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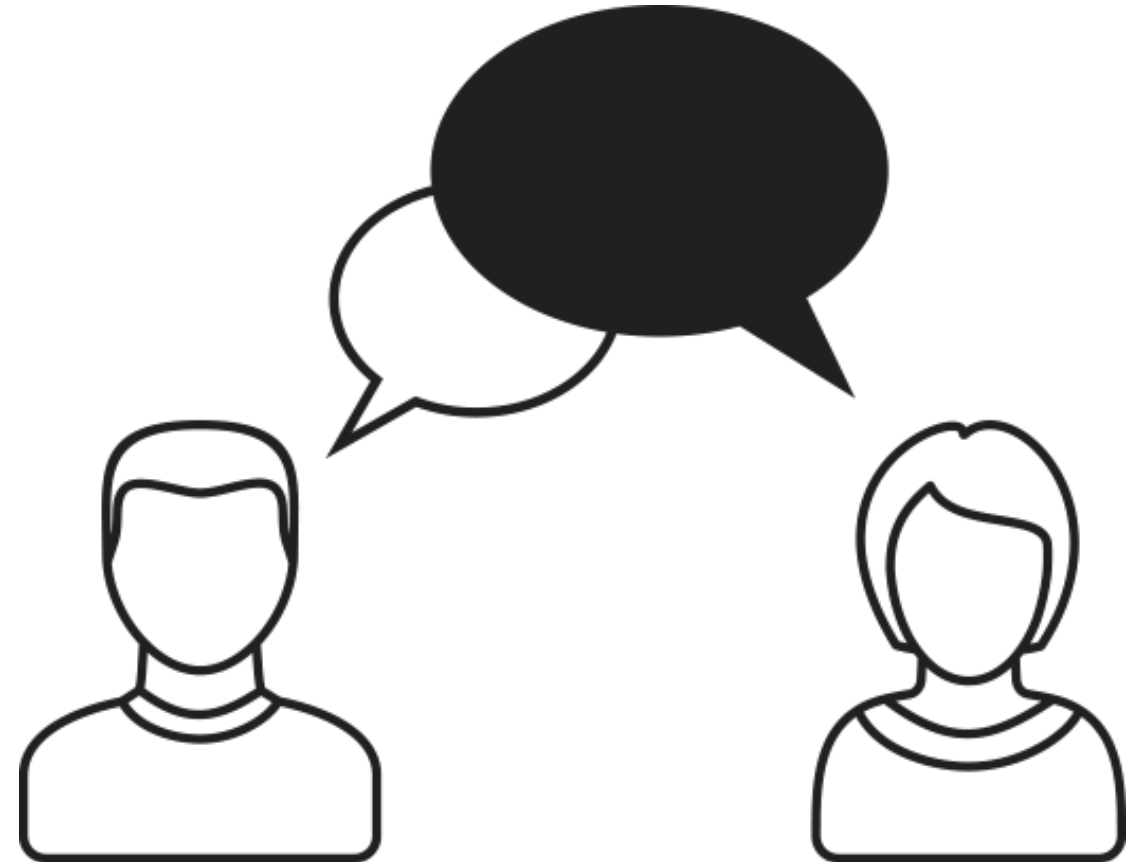
Building File based Integration | Lab

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Introductions

- Take 5 Minutes
- Turn to a Person Near You
- Introduce Yourself



Agenda

- Why Integrate
- Frequency of Integration
- Integration Methods
- Common Integrations
- Lab
 - Define Requirements
 - Design
 - Configure
 - Build
 - Execution and Testing

Integrations

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Why Integrate

- Facilitating business process
- Eliminating administrative activities
- Eliminate double entry
- Data consistence
- Reduction of license costs
- Reporting

Integration Frequency

- Near real time, daily, weekly, monthly
 - On event
 - Scheduled job
 - On Demand
- Prior to working day
 - OBS, Resource data
- Before posting
 - Time entry
- After financial close
 - Outbound financial transaction

Integration Methods

- Application Hosting (SaaS, externally hosted, On Premise)
- Directionality (In, out, both)
- Web Services (REST or SOAP)
 - Available for On-Premise and On-Demand
 - Great for real time interfaces
 - Small volume of data
- Flat file
 - Available for On-Premise and On-Demand
 - Batch interface
 - Large volume of data

Common Integrations

- HR (Peoplesoft, SAP, Oracle, Active Directory) – Flat File
 - User provisioning
 - Employee reporting data
 - Organizational Structure (OBS)
- Financial (SAP, Oracle) – Flat File
 - Timesheet data
 - Financial transactions
 - Cost plans
- Agile (Rally, V1, Jira, TFS) – Web Service API
 - Project lifecycle
 - Time entry
 - Capitalization expense
- ITSM (ServiceNow) – Web Service API
 - Demand and idea management
 - Ticket escalation

Lab

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Requirements

- Inbound resource interface
- File Integration
- Pipe delimited file
- Data – 2016 World Series Champion Chicago Cubs roster
 - Resource ID
 - Last Name
 - First Name
 - Email Address
 - Resource Manager
 - Employment Type



Design

- Consume file data
 - Staging object
 - Xog vs SQL Insert
- Validate data
 - Warnings vs critical errors
 - Record status and record details fields
- Process data
 - Xog in new or changed records
- Error check

Configure

- Create Staging Object
- Create attributes
- Add Record Status and Record Details
- Configure Create and Edit pages
- Configure List page
- Configure filter

Build

- Consume file data
 - Remove existing data
 - Insert file data
 - Get the next table ID
 - Bind Variables
- Validate data
- Process data
 - Exclude records that failed validation
- Provide results



Integraion Step 1 - Consume Data.txt



Integraion Step 2 - Valiate Data.txt



Integraion Step 3 - Load Data.txt



ResourceFlatFile.txt

Questions?



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