

Overview

When you need to control complex file transfer environments, Thru Automate MFT reduces the time to design, deploy and monitor highly-secure file transfer jobs – making you more productive.

You can integrate Thru Automate MFT into existing workflows with the addition of a single command or have Thru Automate start other processes before or after a file transfer job. Plus, all job and user activity is captured in an audit trail database to easily demonstrate compliance with security mandates, like HIPAA, SOX and PCI.

Job Management

Thru Automate MFT lets you set up file transfers to or from FTP, SFTP, FTPS, HTTP, HTTPS or email servers. Thru Automate's intuitive point-and-click interface means no more time-consuming programming with events, triggers, and "do" loops.

You can use Thru Automate's built-in scheduler or other applications can initiate file transfer jobs with Thru Automate MFT Scripting Agent by inserting a single command into an existing workflow. The built-in scheduler lets you set jobs to run by the minute, hourly, daily or monthly. Whether you use Thru Automate's scheduler or Thru Automate MFT Scripting Agent, you get all of the benefits of a Thru Automate file transfer job, such as job monitoring, log files, email notifications, and a comprehensive audit database.

Thru Automate MFT can also control the execution of other jobs and applications. You can initiate custom scripts, batch files or other applications at the beginning or end of a file transfer job.

Extensive file selection options make it easy to pick up only the right source files. You can select files based on dates, sequence numbers or other wildcards and, then, continue the job only when all required source files are available.

Destinations file names can be changed to meet your naming conventions by inserting dates, sequence numbers and other parameters. And, you can write destination files under temporary names and rename when the file transfer is complete.

Productivity

Set-up and maintenance of file transfer jobs can be a time-consuming and error-prone process. The right tools save time during set-up and result in fewer job failures at run-time.

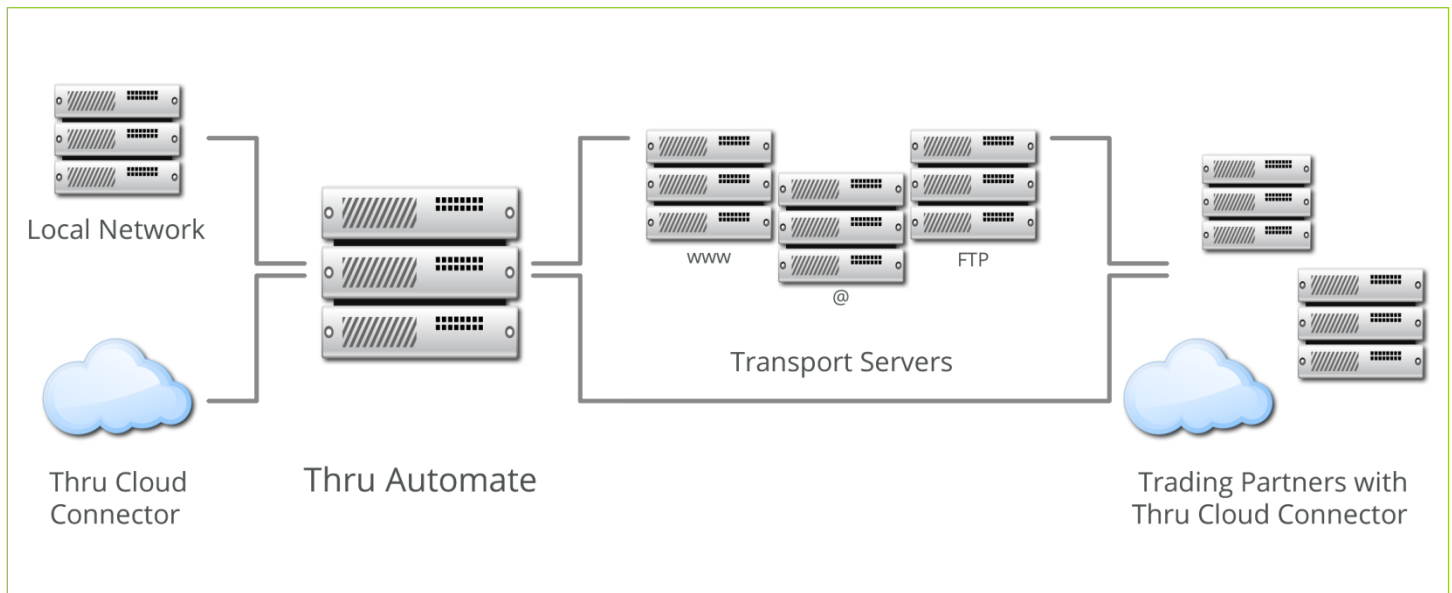
With Thru Automate MFT, you can create a partner profile for each trading partner. Changes in a partner profile are automatically reflected in all file transfer jobs with that partner. If a partner changes its FTP server name or sends you a new public PGP key, you enter it once.

When you set up new partner profiles, you can confirm read or write access to directories and files on the local network and FTP, HTTP and email servers without the need to send test files.

When problems arise, you can temporarily suspend scheduling of a file transfer job or group of jobs. When a server is down or other technical problems occur, you can suspend the affected file transfer jobs. When the problem is resolved, jobs can be restarted with a single click.



5-Star Rating
SC Magazine Encryption-in-Motion Test



Visibility

When you are responsible for hundreds or more file transfer jobs every day, you need job monitoring constantly updated in real time. Thru Automate's Job Monitor component shows you which jobs are running successfully and which ones are having problems. You can see when each job is scheduled, the last time it ran and whether it was successful. When a job is running, you can monitor each file as it is being transferred.

Thru Automate stores detailed histories of each file transfer job. You can view details for earlier runs of a job, including details for each file that was transferred. If a file transfer job has a problem, you can view log entries to immediately diagnose the problem and rerun the job without leaving the job monitor console.

Compliance

Most organizations are required to keep data confidential under regulations such as HIPAA, SOX and PCI DSS. Thru Automate MFT captures detailed audit trail data to confirm you have met encryption, access control, authentication, monitoring and other security requirements.

Whether you need audit data for compliance or for business analysis, Thru Automate MFT supports an extensive SQL audit database with comprehensive job, file and user activity data.

Thru Automate Cloud Connector, a new highly secure transport method based on PGP encryption, enables one-step data transfers between secure locations. Data no longer needs to reside outside the firewall on transport servers, such as FTP, web or email servers.

Event Notification

You may need to notify a sender that a file was sent or notify a recipient that a file is ready to be picked up. Thru Automate MFT can send email to you, others at your company, or outside recipients at the completion of each file transfer job.

When a file transfer problem occurs, you need to know as soon as possible. You may have processing deadlines or service level agreements to meet. Thru Automate MFT can send email or paging notifications that include the detailed information required to address a problem immediately - without searching through system log files.

Problem Resolution

When attempting to transfer files, unexpected problems can crop up. You might have outdated FTP account login information. Files might not be ready for pickup. The wrong key might have been used to encrypt a file, so you cannot decrypt it. Thru Automate MFT can send email or paging notifications that include the detailed information required to address a problem immediately - without searching through system log files.

In addition, Thru Automate MFT logs all file transfer set-up and run-time events to a log file. Thru Automate MFT's built-in log viewer makes it easy to locate the log entries you need to diagnose a problem. And, you can turn on advanced troubleshooting to capture more data, such as temporary files, to pinpoint the source of a problem.

Reduced Business Risk

Fewer Errors

File transfer errors are usually prevented when using Thru Automate Managed File Transfer. When a transient error occurs, like a dropped FTP session or a brief network outage, Thru Automate MFT automatically attempts to recover and complete the transfer.

When you choose checkpoint restart, Thru Automate attempts to continue processing the file from the point the failure occurred. Most transient file transfer problems are corrected so that the file transfer job succeeds without manual intervention. When a transfer is complete, file integrity is confirmed using a file size or checksum comparison.

Interoperability

Your secure file transfer solution needs to interoperate seamlessly with your partners' current tools and applications. Thru Automate MFT works with existing technologies by adhering to industry standards, such as OpenPGP, secure FTP, SMTP, POP3 and HTTP/S.

Your business partners can continue to use the encryption and file transfer products they have in place. And, if you have existing applications or tools that use PGP keys, you can import all of your keys from your existing PGP key rings.

Recovery

Thru Automate MFT is designed for both expected and unexpected disruptions in your production environment. When you need to upgrade your production environment, you can create a single-file backup of Thru Automate's internal database and restore on any other system running Thru Automate MFT. If your production system goes down unexpectedly, you can have a hot standby ready to run without a disruption in service.

You can archive copies of data files to a central location and, if desired, an additional location. You always have a copy on hand for your own records or to resend to a partner. Archiving to two locations lets you keep one copy accessible to the IT group and another copy for a business group, such as payroll.

Security

Your data must be protected at all times – in transit and at rest. Thru Automate supports OpenPGP encryption and various secure file transports for data protection. OpenPGP encryption lets you protect files at rest both inside and outside the firewall. Selecting secure FTP or HTTPS for file movement ensures that both login information and your data files in transit are protected with your choice of SSH or TLS encryption.

Other sensitive file transfer job set-up data, such as passphrases, passwords, and account logins, need to be protected. Thru Automate ensures internal application security by encrypting sensitive job set-up data before storage in a centralized database. Batch files or registry entries no longer contain unencrypted data.

And, Thru Automate uses secure TLS connections for all communication between Thru Automate components. No unprotected information is sent over your internal network.

Two-factor authentication can protect Thru Automate Managed File Transfer from unauthorized use. Users can be authenticated automatically using their network identity or by entering a Thru Automate username and password – or both.

About Thru, Inc.

Thru began with one distinct mission: Offer enterprise file sharing services that meet the needs of enterprises around the world. With over 13 years originating solutions such as Secure Dropbox™ for business users, Thru has proven that security is the heart of their operation and has taken painstaking measures to defend data and improve business productivity. Today, Thru is trusted in over 70 countries and continues to exchange billions of files each year without a single recorded data breach.

Established in 2002, Thru, Inc., is a privately held company headquartered in Irving, Texas, with offices in North America, Europe and Australia.

Thru Automate MFT is built on Diplomat MFT technology with a 10-year track record of automating complex file transfer environments.

www.thruinc.com

Technical Specifications

Component & Platform Support

Thru MFT Service

- Windows 7 (64-bit)
- Windows Server 2008 R2 (64-bit)
- Windows Server 2012 R2 (64-bit)
- Red Hat Linux (64-bit; x86)

Thru MFT Client

- Windows 7 (64-bit)
- Windows Server 2008 R2 (64-bit)
- Windows Server 2012 R2 (64-bit)

Thru Automate MFT Job Monitor

- Windows 7 (64-bit)
- Windows Server 2008 R2 (64-bit)
- Windows Server 2012 R2 (64-bit)

Thru Automate Cloud Connector

- Windows 7 (64-bit)
- Windows Server 2008 R2 (64-bit)
- Windows Server 2012 R2 (64-bit)

Thru Automate MFT Scripting Agent

- Any system supporting Java
- Runtime Environment (JRE) 1.6.0_04 or higher

Thru Automate MFT Web Launch

- Any system supporting Java
- Runtime Environment (JRE) 1.7 or higher

File Transfer Support

FTP

- FTP (RFC 959)
- FTPS (RFC 2228 with Secure FTP using TLS)
- SFTP (RFC 4253)

Email

- SMTP (RFC 2821)
- POP3 (RFC 1939)
- IMAP (RFC 3501)

HTTP/S

- HTTP/S (RFC 2616)

OpenPGP Encryption

Symmetric Algorithms

- AES (up to 256-bit keys)
- Blowfish (up to 448-bit keys)¹
- CAST5 (RFC2144)
- DES (56-bit keys)¹
- SHA-512¹, SHA-384¹, SHA-256¹, SHA-24¹, SHA-1
- MD2¹, MD5¹
- RIPEMD-160¹, RIPEMD-1601

Asymmetric Algorithms

- RSA (up to 4096-bit keys)
- DSA (1024-bit key only)
- El Gamal (up to 4096-bit keys)
- IDEA (128-bit keys)¹
- Safer (128-bit keys)¹
- Triple DES (56-bit keys)¹
- Twofish (up to 256-bit keys)¹

Interoperability (RFC2440/4880)

- McAfee E-business Server v8.0 - v8.5.2
- PGP Command Line v9.0 - v10.0
- Any other RFC 2440 or RFC 4880
- OpenPGP-compliant product

¹ Only supports decrypting existing messages encrypted with algorithm or encrypting to existing keys specifying algorithm as preferred cipher.

Audit Trail Database

- MySQL Server 4.1 or later
- Microsoft SQL Server 2005 v9.0 or later
- Microsoft SQL Server 2008 v10.0 or later
- Any ANSI SQL-92 compliant database with JDBC support

Contact Thru, Inc.

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