

Instructions for Integration Inventory

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|------------------------------------|---|
| Description | The Integration Inventory is the consolidated list of integrations that exist between enterprise systems. Given the nature of enterprise architecture this document will evolve and change as the architecture changes. |
| Version | 0.1 |
| Worksheet Definitions | |
| Integration Inventory | The Integration Inventory; see above |
| Column Definitions | |
| ID | A numeric ID that can be used to refer to the integration. |
| Source or Initiating System | In the case of a batch feed, this is the system from which data is sent. In the case of a real time integration, this is the system which is the client and initiates each transaction. |
| Target System | In the case of a batch feed, this is the system which receives and processes the data. In the case of a real-time integration, this is the system which acts upon the request of the initiating system |
| Data or Transaction Type | The type(s) of data being fed in a batch feed or the transaction type being requested by the initiating system. |
| Batch or Real-Time | Whether the integration is a batch feed, or a real-time integration between systems. |
| Frequency | In the case of batch feeds, how often is the feed executed. |
| Data Format | The class of data format that data or messages are sent in (e.g. XML, Flat Files etc.) |
| Owner | The person or group responsible for maintaining the integration. |

MIT Integration Inventory

| <i>ID</i> | <i>Source or Initiating System</i> | <i>Target System</i> | <i>Data or Transaction Type</i> | <i>Batch or Real Time</i> | <i>Frequency (if Batch)</i> | <i>Data Format</i> | <i>Owner (Group or Person)</i> |
|-----------|------------------------------------|-------------------------------------|---|---------------------------|---------------------------------|-----------------------|--------------------------------|
| 001 | Admissions | Data Warehouse | Admissions Applicant Load Admissions High School Admissions High School Statistics Admissions Lookup Data Admissions Master Data | Batch | Annually | Flat File | Data Warehouse Group |
| 002 | Admissions | Data Warehouse | Grad Admissions Applicant Graduate Admissions Application Graduate Admissions Application Graduate Admissions Degree Objective Grad Admissions Master Data Graduate Admissions Programs Grad Admissions School Attended Graduate Admissions Survey Graduate Admissions Test Score | Batch | Weekly | Flat File | Data Warehouse Group |
| 003 | Advance | Sloan Administrative DB | Alumni Profile Data | Batch | Hourly | XML | |
| 004 | Alumni | Data Warehouse | Alumni Biographic Data Alumni addresses Alumni degrees | Batch | Weekly | Flat File | Data Warehouse Group |
| 005 | Broad Institute | SAP | Purchase Orders, Goods Receipts | Batch | Multiple Times a Day | Flat File | |
| 006 | Campus Legacy Payroll | Lincoln SAP | Gross Pay | Batch | weekly | Flat File | Lincoln ITO/LFO |
| 007 | Campus Legacy Payroll | Lincoln SAP | Leave | Batch | weekly | Flat File | Lincoln ITO/LFO |
| 008 | COEUS | Data Warehouse | OSP Award Comments OSP Awards OSP Award Cost Sharing Data OSP Award Terms OSP Award Indirect Cost Data OSP Sponsors | Batch | Daily | Flat File | Data Warehouse Group |
| 009 | COEUS | EDI | Proposals | | | | |
| 010 | COEUS | SAP | | On Demand | | Flat File | |
| 011 | Cyborg | Data Warehouse | HR data from Cyborg | Batch | Daily | Flat File | Data Warehouse Group |
| 012 | Data Warehouse | Active Directory | Contact Information | | | | |
| 013 | Data Warehouse | Advance | | Batch | Daily/Nightly | | |
| 014 | Data Warehouse | Case Tracker | Directory Information | Batch | Daily | | Jeff Schiller |
| 015 | Data Warehouse | COEUS | MIT ID, People Data, Appointment Data, HR Data | Batch | Nightly | Oracle SQL Connection | |
| 016 | Data Warehouse | Current Payroll System | Chart of Account | Batch | Daily | Flat File | |
| 017 | Data Warehouse | EHSWeb | List of all people Buildings and rooms List of all job titles | Batch | Daily/Nightly | Oracle SQL Connection | Jim Repa |
| 018 | Data Warehouse | LNS (Lab for Nuclear Science) | | Batch | Daily/Nightly | | |
| 019 | Data Warehouse | Medical: Practice Management System | People, Benefits, Eligibility | Batch | 1 - 2 times a week - Nightly | Flat File | |
| 020 | Data Warehouse | MIT Directory | Directory Information: Name and Address | Batch | Daily/Nightly | Flat File | |

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| 021 | Data Warehouse | MITID | | Batch | Nightly | | |
| 022 | Data Warehouse | MOIRA | Directory Information & MIT ID, Class of Person | Manual, a-periodic | A periodic | Flat File | |
| 023 | Data Warehouse | Nimbus | Master Data and Actuals | Batch | Daily/Nightly | Oracle SQL Connection | Loti Petrov, budget office |
| 024 | Data Warehouse | OCW | Employee Directory and CIP codes | Manual via Brio Query | Twice a Year | | Cec |
| 025 | Data Warehouse | Practice Management | Payments made to Patients and Vendors | Batch | Nightly | Flat File | |
| 026 | Data Warehouse | Request Tracker | Directory Information | Batch | Daily | | Jeff Schiller |
| 027 | Data Warehouse | RLE | | Batch | Daily/Nightly | | "Fletch" - Miron (First name) |
| 028 | Data Warehouse | Roles | All people at MIT who have kerb principles - Qualifiers - Org Units (Various types, mostly from the warehouse) - Financial Units - Cost Collectors | Batch | Daily/Nightly | Oracle SQL Connection | Jim Repa |
| 029 | Data Warehouse | SAP | MIT ID info, Buildings and Room Data | Batch | Daily/Nightly | Flat File | |
| 030 | Data Warehouse | SAP | Certificate Data | Batch | Daily/Nightly | Flat File | |
| 031 | Data Warehouse | SIS/MITSIS | | Batch | Daily/Nightly | Oracle SQL Connection | Kent |
| 032 | Data Warehouse | Stellar | Courses & Enrollments | batch | daily | Oracle SQL Connection | Craig Counterman |
| 033 | Data Warehouse | Stellar | Kerberos users | batch | daily | Oracle SQL Connection | |
| 034 | Data Warehouse | TLO/Forrester | Financial | Batch | Daily/Nightly | ??? | TLO/Howard Bailey |
| 035 | ECAT | SAP | Purchase Orders | Real Time | On Demand | XML | Steve Landry |
| 036 | EDI | COEUS | Awards | | | | Note: this will eventually go to Gov. |
| 037 | EHSWeb | Data Warehouse | EHS Room sets along with corresponding DLC, prim supervisors and School Area info EHS Access Control EHS Training for certification EHS training Access control | Batch | Daily | Flat File | Data Warehouse Group |
| 038 | EHSWeb | NetCaster (External) | People registered for training at MIT | Batch | Daily/Nightly | Flat File | Jim Repa |
| 039 | EHSWeb | NetCaster (External) | User's web based courses required | Real Time | On Demand | HTTP Hidden Form Variables | Jim Repa |
| 040 | Facilities: SAP Plant Maintenance | Online Directory | Contact Information | Real Time | | Using GUI XT | Mike Sherman, Facilities |
| 041 | Insite | Data Warehouse | Space Data (Buildings and Rooms) | Batch | Daily | Flat File | Data Warehouse Group |
| 042 | Library: Barton (Aleph) | Data Warehouse | Library order arrival data Library Catalog -- incremental (current calendar year only) Library Circulation Data (Incr Load) Library Definitions from Aleph Library Transactions Library Invoices Library Item Detail FULL load Library Lookup Data Library Master Data Library Orders | Batch | Daily | Flat File | Data Warehouse Group |
| 043 | Library: Barton (Aleph) | MITSIS | Accounts receivable - students (Circulation bills for overdue and lost items) | Batch | Monthly | Flat File | Christine Moulen |

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| 044 | Library: Barton (Aleph) | SAP | Accounts receivable - non-students (Circulation bills for overdue and lost items) | Batch | Monthly | Flat File | Christine Moulen |
| 045 | Library: Barton (Aleph) | SAP | Accounts payable (Acquisitions invoices for items purchased) | Batch | Daily (3-5 per week) | Flat File | Christine Moulen |
| 046 | Library: Document Services | E-Commerce Server (Omar) | Credit Card Processing | | | | |
| 047 | Lincoln Lab SAP | EHSWeb | Completed Courses Registered Courses | Batch | Daily/Nightly | Flat File | Jim Repa |
| 048 | Lincoln Labs SAP | Data Warehouse | Training Records | Batch | Daily | Flat File | Data Warehouse Group |
| 049 | Lincoln SAP | SAP | HR | Batch | nightly | XML/ALE Idocs | Lincoln ITO/HRIS |
| 050 | Mainframe: Fleet Bank -> Magtape -> MITVMA | SAP | Bank Statements | batch | three tapes, once a month | Flat File | Administrative Computing |
| 051 | Mainframe: Payroll (on MITVMC?) | SAP | Journal vouchers | batch | monthly | Flat File | CAO (Payroll) |
| 052 | Mainframe: Payroll (on MITVMC?) | SAP | Payroll Disbursements | batch | once or twice a week | Flat File | CAO (Payroll) |
| 053 | Mainframe: Payroll -> MITVMA | SAP | Salaries & Salary Distributions | batch | monthly | Flat File | CAO (Payroll) |
| 054 | Medical: Practice Management System | SAP | Requests for Payment | Batch | Daily | Flat File | |
| 055 | Medical: Practice Management System | SAP | Non Students Accounts Received | Batch | Once a week at least, Can be more | Flat File | |
| 056 | Medical: Practice Management System | Students Accounting | Billing Information about Students | Batch | Once a week at least, Can be more | Flat File | |
| 057 | MIT Course Catalog | OCW | Course descriptions, master course numbers, faculty etc. | Manual via Spreadsheet | Once a Year | Excel Spreadsheet | |
| 058 | MIT ID | Data Warehouse | MIT ID | Batch | Daily | Flat File | Data Warehouse Group |
| 059 | MIT ID | SAP | | On Demand | | RFC - Encrypted | |
| 060 | MITSIS | Practice Management | Student Demographics and Enrollment | Batch | Once or twice a week | Flat File | |
| 061 | Moira | Active Directory | User and Group Info | | | | |
| 062 | Moira | AFS | Athena Update Protocol | | Several times a day | | |
| 063 | Moira | Data Warehouse | Krb Mapping data from MOIRA | Batch | Daily | Flat File | Data Warehouse Group |
| 064 | Moira | DNS | Athena Update Protocol | | Several times a day | | |
| 065 | Moira | Hessiod | Athena Update Protocol | | Several times a day | | |
| 066 | Moira | Kerberos | Athena Update Protocol | | Several times a day | | |
| 067 | Moira | Mailman | Athena Update Protocol | | Several times a day | | |
| 068 | Moira | mit.edu (Mail Routing Table) | Athena Update Protocol | | Several times a day | | |
| 069 | Moira | Network Database | Athena Update Protocol | | Several times a day | | |
| 070 | Moira | Post Offices | Athena Update Protocol | | Several times a day | | |
| 071 | Moira | Print Servers | Athena Update Protocol | | Several times a day | | |
| 072 | Moira | Stellar | Groups | Batch | | | |
| 073 | NetCaster (External) | EHSWeb | Completed Courses | Batch | Daily/Nightly | Flat File | Jim Repa |
| 074 | Nimbus | Data Warehouse | Budget Groupings | Batch | Weekly | Flat File | Data Warehouse Group |
| 075 | Nimbus | SAP | Budget | Batch | Nightly | Flat File | OBFP/Lody Petriv |
| 076 | Nimbus (JV Feed) | SAP | Financial | Batch | Nightly | Flat File | OBFP/Lody Petriv |
| 077 | OCW | Dspace | Archived Course Content | Batch | On Demand | | Will be in future, it does not exist right now |
| 078 | PPL Keys | Data Warehouse | Keys | Batch | Weekly | Flat File | Data Warehouse Group |

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| 079 | Roles | Data Warehouse | XSIS Roles Roles SAP Authorization Information HR Roles | Batch | Daily | Flat File | Data Warehouse Group |
| 080 | Roles | EHSWeb | Authorization Data Master Department Codes and Names | Batch | Daily/Nightly | Oracle SQL Connection | Jim Repa |
| 081 | Roles Database | SAP | Authorizations | Batch | Daily | Flat File | |
| 082 | Roles Database | SAP | Hierarchy information | Batch | Daily | Flat File | |
| 083 | SAP | Broad Institute | Purchases Received | Batch | Multiple Times a Day | Flat File | |
| 084 | SAP | EDI | Invoices, Benefits, Procurement Card? | | | | Check if procurement cards come into SAP through EDI. |
| 085 | SAP | EHSWeb | Completed Courses Registered Courses | Batch | Daily/Nightly | Flat File | Jim Repa |
| 086 | SAP | Lincoln Labs | | | | | Future |
| 087 | SAP | MIT ID | | On Demand | | RFC - Encrypted | |
| 088 | SAP Benefits | Data Warehouse | Benefits Enrollment Detail Benefits Lookup Benefits Master data | Batch | Daily | Flat File | Data Warehouse Group |
| 089 | SAP Finance | Data Warehouse | Balances, Incremental Institute Budget SAP Cost Element Hierarchy, Groups SAP Change Log Items Commitments History Financial Actuals Credit card tx from Financial Detail Fin Detail Clearing Data Financial Commitment Financial Overhead Costs Fund Descriptions from CAO's office Balance Sheet Accounts Balances Financial Processing Status LDS Person-to-Cost Collector assignment data One Time Vendor - Financial Detail Overhead calculation rules Payment information update (Bank tape file) SAP Payment (Check) Information SAP Profit Center Hierarchy SAP Profit Center Group s Pension Payroll PENSION Personal Data, Statuses, Addresses, Actions | Batch | Daily | Flat File | Data Warehouse Group |

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| 090 | SAP HR | Data Warehouse | HR Academic Chair HR Appointments HR Appointment Letters HR lookup table. HR Master Extract Data HR Objects (jobs, positions) SAP HR Org Hierarchy SAP HR Org Hierarchy HR Person miscellaneous (new HR) HR Personal Data, Statuses, Addresses, Actions HR Training and Events Personal Data | Batch | Daily | Flat File | Data Warehouse Group |
| 091 | SAP Other | Data Warehouse | SAP Project Wbs Hierarchy SAP Access Control SAP Lookup tables. Used in all SAP conversions SAP Master Tables | Batch | Daily | Flat File | Data Warehouse Group |
| 092 | SAP Purchasing | Data Warehouse | Purchasing Master Tables Purchasing Data - Raw Data Conversion Purchasing Requisitions Sales Orders Sales Contract Invoices Sales Contracts | Batch | Daily | Flat File | Data Warehouse Group |
| 093 | SIS | Data Warehouse | Student 5th week enrollment table Student Enrollment Y Report Financial Aid Time Dimensions | Batch | Term | Flat File | Data Warehouse Group |
| 094 | SIS | Data Warehouse | External Test Scores Financial Aid Applicant, Award, and Need Fin Aid Federal Work Study Financial Aid MIT Grant Packages and Grant Management Financial Aid Master Data Fin Aid Student Payroll Distribution Detail Financial Aid Requirement Trackings Graduate Award Term Detail Pre-Registration Data SIS Master Data Student Medical Insurance Student Biographic Student Subject Enrollment Student Term Enrollment | Batch | Daily | Flat File | Data Warehouse Group |
| 095 | SIS | Data Warehouse | Student Degree Information Student Tuition Assessment Student Degree Information | Batch | Weekly | Flat File | Data Warehouse Group |
| 096 | SIS | Data Warehouse | Sloan School Subject Type | Batch | On Demand | Flat File | Data Warehouse Group |
| 097 | Sloan Administrative DB | Advance | Alumni Profile Data | Batch | Hourly | XML SCP | |

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|------------|------------------------------------|----------------------|---------------------------------|---------------------------|-----------------------------|--------------------|--|
| 098 | Sloan Space | Dspace | | On Demand | | XML Web services | Will be in Dec. Does not exist right now. Add a feed from Dspace to Sloan as well. |
| 099 | Sloan Space | OCW | Course Content | Manual Download | Twice a Year | | |
| 100 | Stellar | OCW | Course Content | Batch and Manual Download | Twice a Year | | |
| 101 | Student Payroll | Data Warehouse | Student Payroll | Batch | Monthly | Flat File | Data Warehouse Group |
| 102 | TLO/Forrester | SAP | Financial | Batch | Monthly/Periodic | Flat File | TLO/Howard Bailey |
| 103 | Web Hits | Data Warehouse | Web Hit Detail | Batch | Weekly | Flat File | Data Warehouse Group |