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| Justin Pope  8-19-2022 |

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| INVOICE AND INVOICE LINE ITEM REQUIREMENTS DOCUMENT |
| *SDM 30434: SugarCRM Invoice Import* |

# Purpose

This document will be used to outline the requirements for creating Invoice and Invoice Line Items exports into SugarCRM. These exports will be integrated into the Talend SugarCRM job. New SQL objects and structures will be created to support these exports.

# functional Requirements

1. The Invoice and Invoice Line Items will be integrated into the new Talend SugarCRM Job.
   1. Data updates to Talend System tables.
   2. Procedure updates to account for new export types
2. Create SQL Tables, Procedures and functions to accommodate data collection
   1. Reference table and Audit table for both exports. The structure will reflect the structure outlined in the [SugarCRM Field Definition](https://summerclassics.sharepoint.com/:x:/s/SugarCRM-ADMIN/EXsTymsyRmJFiHmX6ovocYwB6AXRAbr5CZlFCe0_SSbVpQ) provided by Meagan.
   2. Update Procedure to capture new and updated records from Syspro and determine changes needed to be sent to SugarCRM.
   3. Flagging Procedure to mark records have been sent.
   4. Functions to query records to send.
   5. Functions to create the json outputs needed for Upserts endpoint.
      1. [Invoices json structure](https://summerclassics.sharepoint.com/:u:/s/ITDepartment/Ef9vJRWMDSVArjrC2hEVAAcBYWNa5tv0hqJcO1T3nWqAJQ)
      2. [Invoice Line Items json structure](https://summerclassics.sharepoint.com/:u:/s/ITDepartment/EZjhv3tDMM1MtbIZ9JuxItkB-g3ECqw8-x5LI66b5lVpSg)

# Estimated TIMELINE

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| Requirements | Bench marked estimate | Status | Additional Notes |
| Create Json file structure | 3 hours | Finished 8/17 |  |
| Sql Tables | 6 Hours |  |  |
| SQL Procedures   * Create Update * Create Flag * Update Main | 10-20 hours |  |  |
| SQL Functions   * Json Creation | 4 hours |  |  |
| Unit Testing   * Talend Job pick up | 8 hours |  |  |
| Update the Technical Specification | 6-10 hours |  |  |
| UAT Testing | 4 hours |  |  |
| Implementation Plan/Sign-off | 2 hours |  |  |
| Implement in production | n/a |  |  |