

Business Connect IBMSoftwareUniverse2013 Meet Possible 19th March, Colombo

Title: Smarter Managed File Transfer

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Designation: Client Technical Professional

Agenda

- Why Managed File Transfer (MFT) ?
- File Movement Patterns
- Common Methods Used
- Common Challenges Faced
- IBM MFT Suite Overview
- IBM MFT Key Business & Operational Benefits

Why MFT?

Files still synchronize the majority of key process inside and outside your business ...

Fulfillment application

Web store application

55%

45%

Files

Other

55 percent of system to system integration is accomplished via files

If the transfer of that file **fails**, the process that depends on it **fails**



Some examples when it doesn't work...

- Banking When the file that connects the web based bill pay application to the accounting system doesn't get delivered every hour,
 - customers bills are not paid and large penalties result



- **Telecommunications** When the customer data file is not synchronized every night between a carrier and Apple,
 - customer is denied upgrade request when they go into Apple store and switch carriers
- Disaster recovery When the daily backup file fails to synchronize the data centers,
 - the company is not prepared when disaster strikes
- Supply chain When the order is not acknowledged,
 - it is given to another provider and the sale is lost

File Movement Patterns

- System Centric movement between disparate systems
- Community Centric movement between enterprises and departments with in an enterprise
- Person Centric movement between people both with in enterprise and across enterprises

System centric



Automated, reliable secure transfers for system integration

Community centric



Edge file gateway for universal connectivity to the business community

Person centric



Simplified transfers built for non-IT users reduce the email attachment risk

Common Methods For Data Movement

- FTP
- FTP (S)
- SFTP SCP
- SMTP email attachments
- HTTP File Uploads
- HTTP(S) File Uploads
- Physical Media

Common Challenges Faced

- No well defined strategy for Secure managed file transfer
- No visibility into what is being moved, when it's moved and by whom
- Customer SLAs being missed; no systemic way of managing SLAs
- Excessive file transfers failures and infrastructure outages
- Takes too long correct failed, incomplete or duplicate file delivery
- Too many calls to business and help desk asking "Where is my file?"
- Takes too long to on-board new customers
- Data security issues/Audit findings
- Operational & process issues due to siloed implementations & management
- Issues with cross platform file delivery/data conversions

IBM Managed File Transfer



IBM Managed File Transfer enables enterprises to reliably and securely govern the critical information flows that run their businesses



Governance

Actionable visibility for business, operations and compliance

System centric



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Emerging use cases

- -



Security

Common proxy services

MFT suite products

Governance

System centric

Community centric





Product

■ IBM Sterling Control Center,

- IBM Sterling Connect:Direct
- IBM Sterling File Gateway
- IBM File Transfer Service
- IBM Sterling myFileGateway
- IBM QuickFile (public beta)

■ IBM Sterling Secure Proxy

Deployment

- On Premise with web and mobile access
- On Premise with broad platform support
- On Premise
- Cloud managed service
- On Premise
- Software appliance

On Premise

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On Premise



What it does

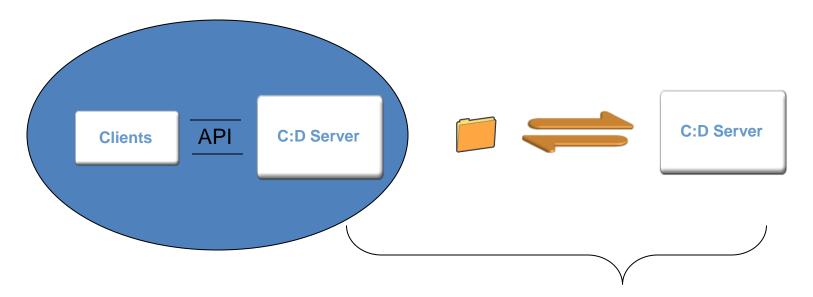
- High volume, large size, high performance file transfers

- Automation, retry-restart, for unattended operations
- -Certified Security to provide sensitive data
- -Increase transfer **Speed** over high speed networks

How it is delivered

- -Client-server application optimized for high volume, assured data delivery
- -Well defined API that supports multiple clients and job scheduling

Understanding Connect: Direct / Architecture



Connect:Direct: a client-server app

- Clients request services from a C:D Server
- Well-defined programmable API
- Variety of client interfaces
- Clients are human users and applications.

Connect: Direct: the file transfer protocol

- Sterling-invented file transfer protocol
- Server-to-server:
- · Reliable and secure

13 March 25, 2013

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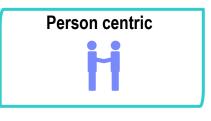
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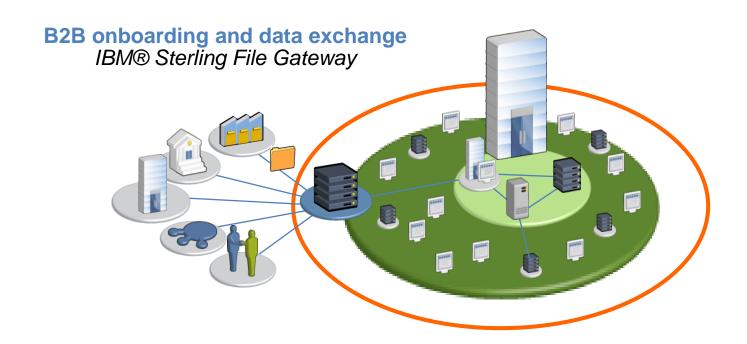
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On Premise

IBM® Sterling File Gateway

Manage "edge" based data exchange with an intelligent centralized gateway



IBM® Sterling File Gateway

An "Edge" based application for exchanging data between partners, customers, suppliers and employees

What it does

- Provides a centralized file gateway for processing inbound and outbound files
- Supports any format, any protocol, any size B2B file transfer
- Enables the transformation of files to optimize data delivery processes

How it is delivered

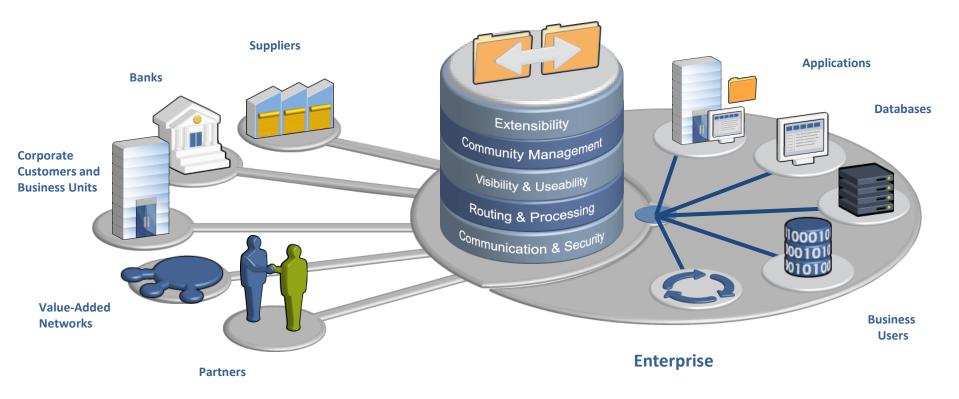
- Application layer built on a B2B integration gateway
- Mail box services and communication adapters
- Partner portal (myFileGateway) for self service

Sterling File Gateway

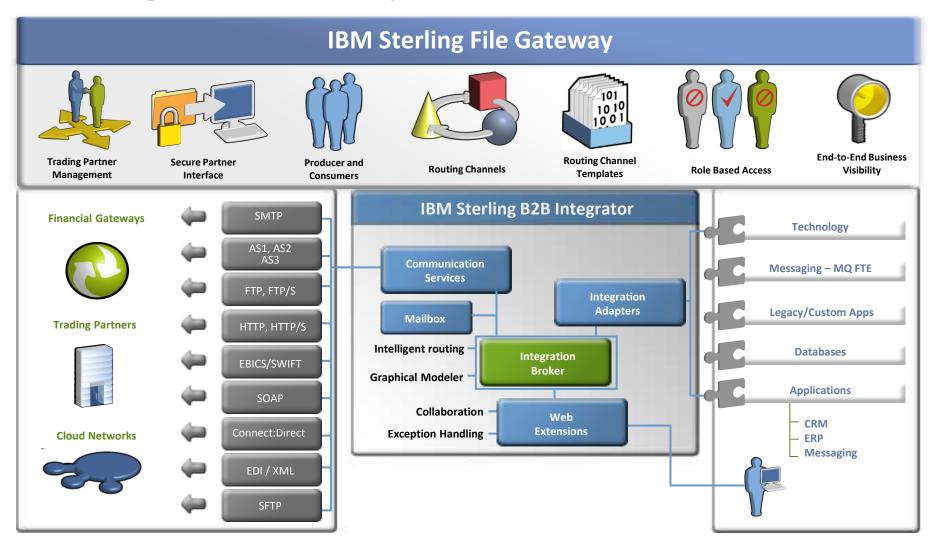
The next generation B2B-enabled managed file transfer solution:

Advancement of capabilities that combine

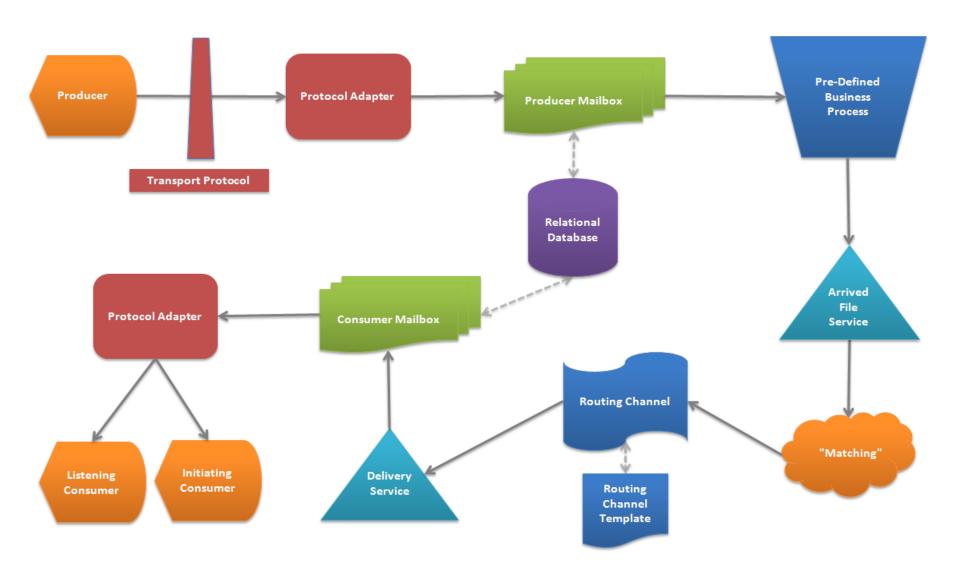
Sterling's leading B2B integration gateway and file transfer solutions



Sterling File Gateway Solution Footprint



Sterling File Gateway Process Flow



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Simplified transfers built for non-IT users to reduce the 'personal' transfer risk

Emerging use cases

Extreme file transfer



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Introducing IBM QuickFile[™] for person centric transfers

Simple

Empowers business users to quickly be productive

Reliable

Built to handle large files with verification of receipt

Secure

Enables corporate security policies to be applied to reduce risk

Enterprise ready

Built with enterprise integration, performance, and scale by the leader in Managed File Transfer







IBM® QuickFile™

Quick to deploy. Quick to learn. Quick to deliver files between people

What it does

- Offers business users a browser based interface to transfer large files to another user without IT involvement
- Applies Managed File Transfer visibility and reliability to person-to-person file transfers
- Helps ensure the security of data in-motion or at-rest
- Removes software limitations to the size of files that can be transferred (through a applet)

How it is delivered

- As a hardened software appliance that prevents access to data or the underlying code
- Shipped as a software image that is run in a VMware ESXi environment
- With a Choice of browsers including Internet Explorer/Safari/Firefox/Chrome

IBM QuickFile - System Requirements



- QuickFile is delivered as Open Virtual Appliance (OVF) software deployed using VMware ESXi 5.0 or later
 - Hardware platforms restricted to those supported by VMware
 - 2 CPUs, 8GB RAM recommended
 - Up to 2TB of virtualized file storage (plus option for network attached storage)
- QuickFile is accessed using familiar web browsers:
 - Internet Explorer
 - Mozilla Firefox
 - Apple Safari
 - Google Chrome Web
- QuickFile optionally integrates with:
 - IBM Sterling Secure Proxy for perimeter security using a DMZ proxy
 - IBM FileNet for content management processes such as file archiving
 - IBM Sterling Control Center for centralized monitoring and reporting
 - Enterprise services, including SMTP, LDAP/Active Directory, external database (HA deployment) and network attached file system (HA deployment)

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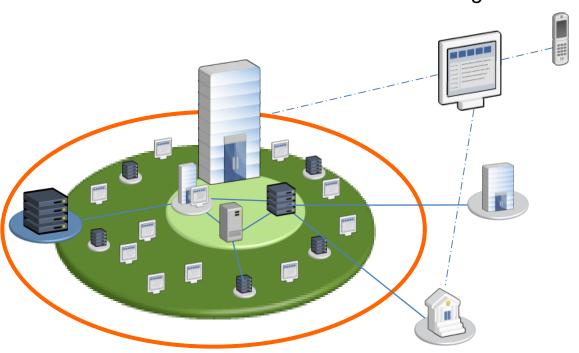
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On Premise

IBM® Sterling Control Center

Gain control and insight of the movement of critical corporate data

Manage and monitor file transfer activity IBM® Sterling Control Center



Deliver higher levels of service

Visibility

- To all business process and file transfer activity
- To environment health
- Through rule-driven service level mgmt
- As proactive alerts

Management

Management

- Of exceptions before they impact SLAs
- By centrally restarting processes
- By configuring Connect:Direct servers to a common policy
- Through interfacing to enterprise system management tools

Compliance

Higher Levels of Service

Visibility

Compliance

 As consolidated logging, reporting, and analytics

Visibility, Management and Compliance

Service Level Management

Where is my file? Where are my business processes?

Asset Management

Where is my software installed and running?

Configuration Management

Are my servers configured correctly? Do they comply with policy?









B2B Integrator



Sterling File Gateway



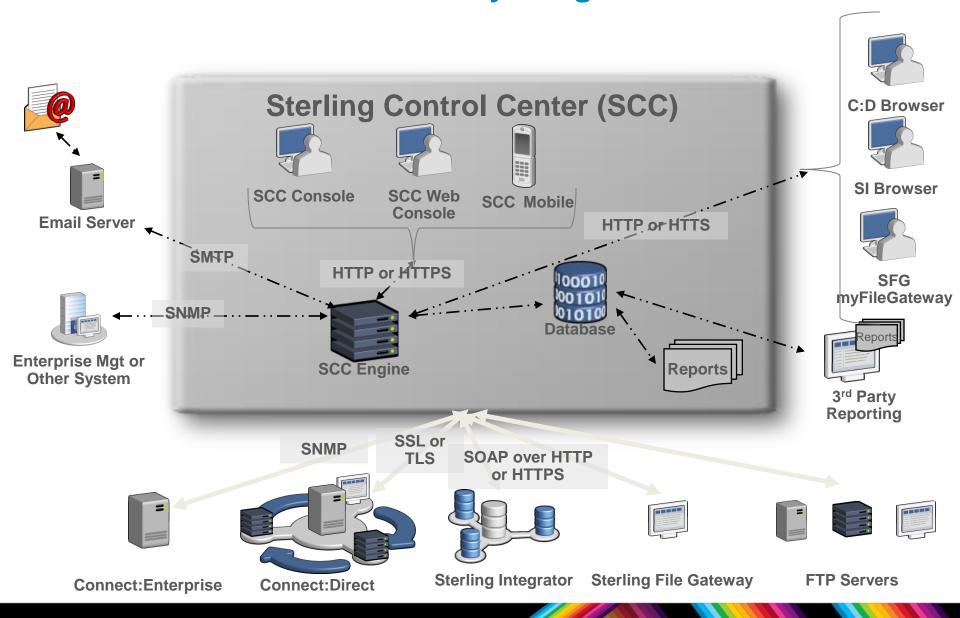




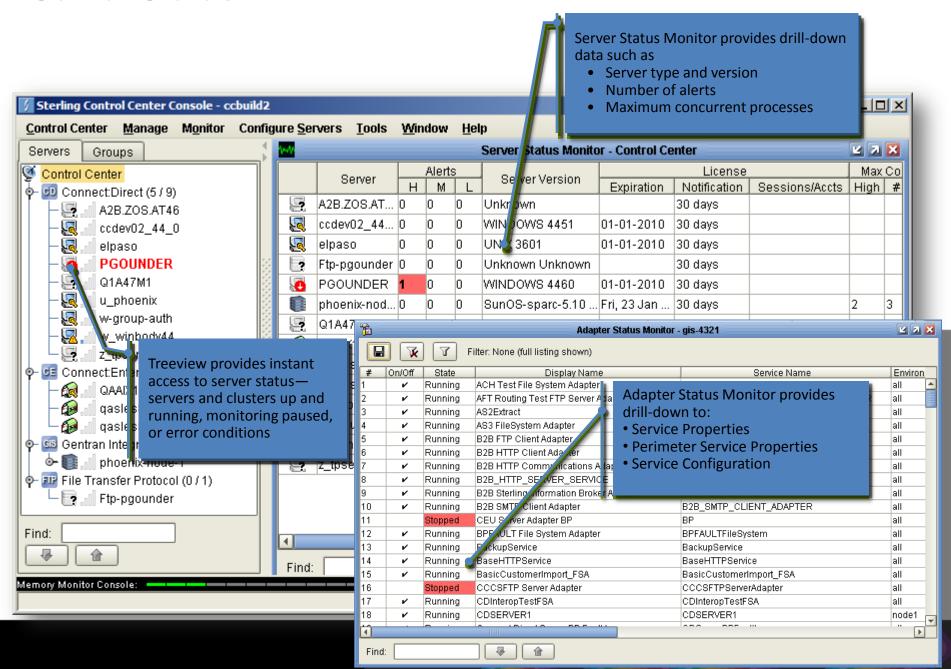
FTP Servers



Secure connections and easy integration



Server Status



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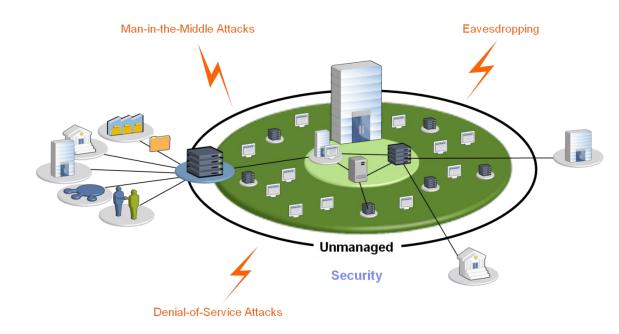
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Market needs for Perimeter Security

Perimeter security is vital for selling B2B and MFT server solutions and provides:

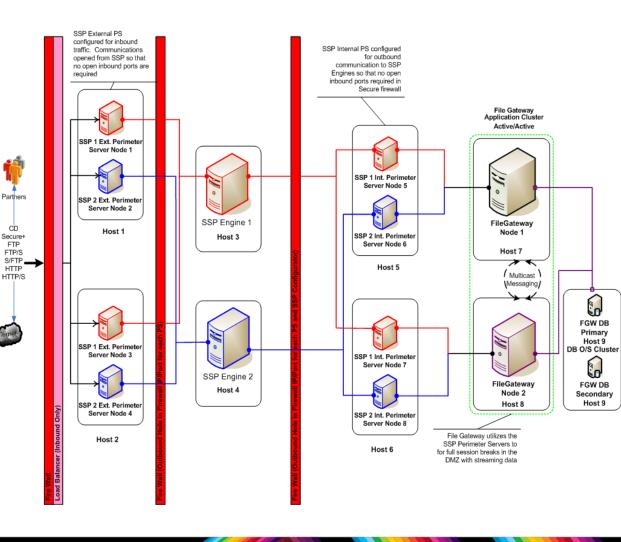
- Denial of service
- Multi-factor Authentication
- Trading Partner Authorization
- Session break
- Minimize holes in firewalls
- No rich content in DMZ



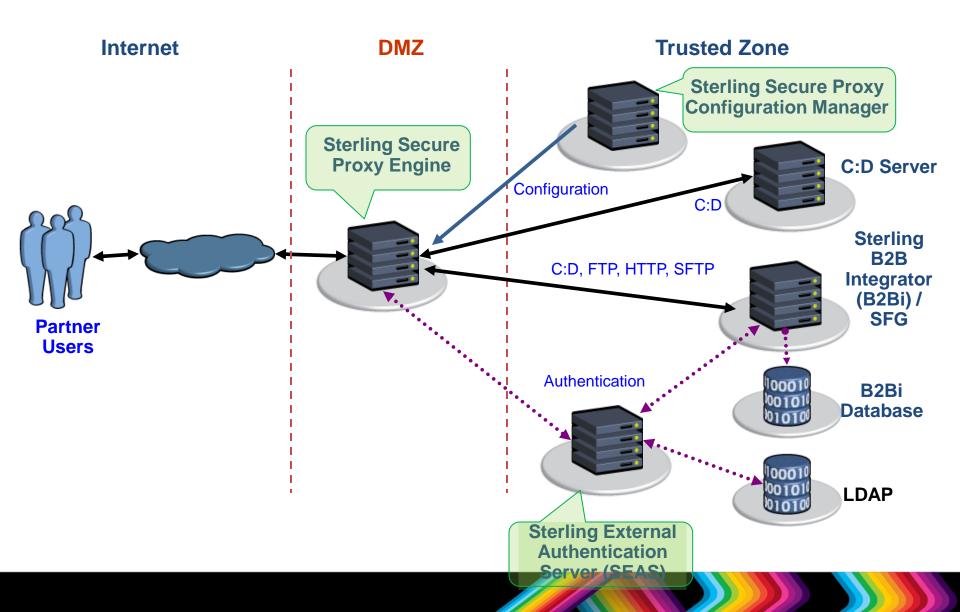
Perimeter security protects your data movement infrastructure

Security features provided by SSP:

- Leverages Perimeter
 Servers
- Provides full session break in DMZ
- Supports multiple HSMs
- Provides authentication as well as validation of all customer sessions
- Provides multi-factor authentication for incoming sessions
- Provides protocol



Architecture



Security - Overview

- Authentication & Authorization
 - Two factor authentication, Userid/Password & RSA Token usage with SFG and SSP
 - LDAP Authentication
 - CRL check
 - Additional certificate checks (i.e. Subject Name lookup via LDAP)
 - Single Sign on to Trusted side application through SAML 2.0 tokens
 - Role-based security provides users access to files, business processes etc
 - Custom Password Policies (length, pattern, expiry etc)

Encryption

- Support for x.509 certificates for encryption, signing
- Secure Socket Layering (SSL) and Transport Layer Security (TLS) with Client Auth, Server Auth & Common Name authentication
- Document Encryption of files on DB and/or file system
- Support to OCSP (Online Certificate Status Protocol)
- Federal Information Processing Standards (FIPS) 140-2 compliant

Extended Security

- Ability to configure HTTP Proxy Server, Sterling Secure Proxy Server, SSP with SSL
- HSM "ProtectServer Gold PCI devices" & "SafeNet Eracom ProtectServer Orange External" are supported

IBM MFT Key Business & Operational Benefits

- Improve the Customer Experience Reduce Time to Market
 - Reduce time to on-board. Recognize Revenue quicker
 - Extend Visibility and Self Service to the Customer
 - Quicker response to File Transfer Issues
- Improve Operational Efficiency Reduce Business Impact
 - Improve File Transfer Visibility
 - Improve File Transfer Reliability
 - Remediate Issues Quicker
 - Reduce number of errors
 - Reduce Call volume with self service
 - Enable Straight Through Processing
- Protect the Brand Reduce compliance risk and security
 - Meet Industry and Regulatory Compliance (e.g. PCI, etc.)

Three questions to determine if you need MFT

- Are your customers (internal and external) demanding greater levels of service or less?
 - SLAs, processing windows, visibility into your internal processes
- Are your business models requiring more information or less information to be exchanged with your value chain?
 - Cloud, resellers, suppliers, acquisitions, outsourcing
- Are regulatory and compliance requirements increasing or decreasing for your business?
 - Fraud detection, security audits, government reporting

Thank You!

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