



Considerations for Implementing FIX

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The Basics

- Trading Platform Considerations
- FIX Connectivity Considerations
- Deployment
- Additional Benefits of FIX
- Summary

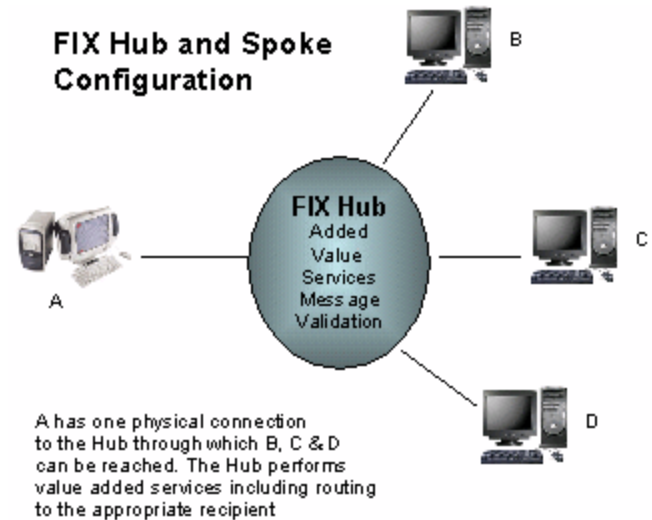
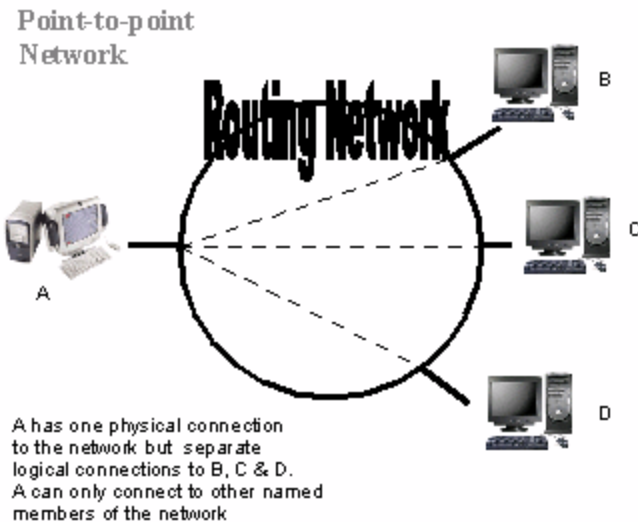


Trading Platform

- FIX Infrastructure / Trading Platform
 - Build or Buy?
 - EMS or OMS? Or Both?
 - Local install? Hosted?
 - Integration effort required
- Workflow Requirements
- On-going cost of ownership
- Scalability Requirements

FIX Connectivity

- Point to Point Network
- Hub and Spoke Connectivity



More Info: www.fixprotocol.org/implementation-guide/network.shtml



FIX Connectivity

Point to Point

- Multiple connections
- Dedicated IP and Port for each connection
- Network level managed services
- Certification required with each counterparty
- EOD process with each counterparty
- No message validation
- Lower latency due to direct connections

Hub and Spoke

- One-to-many connections
- Application level managed services
- Single Certification required with Hub
- Single EOD process with Hub
- Streamlined Operations & Infrastructure
- Hub adds value – but can potentially limit functionality

More Info: www.fixprotocol.org/implementation-guide/network.shtml



FIX Connectivity

- Key Aspects
 - Scope of “Managed Service”
 - Community
 - Value Added Services
 - Resiliency Considerations
 - Flexibility for future changes / enhancements
- Trading Requirements
- On-going support

More Info: www.fixprotocol.org/implementation-guide/network.shtml



Key Consideration – for the Brokers

- HOW DO MY CLIENTS WANT TO CONNECT TO ME?



Deployment & Testing

- Deployment is Customized in almost EVERY case
- Project Management is KEY
- Internal Deployment Processes
- External Deployment – Rules of Engagement
- Testing
- Leverage the resources available:
 - Counterparties
 - Vendors
 - Peers
 - FPL: <http://fixprotocol.org/implementation-guide/testing.shtml>



Connecting to Counterparties – Rules of Engagement

- Certification
 - Network Level
 - FIX / Session Level
 - Message / Application Level
- Details to confirm with counterparties
 - FIX version
 - Comp IDs
 - Start of Day / End of Day
 - Order / Message types to support
 - Markets & Asset Classes
 - Symbol Sets
 - Custom Fields
 - Regulatory Requirements
 - Algo Support
 - ... and More!
- UAT Environment
- Production Tests
- Go Live!

- More information: <http://fixprotocol.org/implementation-guide/rules.shtml>



Additional Benefits of FIX

- Extended Uses:
 - FIX can support multiple asset classes: FX, Futures, Options, Fixed Income
 - FIX can be extended to pre-trade and post-trade functions
 - IOIs / IOLs
 - Allocations
 - Securities Lending*
 - Executable IOIs*
 - Facilitate “Best Execution”
 - Access Alternative Trading Venues
 - Smart Order Routing
 - Algorithms
 - Flexible
 - Compatibility
 - “Best of Breed” Services as required
- Customizable & Evolving
 - FIX is an open platform to support custom tags and requirements as needed
 - FIX is continually evolving to suit needs of trading community
 - FIX is defined by the industry for the industry



Summary

- Key Considerations for Trading System & Connectivity:
 - Workflow Requirements
 - Trading Requirements
 - Endless options to suit each firms' needs
- Deployment
 - Project Management
 - Rules of Engagement & Best Practices
- Benefits
 - Streamline operations
 - Enhance entire trading process
 - Leverage existing knowledge base
- Get Involved!
 - FPL welcomes participation: help FIX evolve to support evolving needs of trading



Thank you for your attention!

More Information:

www.fixprotocol.org/implementation-guide/

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