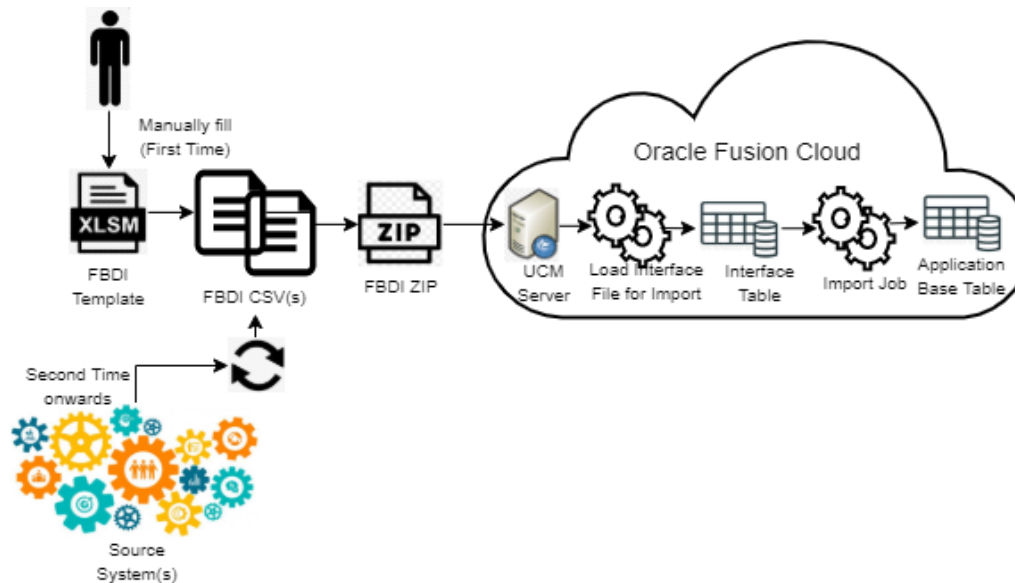


Data Conversion Methodologies in Fusion

- **File Based Data Import (FBDI):** In order to import bulk data or huge set of data (Millions+), FBDI is the preferred option. Let's take a look at the FBDI process.
 1. Basically it provides excel (.xslm) templates to populate data (first time).
 2. Generate .csv(s) for each sheet in the template and zip. Next time onwards, source system will provide the FBDI csv(s). But if the source system sends data in different format than FBDI prescribed csv, data needs to be transformed to FBDI csv.
 3. Upload the FBDI zip to UCM.
 4. Submit Load Interface File for Import ESS Job to import data to interface table(s)
 5. Submit the respective Import Job to import data into application base table(s)

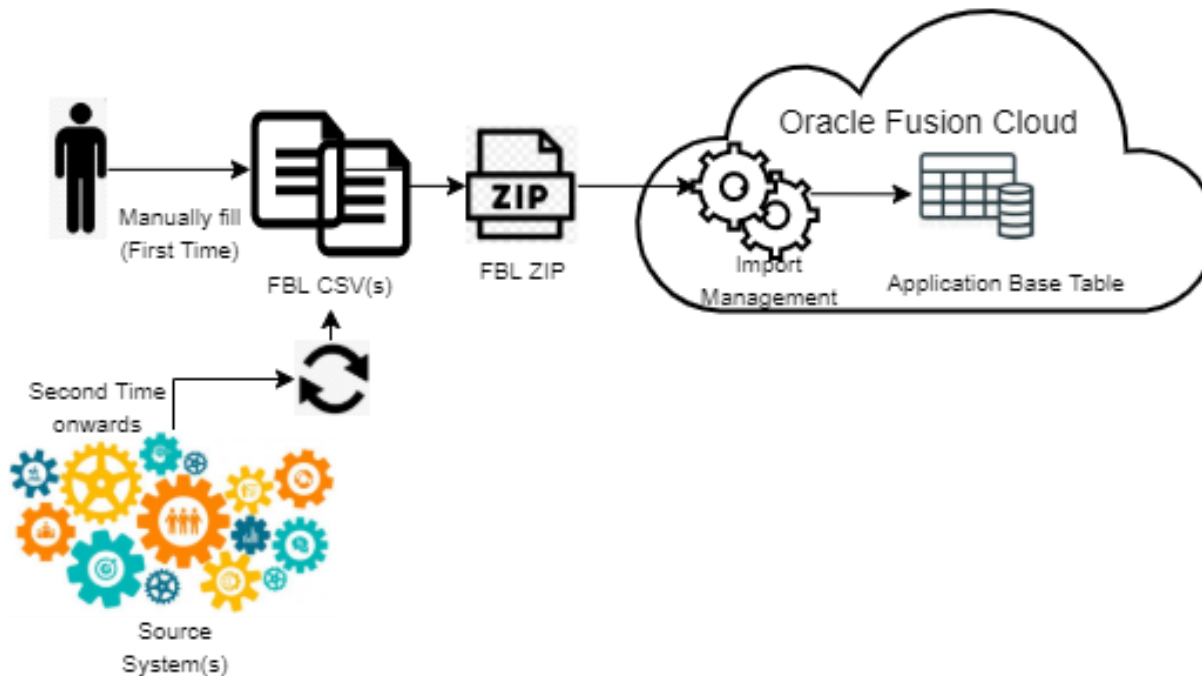


Aspect for Automation:

1. Data Preparation and Data Quality assessment can be done using a intermediary Database Layer.
2. Submission of Import Process can be automated through importBulkData REST API or SOAP Service

Data Conversion Methodologies in Fusion

- **Import Management – File Based Loader (FBL):** Few objects are designed to be uploaded in bulk (Thousands+) through csv File Based Loader through Import Management. Let's take a look at the process.
 1. The template with csv(s) bundled in a zip needs to be downloaded from Import Objects of Import Management.
 2. Unzip and fill data into csv(s) and zip. First time, data is fed manually to analyze the behavior of the data and once data looks good, source system can generate data in the form FBL csv only but if the source system sends data in different format than FBL csv, data needs to be transformed to FBL csv.
 3. Navigate to Import Queue under Import Management to upload file and submit the process.

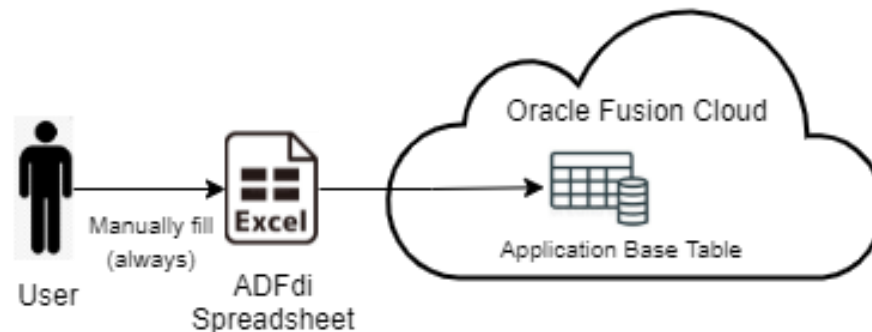


Aspect for Automation:

1. Data Preparation and Data Quality assessment can be done using a intermediary Database Layer.
2. Submission of Import Process can be automated through importActivities REST API.

Data Conversion Methodologies in Fusion

- **ADFdi Spreadsheet Based Loader:** This is another approach to load data in bulk (in the range of a few hundreds to a few thousands). Let's see how data load happens through ADFdi Spreadsheet Loader:
 1. The ADFdi Spreadsheet needs to be downloaded from Task list of the concerned Data Object provided if Oracle allows data load through spreadsheet loader.
 2. Fill the data manually always.
 3. Upload Data into Fusion

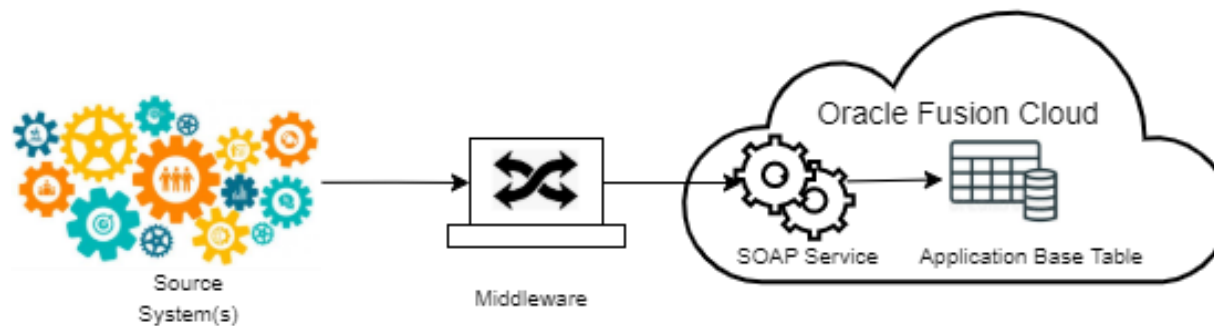


Aspect for Automation:

1. Data Preparation and Data Quality assessment can be done using a intermediary Database Layer.

Data Conversion Methodologies in Fusion

- **SOAP Web Services:** This another approach to load data into Fusion. SOAP service allows to load single data point at one point in time (e.g **one Purchase Order** with multiple lines, distributions, Shipments). Process is simple, lets have a look:
 1. Find the SOAP Service from docs.oracle.com
 2. Test the service in SOAP UI.
 3. Load manually if there are handful no. of records

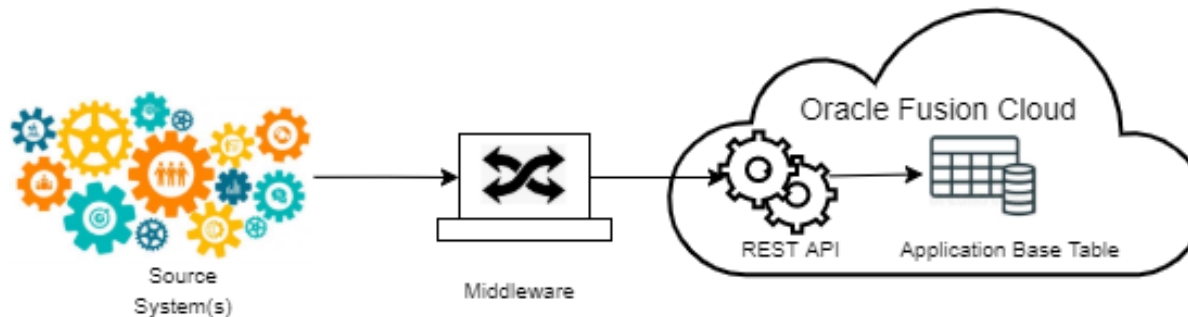


Aspect for Automation:

1. Data Preparation and Data Quality assessment can be done using a intermediary Database Layer.
2. Bulk Data can be imported using Middleware Layer (OIC, SOA Suite) or Database as well.

Data Conversion Methodologies in Fusion

- **REST API:** This another approach to load data into Fusion. REST API allows to load single data point at one point in time (e.g **one AR Invoice** with multiple lines, distributions). Process is simple like SOAP Web Service, lets have a look:
 1. Find the REST API from docs.oracle.com
 2. Test the service in SOAP UI or Postman
 3. Load manually if there are handful no. of records



Aspect for Automation:

1. Data Preparation and Data Quality assessment can be done using a intermediary Database Layer.
2. Bulk Data can be imported using Middleware Layer (OIC, SOA Suite) or Database as well.