



# Nastel AutoPilot for Managed File Transfer (MFT)

## The Standard for Manage File Transfer Monitoring

### About Nastel AutoPilot for Managed File Transfer (MFT)

Modern enterprises rely upon many thousands (or hundreds of thousands) of managed file transfers (MFTs) every day. These transactions are a critical part of a myriad of business functions. MFT's represent a huge amount of information in numerous data formats being shuttled across IT applications, networks, storage devices, file queues and databases, that must be tracked for regulatory and user experience reasons. If these transfers (of frequently sensitive) data are lost or delayed for any reasons, then business processes can grind to a halt, with major compliance and business continuity consequences. Nastel's AutoPilot for MFT provides the means to monitor, understand, and maintain this vital flow of information, in real-time.

### Features and Benefits:

Feature	Benefit	Description
A Complete Solution	Stop troublesome file transfer problems by leveraging AutoPilot's exceptional monitoring functionality for IBM MQ-centric infrastructures as well as proprietary or other third-party transfer technologies (via plug-in software instrumentation).	Deep, real-time file monitoring and transaction tracking capabilities across disparate technologies in a single, easy-to-use solution.
The Visibility You Need.	Provide critical validation information required by the business, internal governance and regulatory compliance.	Locate, track, identify, and correct delayed and lost file transfers instantly with deep monitoring of file transfer queues and statistics, and transaction tracking.
Immediate ROI	Prevent SLA violations, recover lost files, and resolve transfer issues fast.	Predictive analytics plus anomaly detection and root-cause analysis automation greatly reduces the frequency of delayed or stalled file transfers.
Slash Operational Risk	Improve user experience.	AutoPilot resolves file transfer issues before internal users are inconvenienced and business processes are disrupted.
Cut Support Costs	Achieve business goals	Resolve problems faster and with fewer IT resource demands.
High volume of MFT transfers	Increased user experience and compliance.	Manage hundreds of thousands (or millions) of transfers per month, or more.

Feature	Benefit	Description
Sensitive information	Security Compliance	Monitor who has access, and control security & privacy.
Single Dynamic Dashboard	Unprecedented visibility into the status of your business. Users can drill down on-demand to the root cause of any problem. This dashboard also displays BizTalk runtime status and performance metrics.	AutoPilot's role-based dynamic dashboard provides an end-to-end view of business services, transactions, messaging middleware and applications.
A member of the AutoPilot Family	Drive business transaction and application performance.	AutoPilot for MFT is a member of the AutoPilot family and seamlessly integrates with any of the other modules in the AutoPilot suite to meet the needs of your unique environment.

Payments and order processing, MFT's are another form of critical business transaction's. They depend upon a smooth flow of data across message and file queues, message brokers, apps, DBs, etc.

When this complex orchestration experiences delays (excessive latency) or outright failures, business performance suffers or, in worst-case situations, comes to a halt.

Anyone who is accountable for the overall health, performance, and user availability of their company's application ecosystem is either a potential Nastel AutoPilot end-user or a direct beneficiary of its capabilities.

Fallback to slow, error-prone processes - IT organizations suffer significant productivity hits when personnel perform tedious manual file transfers, are forced to write custom scripts, or complete troubleshooting tasks without software automation assistance.

Lack of visibility - without deep file tracking capabilities, the inability to quickly locate critical files lost or delayed in-transit, or show a cohesive transfer trail for internal auditors and compliance officers, represent serious operational problems.

Security threats - recent studies show no one is safe from multi million-dollar security breaches, and the pressure is greater than ever to maximize security of file transfers

Nastel AutoPilot for MFT manages the information transfer issues related to IBM MQ and other data transfer methods.

Expert business and technical knowledge - more than 20 years' worth of domain expertise (both technical and business) in full middleware stack technologies (IBM and other vendor offerings), including messaging, information transfer, diagnostics, app processes, environments, and technical challenges

Nastel understands the needs of all stakeholders - Nastel applies MFT monitoring and diagnostic solutions that fit the needs of:

- Application owners and support specialists
- IT Ops and DevOps specialists
- User support
- IT admins and developers
- CTOs, CIOs, and technology liaisons to line businesses
- Compliance officers
- Shared services groups
- NOC (Network Operations Center) personnel
- Middleware team

Transferring any file within an enterprise, especially sensitive data like company sales reports, payroll records, HR profiles, contracts, images, videos, etc. is rarely a simple point-to-point exercise.

In many cases organizations rely upon proven middleware messaging or other third-party technologies to perform the actual transfer of file data across an IT infrastructure.

**Platform Description:**

On-premise and/or cloud

## Supported Platforms:

IBM Sterling  
IBM MQ MFT  
IBM MQ  
FTP  
IBM DataPower  
IBM Broker  
Logs  
Java and non-Java application environments

## Summary:

Restoring confidence in critical MFT processes involves establishing a reliable, high-performance means of tracking all file data movements and communicating essential information to stakeholders. Essential tasks enabled by AutoPilot for MFT are summarized below:

## Tracking MFTs

- Intercept all data movement across complex technology landscape
- Connect MFT transfers with all additional downstream events: MFT, MQ, IIB, TIBCO, appliances, etc.
- Apply SLAs and business objectives; generate notifications
- Provide ability to search based on filename or any other MFT attributes

## Visual dashboard

- Show topology and performance of all MFT transactions
- Map MFTs to datacenter/IT topology (servers, storage)
  - Big Data repository to handle large data volumes
- Collect history and provide search, retention, and compliance functions
  - Instrumentation of all MFT support infrastructure
- E.g., MQ, MFT, IIB (Broker), IBM Sterling, etc.
  - Show files by types, source and destination
  - Show failed transfers and transactions
- Show transfer topology visualization across all technologies as well as reasons for transfer failures
- Map MFT to datacenter components (server, storage, etc.)
  - Show MFT performance
- Trigger SLA violations and notifications
  - Retain scalability to monitor millions of transactions per day
  - Provide ability to find each and every transfer and its last state

## Conclusion

AutoPilot for MFT provides a single point of instant analysis and visibility for file transfers across the enterprise. It provides unified analytics that can track files in real-time or perform a historical look-back for trend identification.

Sophisticated statistical functions employing Complex Event Processing (CEP) find subtle performance patterns or transactional misbehavior that otherwise could easily go undetected.

AutoPilot for MFT runs on an exceptionally scalable platform using industry-standard, high-performance technologies such as NoSQL, Kafka, and STORM.

If proven answers to challenging MFT performance and efficiency issues are at the top of your list of requirements, turn to Nastel. For more information, visit our website at [nastel.com](http://nastel.com), or contact us at [info@nastel.com](mailto:info@nastel.com) for more information.

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