

GO ANYWHERE[®]
Managed File Transfer

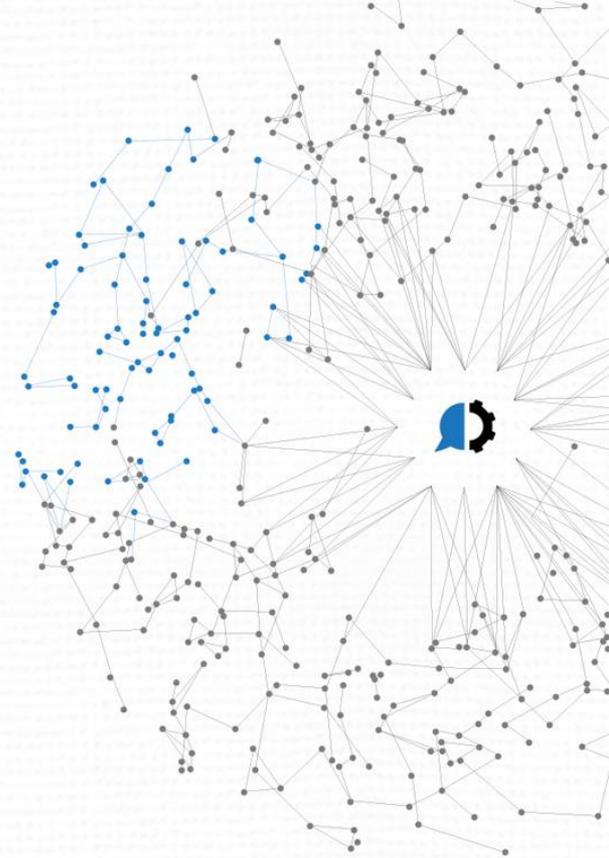
Automating Your
File Transfers

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Agenda

1. The Context
2. Common Issues
3. Why Managed File Transfer
4. Live Demo Use Cases
5. Q&A



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Today's Presenters

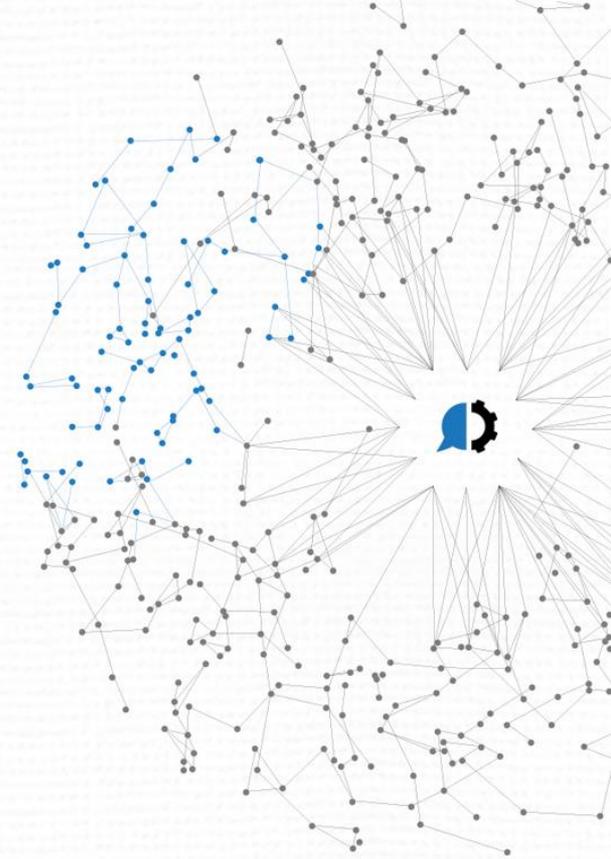


Dan Freeman
Senior Solutions Consultant
HelpSystems



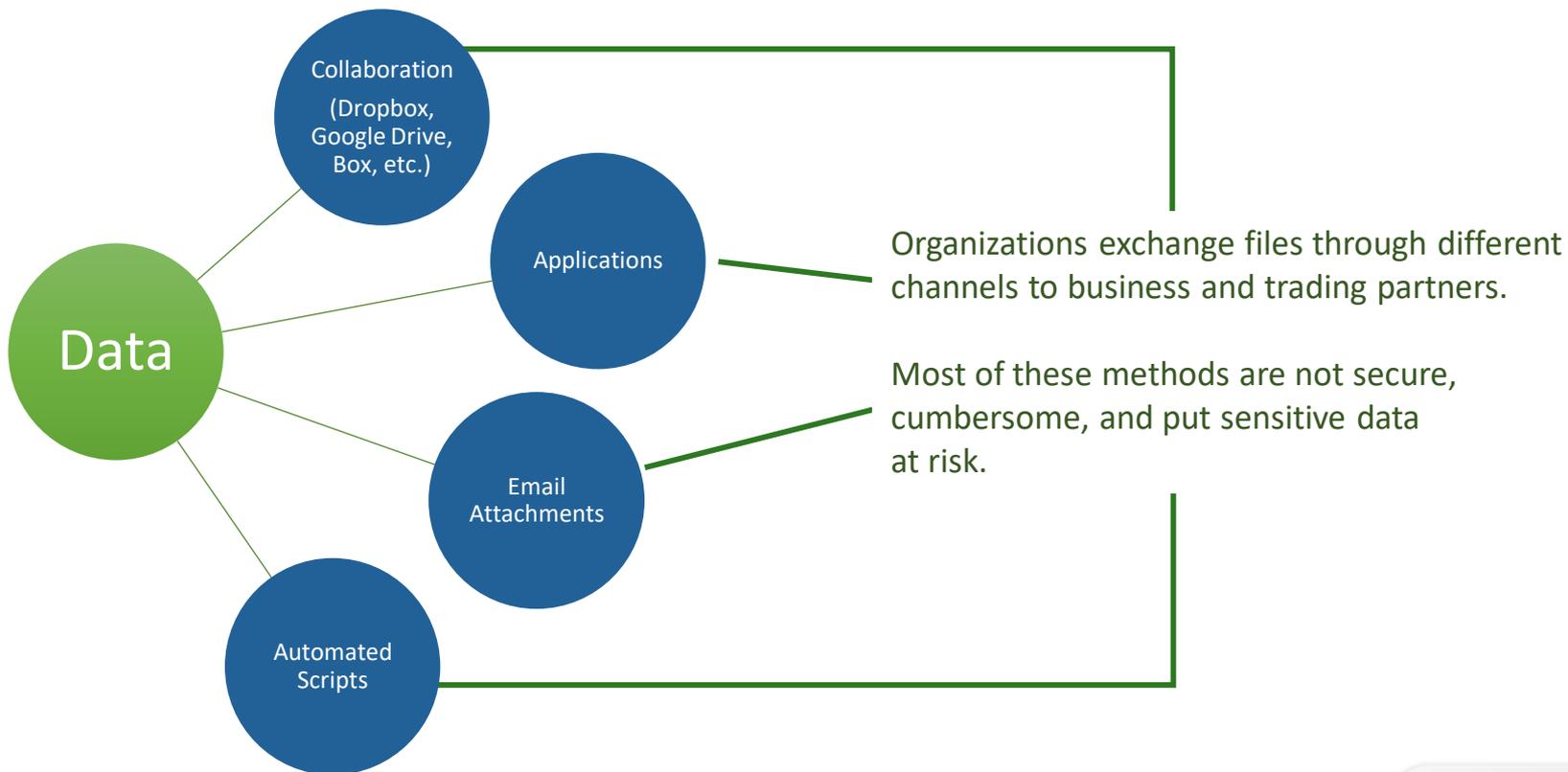
The Context

File Exchange and File Movement



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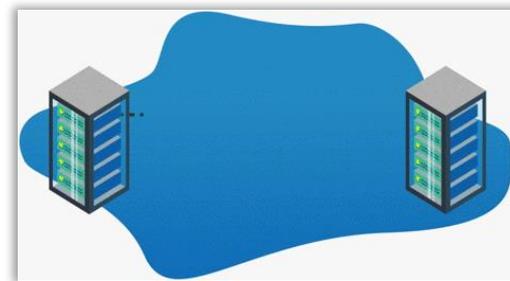
The MFT Context



File Exchange Types

▶ SERVER TO SERVER/PERSON (B2B/B2C)

- ▶ Automated & unattended file transfers.
- ▶ No human intervention.
- ▶ Common channels: FTP, SFTP, FTPS, HTTPS.



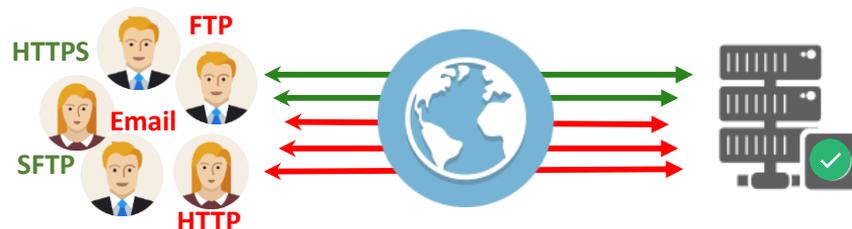
▶ PERSON TO PERSON/SERVER

- ▶ Ad-hoc file transfers.
- ▶ Individual & team collaboration.
- ▶ Common channels: email, FTP, web, cloud services.



External Exchanges

Enable **secure and reliable** data channels to deal with partners, providers, customers, etc.



E2E encryption, at rest, to add an extra layer of protection.



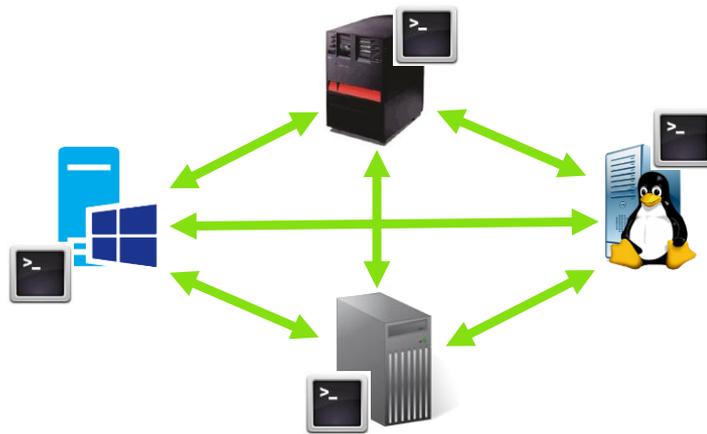
EDI document translation based on homegrown solutions or expensive tools.



Internal Exchanges



Application integration, data workflows, and ETL, based on manual tasks or scripting.



Internal file movement among different servers, platforms, and applications.

Internal Exchanges within Locations

File exchange between **remote locations** (offices, stores, dealers, hotels, etc.) and the headquarters.

- ▶ Different networks.
- ▶ Non-secure channels (FTP, mail).
- ▶ High admin and maintenance costs.



Accelerate transfers of large files between remote sites.



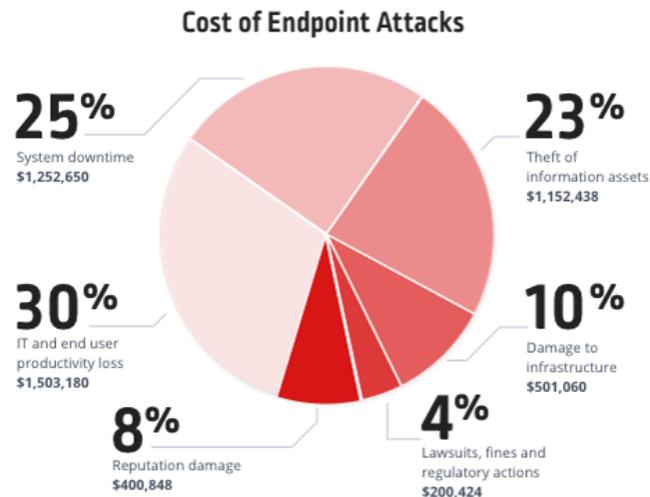
Some Trends in Security

- ▶ **+1.7 billion records stolen in January 2019 from data breaches (2.5 billion in all 2017)**

* 2018 Breach Level Index (BLI).

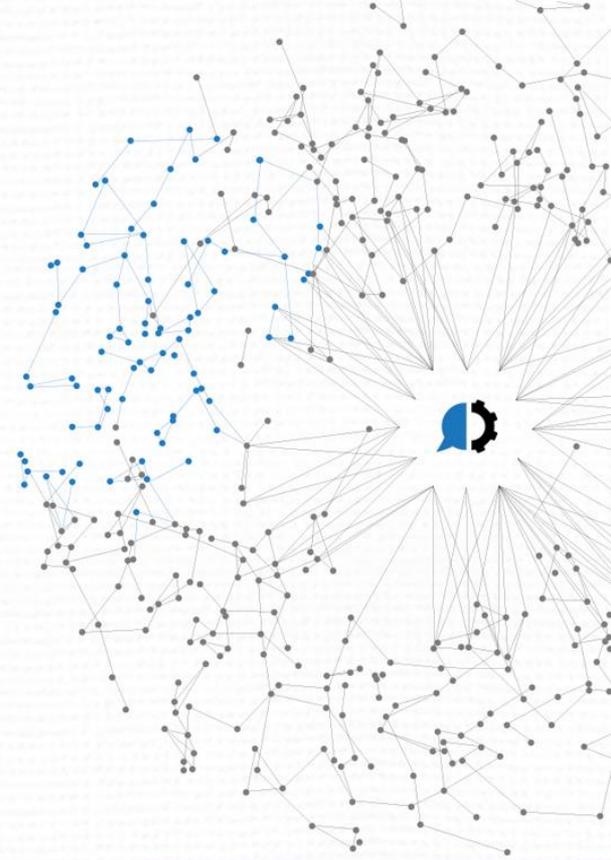
- ▶ **Main trends:**

- ▶ Human error still as a main problem: accidental loss, bad configurations, etc.
 - ▶ Internal threats continue to grow (28% of total).
 - ▶ 58% of the attacks targeting mid-size companies (<250 employees).
-
- ▶ It is estimated that by 2021, damage will cost \$6 billion annually, compared to \$3 billion in 2015.
 - ▶ Gartner estimates that security spending in 2017 was more than \$86.4 billion.
 - ▶ Threats will keep evolving rapidly.





Common Issues



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Development and Maintenance

- ▶ Implementation and changes depend on the Development team.
- ▶ Outdated or misconfigured tools.
- ▶ Difficult to keep the solution up to date with the latest security standards (PCI with TLS 1.2).
- ▶ Heterogeneity of scripts, codes, and programming technologies (Batch, Shell, PowerShell, Java, Python...).
- ▶ Replicated and duplicated scripts.
- ▶ Lack of knowledge of how secure protocols work (SSL, SSH, OpenPGP, AES, DES...).
- ▶ Locating and solving problems is time consuming.



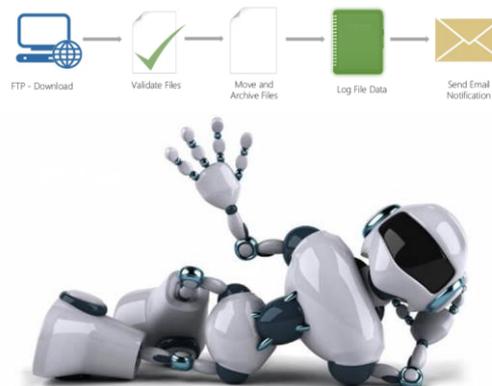
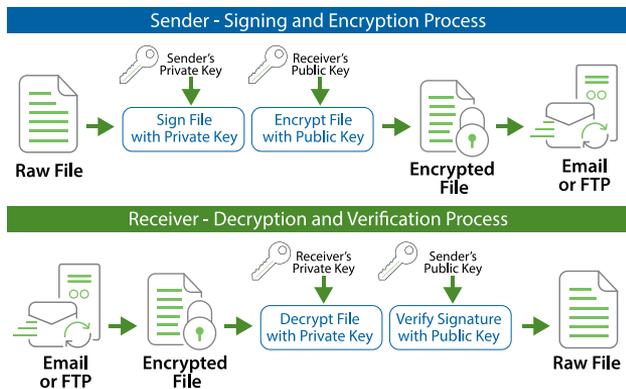
Decentralized Administration

- ▶ Complex administration of various scripts, tools, and solutions.
- ▶ Different applications to activate services to receive information from third parties such as SFTP, FTPS, HTTPS, AS2, etc.
- ▶ Management of service users in multiple applications/systems.
- ▶ No integration with Active Directory/LDAP.
- ▶ Management of encryption keys is cumbersome.



Limited Automation Capabilities

- ▶ Reliability: No auto-resuming and retry mechanisms to ensure delivery.
- ▶ Simple workflows: limited automation for file transfer. No data transformation or integration between applications capabilities.
- ▶ Users manually operating with sensitive data: payment of payroll, orders, etc.
- ▶ File encryption/decryption is still a manual process?



Audit and Notifications

- ▶ No centralized audit trails.
- ▶ Non-existent/incomplete execution log of workflows.
- ▶ File auditing?
- ▶ Mail alerts not always implemented (i.e. user disabled).
- ▶ Audit compliance? GDPR, PCI DSS, SOX, HIPAA, Central Banks and more.

Date / Time	Command	IP Address	User	File	Remarks
3/14/17 7:46:00	Login	209.191.2.3	partnerabc		
3/14/17 7:47:12	Download	209.191.2.3	partnerabc	orders1.csv	
3/14/17 7:47:14	Download	209.191.2.3	partnerabc	orders2.csv	
3/14/17 7:48:16	Upload	209.191.2.3	partnerabc	confirmation.xml	
3/14/17 7:49:18	Logout	209.191.2.3	partnerabc		
3/15/17 3:23:00	Login - Failed	171.8.79.143	root		Malicious user name
3/16/17 0:13:21	Login - Failed	139.224.24.26	admin		5 invalid login attempts
3/17/17 9:05:43	Login - Failed	125.88.74.122	test		Invalid user id



▶ ENCRYPTION

- ▶ Use of unsafe transport protocols... FTP! Also for internal movements.
- ▶ Files being sent without encryption.
- ▶ Use of vulnerable algorithms and encryption.
- ▶ Passwords in the clear as part of script code.
- ▶ Missing a key and certificate management system.

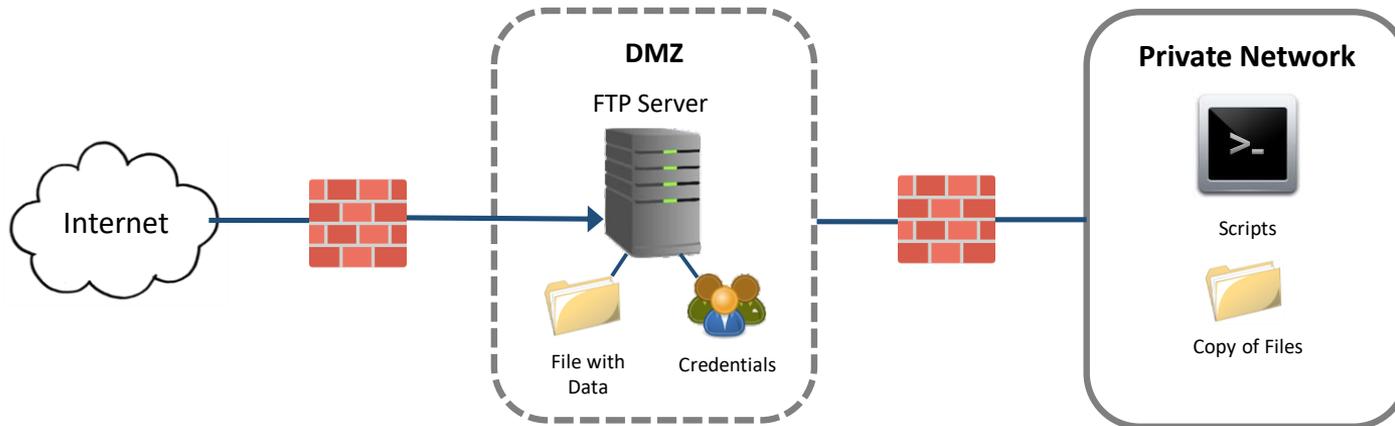
▶ ACCESS MANAGEMENT

- ▶ Segregation of duties?
- ▶ Deactivation of accounts due to failed login attempts?
- ▶ Strict password policies? Multi-factor authentication?



► ARCHITECTURE

- The DMZ network is more vulnerable, and files could be accessed by hackers.
- The credentials are contained outside the security of the private network.
- The availability of the FTP service itself may be compromised.
- Scripts must be created to "move" the files to the internal network.



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▶ AVAILABILITY

- ▶ High Availability?
- ▶ DOS features or Brute Force Attack?
- ▶ High transmission errors and interrupted connections.

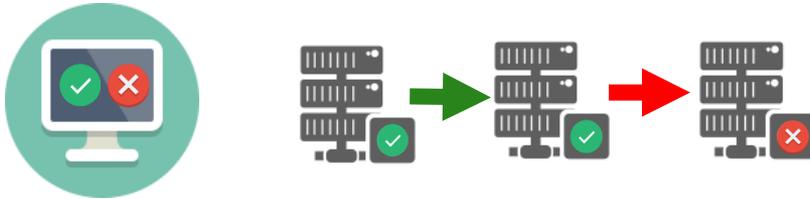
▶ INTEGRITY

- ▶ Has the data been unaltered when received by the recipient?

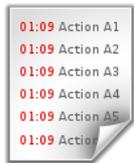
Common Needs



Protect the data that is being exchanged and guarantee the delivery.



Manage and control file transfers from a central site, a single pane of glass.



Regulation compliance: PCI, SOX, GDPR, ISO: encryption, auditing, and reporting.

Why Managed File Transfer



SECURE FILE EXCHANGE MANAGEMENT

CENTRALIZED ADMINISTRATION

FULL TRACEABILITY AND CONTROL

AUTOMATION



Modern MFT Solution

A unified web-based solution that has great technology and is being continually developed



Ease of Use

Easy to deploy, maintain, update, and manage as organizations' needs change or develop



Cross Platform

Our customers have diverse environments and need a solution that deploys everywhere



Extensibility

Meets customers where they are now and in the future with flexible pricing and configuration

2019 Info-Tech MFT Data Quadrant

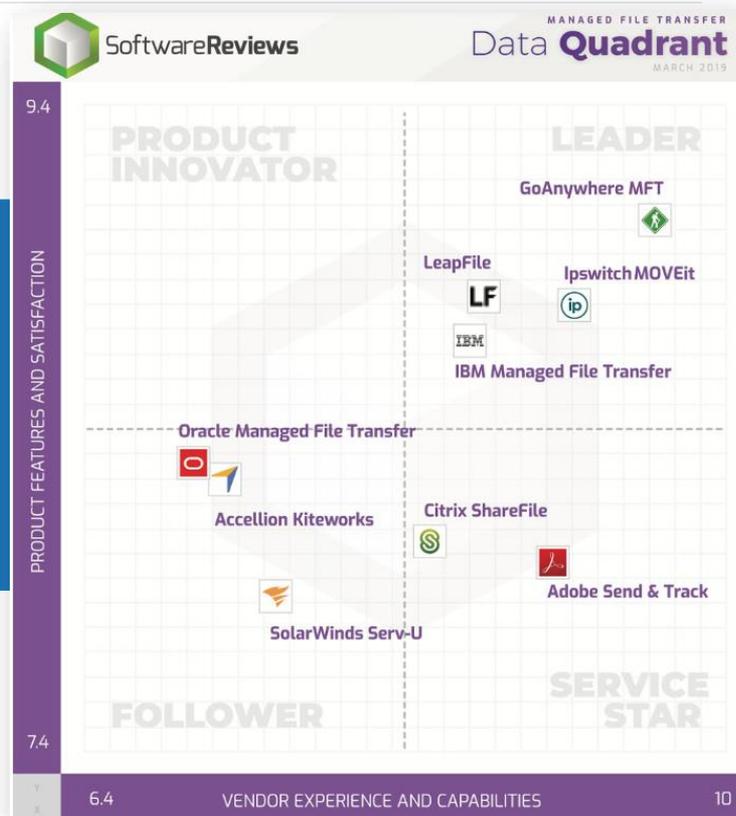


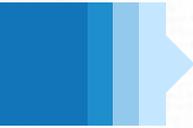
GoAnywhere Leads as #1 MFT Solution, according to Info-Tech Research Group

GoAnywhere lead the way for vendor capabilities, product features, and likeliness to recommend, compared to Ipswitch MOVEit, IBM MFT, and 40+ other file transfer solutions.

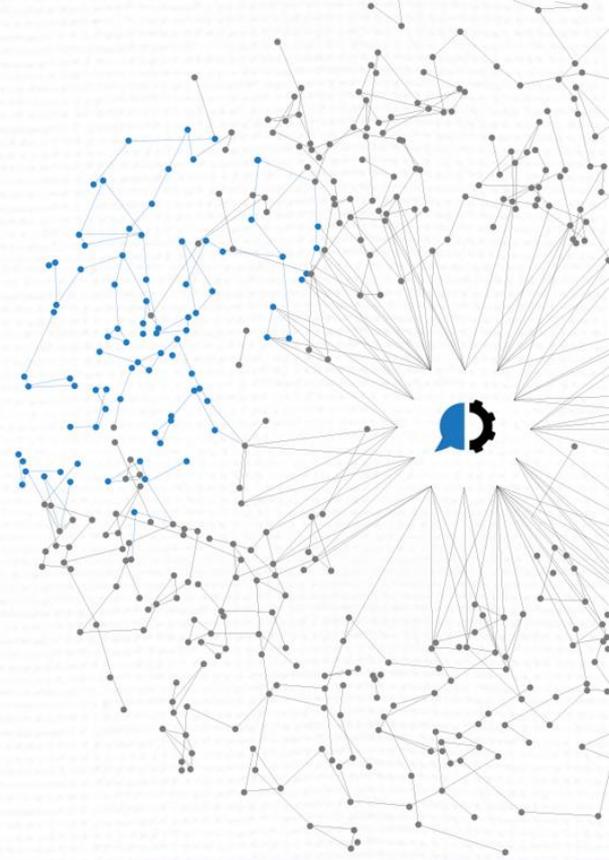


Download the report at
www.goanywhere.com/info-tech





Live Demo



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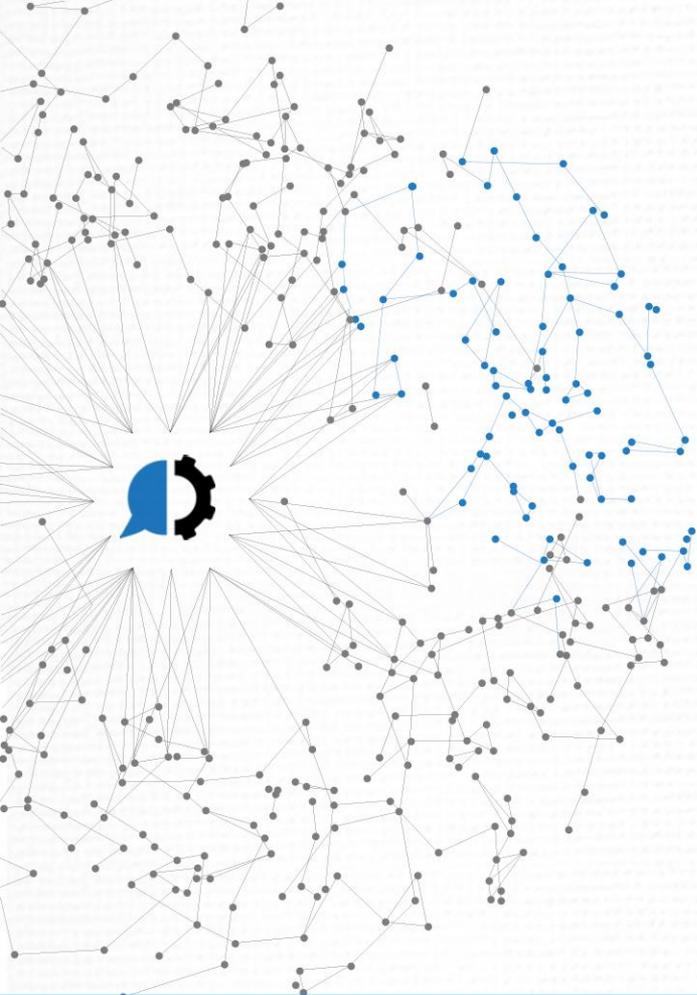


Thank you for joining us!



- ▶ Questions? We're happy to help.
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Any
Questions



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