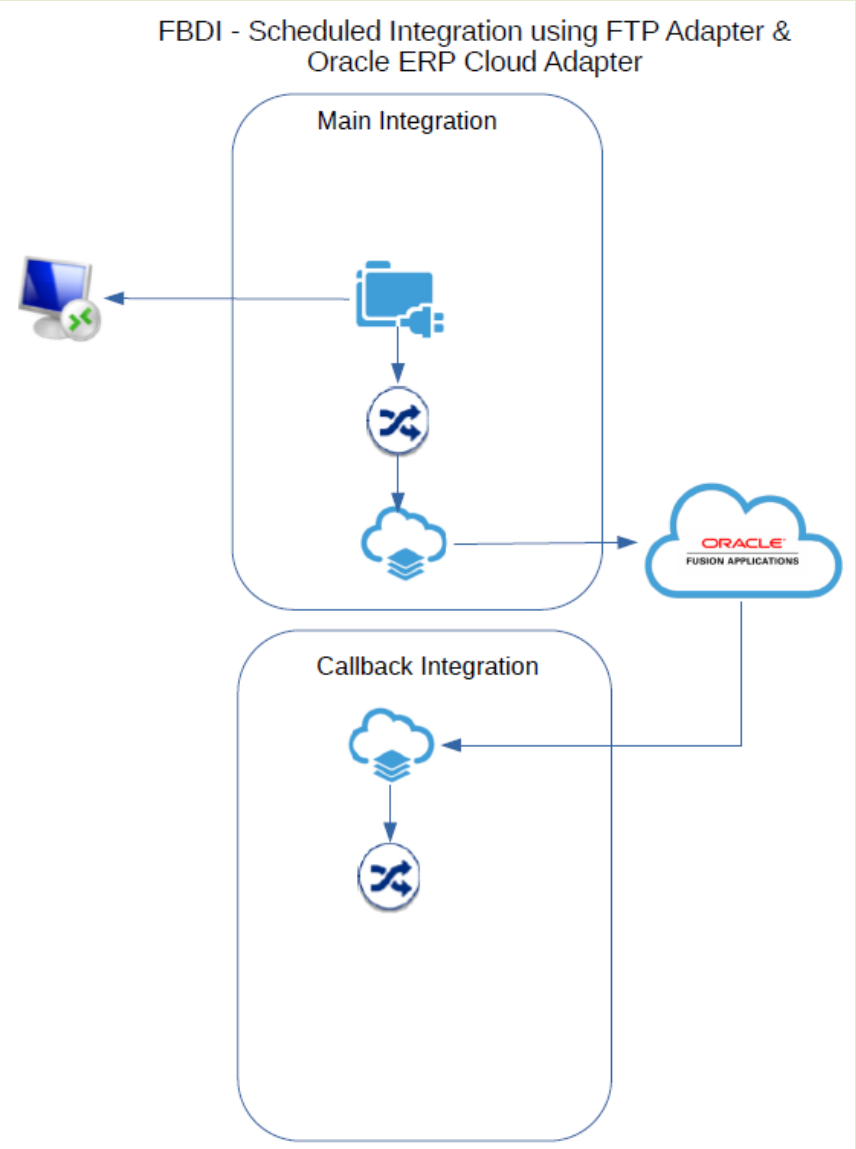
Inbound FBDI Based Integration with Fusion SaaS using Oracle ERP Cloud Connection



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- Use Case – **Import Journals**
- Integration Style: Scheduled Orchestration
- Connections to be created/ used
  - Oracle Cloud ERP
  - FTP
- Mapping
- Properties File – Why? How it looks like?
- Variables & Hard coding
  - All Variables that will be used in the integration are pre decided and captured.
- Future Enhancements
  - Ledger Id and Data Access Set Id will be derived before hand. Will be enhanced as part of ***Outbound Integration from Fusion SaaS using SOAP Connection*** session.
  - Migrate all hard coding to Lookup. Will be enhanced as part of ***Lookups in OIC*** session
  - Handle Exception – Let's say BI Report is not migrated or doesn't have access to run the report then, handle the exception in local scope and record in database log and rethrow to global scope to send error notification to a group of people and fail the OIC instance. Will be enhanced as part of ***Exception Handling & Logging with Notifications*** session

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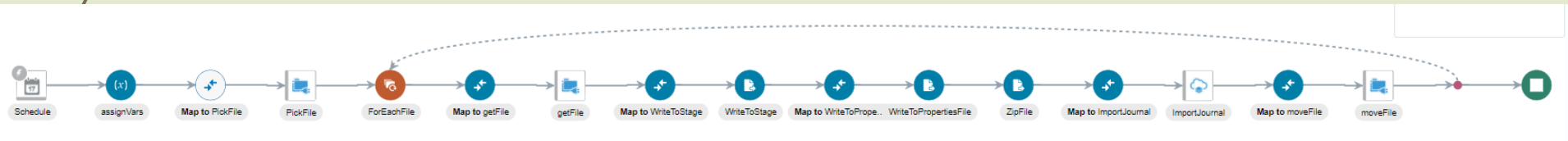
- Assumptions
  1. Data Access Set is "US Primary Ledger" and converting for only one Data Access Set.
  2. Source File will be Ledger based.
  3. Ledger Id and Data Access Set Id will be derived before hand for FBDI compliant .csv and .properties file.
- Integration will look like
  1. Integration will start as per schedule can be scheduled at pre-defined internal or at time ad-hoc
  2. Assign and define all the variables which will be used across the integration. Keep adding as and when created anywhere in the integration



  3. Use FTP Connection to list the files of particular name pattern from directory being mapped in the mapper prior to FTP Connection.

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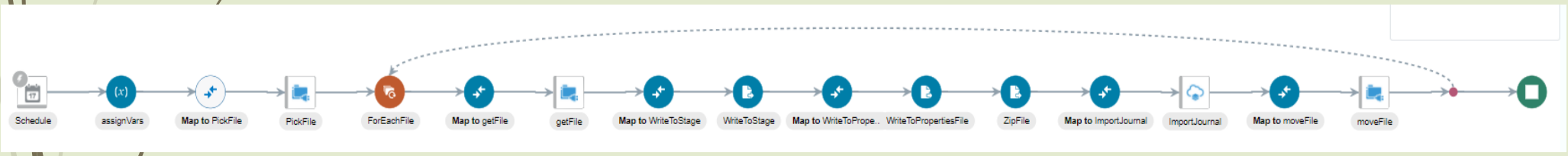
4. Iterate through each file and do the followings:

   a) Read the file. (Refer Sample file – how Journal source file looks like).

   b) Write to Stage (Temporary memory space to store files in OIC and purely session based) in the form of journal csv which is generated from Journal FBDI Template and used to load in Fusion. For mapping, refer mapping document.

   c) Write to Properties file. Properties file contain information about Job Package Name, ESS Job Name, Parameters etc. (Refer Sample .properties file).

   d) Zip both .csv and .properties kept at the same path in stage area



   e) Use Oracle Cloud ERP Connection to invoke Import Bulk Data into Oracle ERP Cloud to import journals.

   f) Post that move/ archive the source file to archive folder in FTP server for couple of reasons, one, the same file doesn't get processed again and second for future reference.

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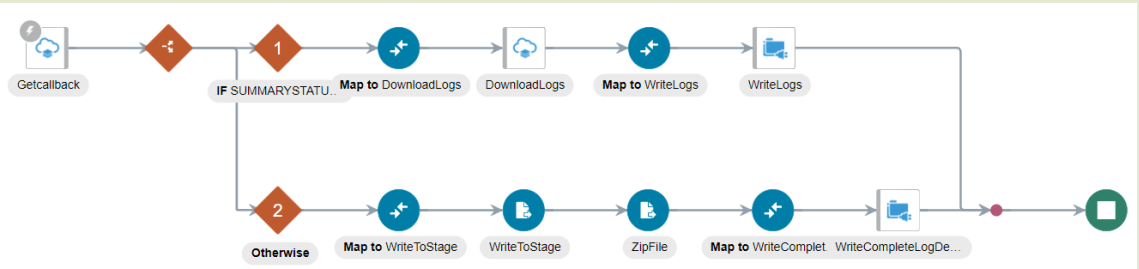
- Use Case – **Import Journals Callback**
- Integration Style: App Driven Orchestration
- Connections to be created/ used
  - Oracle Cloud ERP
  - FTP
- Integration will look like

1. Oracle Cloud ERP Connection will be triggered as soon as the Import Journal ESS Job is completed irrespective of status (SUCCEEDED or FAILED). Callback from Fusion has become event based now unlike earlier where ESS Job explicitly used to invoke the callback integration.
2. If the status of the “Import Journals: Child” Job is SUCCEEDED then use Oracle Cloud ERP Connection to invoke ERPIntegration SOAP Service to download output of “Import Journals: Child” and place in the FTP server using FTP Connection.
3. Else, download the entire summary of ESS Jobs being submitted and Process Ids and zip the file and place in the FTP server using FTP Connection.



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