to indicate the length of a minute. The graphs will typically display the last two (2) minutes of data.

**NEW EDIT SERVER FEATURE**

An edit command has been added to the FTP Console (**Console > Server Options > Edit**) to allow you to view and update your ShareIt FTP server settings.

**NEW PING TOOL**

ShareIt FTP includes a new ping tool (**FTP Console > Tools > Ping Host**) to help administrators verify server availability and network connections. See the User Guide for more information.

**NEW TRANSFER VIEW**

The FTP Console includes a new “Transfer” display that allows you to view to the last 256 file transfers. This feature will help administrators browse upload/download activity without searching through the event log.

<b>FIXED FTP SERVICE MESSAGE</b>	The event ID for FTP service startup errors was missing (when displayed in the Windows event viewer application). This bug was introduced in version 2.5 and is now fixed.
<b>FIXED EVENT LOG XFER STATS</b>	The transfer statistics in the event log now account for compressed and secure data communications. In the previous versions of ShareIt FTP, the stream data was listed.
<b>NEW 'AUTH TLS' SUPPORT</b>	The AUTH command has been updated to support the TLS parameter. ShareIt FTP supports Secure Sockets Layer (SSL v2/3) and Transport Layer Security (TLS v1).
<b>UPDATED MODE Z</b>	The default MODE Z function in ShareIt FTP has been modified to include the ZLIB header and trailer information. Your users will need to update their FTP client to continue to use this feature. This change is reflected in <a href="http://www.ietf.org/internet-drafts/draft-preston-ftpext-deflate-02.txt">http://www.ietf.org/internet-drafts/draft-preston-ftpext-deflate-02.txt</a> .
<b>UPDATED PASSIVE REPLY TEXT</b>	The reply text for the passive and extended passive (PASV and EPSV) commands has been changed from mixed upper to lower case.
<b>UPDATED TIME MAP CONTROL</b>	The time map control, in the bandwidth throttle ( <b>FTP Console &gt; Console &gt; Server Options &gt; Bandwidth Throttle</b> ), has been changed to include an arm to indicate the time of the current zone.
<b>FIXED BANDWIDTH SCHEDULE BUG</b>	A bug in the FTP Console application failed to check and update the bandwidth schedule time limits. Administrators would have to reset the schedule and recreate it. This problem did not impact the ShareIt FTP service.
<b>FIXED 'LOCALHOST' CONSOLE PORT</b>	ShareIt FTP has been modified to accept connections on the local (127.0.0.1) TCP/IP address regardless of the service ports and IP Access settings.
<b>OPENSSL VERSION 0.9.7D</b>	Upgraded to OpenSSL version 0.9.7d. This release includes various fixes and cleaning updates.
<b>ENHANCED SSL/TLS IMPLEMENTATION</b>	The SSL/TLS system has been rewritten to give faster performance, more entropy and use fewer memory resources.
<b>UPDATED REIN COMMAND</b>	When the user sends the REIN (reinitialize) command to the server, the current security mechanism will not be shut down. This change accommodates implicit SSL/TLS connections and provides faster/secure user switching.
<b>UPDATED CCC COMMAND</b>	ShareIt FTP will refuse the CCC (clear command channel) command if the user is not logged in. This update prevents a form of network attack where the security mechanism is started/stopped continuously.

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## Version 2.5

**UPDATED VERSION INFO** Updated FTP Console to version 1.9; and the FTP service to 2.6. All file version and copyright information has been changed.

## *Version 2.5*

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**NEW IMPLICIT SSL PORT** This feature allows users to connect to ShareIt FTP using an SSL-only connection. No plain text communications (with or without AUTH SSL negotiation) takes place; the control channel is always secure.

**NEW NETWORK LOAD BALANCING FEATURE** The bandwidth throttle has been enhanced to support dynamic load balancing. ShareIt FTP will distribute the maximum network speed across open FTP connections. The new system provides several benefits:

- the bandwidth allocated for the FTP server is used more effectively,
- users will experience faster uploads/downloads when the system is not busy,
- the performance of the FTP server increases because larger chunks of data can be sent/received during each network operation.

This feature works in combination with the new programmable bandwidth throttle UI (below).

**NEW BANDWIDTH SCHEDULER** This version of ShareIt FTP introduces an innovative bandwidth scheduler. It lets you to graphically manipulate a bandwidth schedule so you can control workday/evening/weekend network resources.

The bandwidth schedule can also be modified remotely; while the server is running. See the ShareIt FTP User Guide for more information.

**NEW MD5 CHECKSUM FEATURE** Users can now generate MD5 checksums by using the SITE command (SITE MD5 filename). This feature lets users compare and validate files they have received. See the ShareIt FTP User Guide for more information.

**NEW IMPORT/EXPORT OPTIONS** The ShareIt FTP configuration import/export functions includes two new options to load and save bandwidth throttle data.

**NEW CONFIG FILE FORMAT** The configuration file format has been changed to avoid naming conflicts. A qualifier has been added to access control list (ACL), share points and bandwidth throttle data.

**UPDATED STAT COMMAND** The STAT command has been modified to omit the administrator email address if this field is left blank in the ShareIt FTP configuration.

**FIXED STOR BUG** Fixed a bug (introduced in version 2.3) that allowed users to upload to root folders. These files would not be visible or accessible.

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## Version 2.4

<b>UPDATED PASSWORD DISPLAY</b>	Updated ShareIt FTP to hide the password in the “User” view (in the FTP Console).
<b>FIXED BROWSE DRIVES/ FOLDER BUG</b>	Fixed a bug that allowed the “Select Location” dialog to fall behind the FTP Console frame; preventing the user from updating the FTP configuration.
<b>UPDATED SYSTEM CONFIG</b>	The System configuration page has been renamed to Network; and modified to include options for the new ShareIt FTP features.
<b>FIXED LOGONUSER CALL</b>	Changed from “network” to “interactive” logon. Some of the credentials are not loaded in the “network” logon and FTP users will be unable to connect to network resources.
<b>MOVED TO UNICODE LIBRARIES</b>	Moved ShareIt FTP codebase to UNICODE routines. You will notice MFC42U.DLL is now included in the distribution packages.
<b>UPDATED DELE, RMD AND RNFR/RNTO</b>	Changed from shell file operations (SHFileOperation) to native WIN32 routines for better performance. A side effect of this update is the RMD command will fail if the target directory is not empty.
<b>FIXED FTP URL ERROR IN USER GUIDE</b>	The correct format of an FTP URL is: ftp://[<username>:<password>@]<FTP address>[:<port>].
<b>UPDATED VERSION INFO</b>	Updated FTP Console to version 1.8; and the FTP service to 2.5. All file version and copyright information has been changed.

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## *Version 2.4*

This release of ShareIt FTP introduces many new management and deployment features. They are designed to help you diagnose availability, capacity, performance and security information.

<b>NEW INTERNET SERVICE PERFORMANCE SUMMARY (ISPS)</b>	<p>This is a new technology developed by NSC that simplifys FTP server management. It allows you to visualize FTP and system performance data, including:</p> <ul style="list-style-type: none"><li>• System configuration and process utilization</li><li>• User login information and connection statistics</li><li>• File transfer counters and bandwidth usage</li><li>• FTP share point configuration and capacity</li><li>• Network configuration and throughput</li></ul>
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See the *Managing ShareIt FTP* chapter in the User Guide for more information.

**NEW IMPORT/EXPORT FEATURES**

Added import and export features (**FTP Console > FTP Service > Import/Export**). This includes:

- All FTP service configuration data
- The Access Control List (for IP access configuration)
- FTP Share Point data

These tools are import to users who want to:

- Deploy multiple FTP servers with a standard configuration
- Quickly recover or rebuild FTP servers
- Test different performance and service settings
- Backup configuration data

All of the configuration files are ASCII and can be manipulated with a text editor.

**FIXED ACL/SHARE POINT REGISTRY DATA**

All access control (**FTP Console > Config > IP Access**) and share point (**FTP Console > Config > Storage**) information is now deleted from the registry before new data is written. This feature has been implemented to keep the ShareIt FTP configuration “clean” at all times.

**FIXED SSL SESSION TIMEOUT**

Fixed a bug that would prevent a user from logging back in for several minutes after dropping a secure connection. The session cache size has been set to zero, and additional cleanup calls are made in the close routine.

**FIXED VMWARE TIMEOUT BUG**

When a virtual machine is paused or stopped (and connected to ShareIt FTP), the FTP server would not terminate the user. A socket error in the timeout code was not handled.

**FIXED FTP CONSOLE EXIT BUG**

Fixed a bug that would occasionally crash the FTP Console during exit. The networking system would send events to dead objects.

**FIXED STAT COMMAND BUG**

Display “DEFLATE” in STAT command response (mode field).

**UPDATED COMMAND TOOLBAR FOR W2K3 SERVER**

There was a small visual bug in the command toolbar under Windows 2003 Server. The size of the icons have been increased by 1 pixel.

**UPDATED UNINSTALL NOTES**

Updated the uninstall procedure. Running administration tools (locking NscFtpSvc.DLL) may prevent the uninstall operation from completing.

**UPDATED PERFORMANCE TOOLBAR**

New “look and feel” for chart and report controls. The updates make data easier to read. Renamed “Charts” toolbar to “Performance Toolbar.”

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### Version 2.3

<b>UPDATED “FAILED TO LOAD CONFIG.” ERROR MESSAGE</b>	Changed error message “Failed to load FTP configuration” to “Failed to load FTP configuration or invalid serial number.”
<b>UPDATED USER GUIDE</b>	Updated description of IP access. Added ISPS and import/export sections.
<b>UPDATED FTP SERVICE DESCRIPTION</b>	Updated FTP service description ( <b>Control Panel &gt; Administrative Tools &gt; Services</b> ) to help new administrators identify and understand the purpose of ShareIt FTP.
<b>UPDATED VERSION INFO</b>	Updated FTP Console to version 1.7; and the FTP service to 2.4. All file version and copyright information has been changed.

### *Version 2.3*

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<b>NEW FTP SHARE POINTS</b>	<p>This version of ShareIt FTP introduces FTP share points (or virtual folders) which allows you to mount multiple partitions and network folders, accessible through the root (‘/’) folder, on you FTP server.</p> <p>When administrators migrate to version 2.2, the existing FTP root folder is mapped to the “pub” share point. To configure additional share points, see the Folders settings (<b>FTP Console &gt; Config &gt; Folders</b>).</p> <p>The real-time report in the FTP Console will display the FTP share point with the least amount of storage left. CDROM drives, etc. are not considered in the statistics because they always appear full.</p>
<b>NEW STORAGE DISPLAY IN FTP CONSOLE</b>	<p>You can browse FTP share point properties and capacity information through the System Information tool (<b>FTP Console &gt; Console &gt; Server Options &gt; System Information &gt; Storage</b>).</p> <p><i>NOTE: You must be connected to the server to view this data.</i></p>
<b>FTP CONSOLE OPTIMIZATIONS</b>	<p>In ShareIt FTP version 2.2 and below, the FTP Console would request System Information (hardware configuration and statistical data) every few seconds. The latest version downloads this information when the console connect/reconnects, and when the administrator requests (via the <b>Refresh</b> button) it.</p>
<b>RENAME/MOVE UPDATE</b>	<p>ShareIt FTP will return an error when users attempt to rename and move files (ie. RNFR myfiles.zip; RNTD /test/myfiles.zip). This functionality was supported in earlier versions of the software, but is a security concern when FTP share points are utilized.</p>
<b>NEW RNTD REPLY</b>	<p>If the user tries to rename a FTP share point, the server will reply with error code 550 (Requested action not taken).</p>

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## Version 2.2

<b>FIXED CONNECTION TIMEOUT</b>	Fixed a bug that would cause a timeout after long and slow file transfers. The “last event” timestamp was not being updated for data channel operations.
<b>FIXED BANDWIDTH THROTTLE BUG</b>	Fixed a bug in the the bandwidth throttle that allowed socket send calls with 0 bytes. This problem was found with Intel Pro/100 VE network cards; using driver version 7.0.36.0 (3/4/2003). Other configurations were unaffected.
<b>OPENSSL VERSION 0.9.7C</b>	Upgraded to OpenSSL version 0.9.7c. This package fixes security vulnerabilities in the ASN.1 system.
<b>UPDATED VERSION INFO</b>	Updated FTP Console to version 1.6; and the FTP service to 2.3.

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## *Version 2.2*

<b>ADDED 'MODE Z' SUPPORT</b>	<p>Added deflate transmission mode (MODE Z). This mode is described in draft-preston-ftptext-deflate-00.txt; it compresses file and system data to increase network throughput and reduce transfer time. It is extremely useful in environments where users and operators pay for bandwidth usage or connect time.</p> <p>MODE Z modifies the MODE, FEAT and OPTS commands.</p>
<b>REQUIRE SSL LOGIN</b>	ShareIt FTP includes a new security feature that requires Windows users to login with SSL ( <b>FTP Console &gt; Config &gt; Security</b> ). If a user tries to establish a plain-text (standard FTP) connection, the server will respond with a 534 (Secure login required) error. This feature does not apply to guest (“anonymous”) users.
<b>UPDATED FTP CONSOLE</b>	<p>The System configuration page (<b>FTP Console &gt; Config &gt; System</b>) has been updated:</p> <ul style="list-style-type: none"><li>• Added “Xfer Modes...” settings. These options let you specify the compression parameters for MODE Z.</li><li>• Renamed “Advanced...” to “Network...” settings.</li></ul>
<b>UPDATED VERSION INFO</b>	Updated FTP Console to version 1.5; and the FTP service to 2.2.

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## *Version 2.1*

This release of ShareIt FTP includes new FTP commands, performance improvements and error messages to help system administrators.

<b>RFC2428 SUPPORT</b>	Added support for the extended data channel commands (EPRT/EPSV) described in RFC2428 “FTP Extensions for IPv6 and NATs”. Note ShareIt FTP does not support IPv6 at this time.
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**Version 2.1**

*Remember to update your event logging configuration in the FTP Console.*

- IMPROVED THREADING** The threading model has been updated to allow higher performance. You will notice ShareIt FTP accepts connections faster and the FTP Console application is more responsive.
- NEW ERROR MESSAGES** If ShareIt FTP fails to start, it will report the reason in the application event log (**Start > Settings > Control Panel > Administrative Tools > Event Viewer**).
- FIXED EVENT LOG BUG** Fixed a bug that stopped invalid requests (unsupported FTP commands) from being written to the event log.
- UPDATED VERSION INFO** Updated status and information fields (STAT, login, etc.) to version 2.1.