

ASSESSMENT

IT/OT File Transfer Readiness

Use this checklist to assess whether your organization is prepared to manage file transfers across **modern IT systems and operational environments** without increasing risk, complexity, or operational overhead.

1. IT + OT Application Landscape

- ☐ We support both **enterprise IT systems** (ERP, CRM, EHR, BI) and **operational systems** (SCADA, MES, PLCs)
- ☐ File transfers are **mission-critical** to business or production outcomes
- ☐ Failed transfers directly impact uptime, compliance, or service delivery
- ☐ Critical data regularly flows between business systems, operational environments, and the edge for analysis, exposing gaps in visibility, security and control

2. IT ↔ OT Network & Security Boundaries

- ☐ File transfers cross **segmented networks, DMZs, or security zones**
- ☐ OT systems are not directly exposed to the internet
- ☐ Strict firewall and port controls are required
- ☐ Credentials and keys are isolated between IT and OT systems
- ☐ Security exceptions are currently managed manually

3. Operating System Diversity

- ☐ We operate across **Windows, Linux, and/or UNIX** environments
- ☐ File transfer services must run **where the data lives**
- ☐ Data flow is uncontrolled as it lacks agents to help move data in only one direction (i.e. low-side to high-side)
- ☐ We want to avoid maintaining different tools per operating system
- ☐ Platform flexibility is required as environments evolve

4. Legacy Processes & Technical Debt

- ☐ FTP/SFTP scripts are still in use
- ☐ Custom schedulers or cron jobs support critical transfers
- ☐ Error handling and retry logic are inconsistent
- ☐ Knowledge is tied to specific individuals
- ☐ Visibility into failures requires manual investigation
- ☐ Physical access (i.e. USB, CD) is commonplace
- ☐ Legacy processes lack ability to integrate with incident tracking systems

5. Tool Sprawl & Team Ownership

- ☐ IT and OT teams use **different tools or approaches** for file transfers
- ☐ There is no shared dashboard across teams
- ☐ Troubleshooting requires cross-team escalation
- ☐ Reporting and audits require data from multiple systems
- ☐ Ownership of file transfer operations is unclear

6. Centralized Control & Visibility

- ☐ There is no single system of record for file activity
- ☐ Logging and retention policies vary by system
- ☐ It is difficult to quickly answer who sent what, when, and where
- ☐ Compliance reporting is time-consuming
- ☐ Change management introduces risk

How to interpret your results

0-5 CHECKED: Environment is relatively simple, but may not scale

6-12 CHECKED: Growing complexity and rising operational risk

13+ CHECKED: Strong indicator that a **centralized, cross-platform MFT strategy** is needed

Organizations at higher scores typically need to prioritize:

- Unified IT/OT file transfer governance
- Cross-platform deployment flexibility
- Centralized visibility, auditing, and automation
- Reduced reliance on scripts and point tools

Why this assessment matters

Modern enterprises increasingly operate across **converged IT and OT environments**. Solutions designed for a single platform or team often struggle as complexity increases. A centralized, secure, and automation-driven approach helps reduce risk while improving reliability and control.

See how robust MFT can help your IT and OT environments.

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