

What's covered here?

- Data Movement Concepts

Understanding Data Movement

- What are the business requirements that drive data movement?
 - Transactional, Reporting, Analysis, Maintenance
 - Data Freshness
 - Real Time, Near Real Time, Daily, Weekly, Archive
 - Do we move data to an external system?

Understanding Data Movement

- How much data are we moving?
 - Small Volume
 - Replication
 - Web Services
 - Asynchronous queues
 - REST/ODATA
 - Large Volume
 - Backup
 - File Transfer
 - ETL

Understanding Data Movement

- Can we automate the data movement process?
 - System Integration
 - SQL/OS Tools
 - DFS
 - FTP
 - Robocopy

Understanding Data Movement

- How long do we need to keep data?
 - *Data Retention Policy*
 - Use secondary and less expensive storage to store stale data
 - SQL Filestream
 - Remote Blob Storage (RBS)

Understanding Data Movement

- Security is a major concern
 - Network and Internet
 - SSL
 - Encryption
 - Physical Media
 - Dependable carrier
 - Tamperproof container