

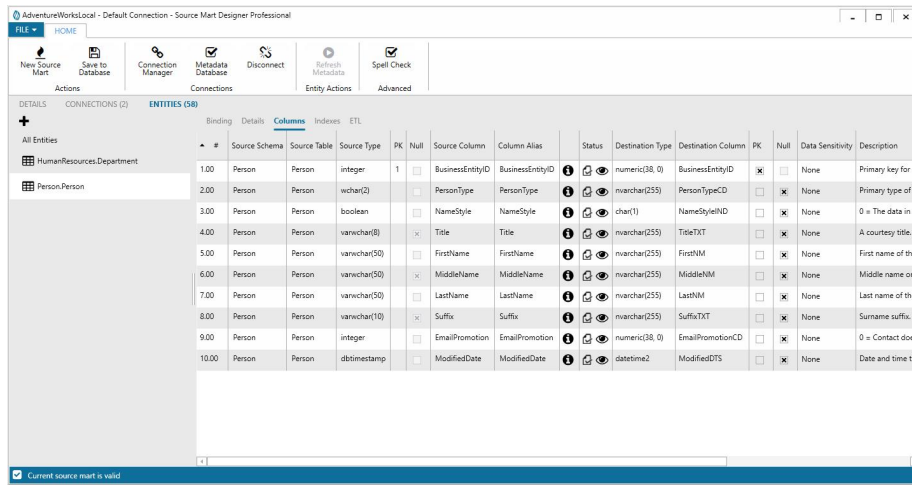
Type
Software Application

Status
Generally Available

Revised
2019-August-01

Technical Description

Source Mart Designer is a data architecting software tool that automatically extracts data from source systems, brings it into DOS, and maps it to source marts for downstream use in visualization tools.



Source Mart Designer's easy-to-use interface helps data analysts create enterprise-wide consistency and configure the ETL process for hands-off maintenance.

Background

The biggest challenge organizations face when implementing an analytics platform is the time it takes to manually extract data from source systems, bring it into the EDW, and map it to data marts for downstream use in advanced applications. This is because many enterprise data warehousing ETL models contain no metadata – making it difficult, if not impossible, for a data analyst to know where tables and columns originated in the source system. Worse, when new data sources are added to the data warehouse or analytic use cases mature, source system data must be conformed and mapped again.

Manually mapping columns in disparate source systems with no metadata forces data architects to spend too much time creating hand-customized ETL scripting – sometimes up to hundreds of custom scripts – or relying on a SQL import/export utility or an ETL tool to move data. These manual processes are not only time consuming but they must also be performed again and again as data models shift.

Application Overview

Develop, deploy, and test source marts in days versus months with a library of 200+ pre-mapped sources systems.

Source Mart Designer eliminates time-intensive custom source scripting by allowing users to map source system tables and columns automatically to source marts, capturing metadata for every field in a single, comprehensive repository. Data architects simply decide how to organize their columns, and data loads during the nightly ETL process.

Benefits and Features

- Faster time to value: Preconfigured loading scripts expedite extraction and automatically transform metadata to load scripts.
- Enables data governance: Consistent naming taxonomy guidelines are available to review, helping to ensure system definitions.
- Improved efficiencies: Automated upload of common source system fields, schemas, data types, columns, and more.
- Increased scalability: Automated metadata mapping when new data sources are added to the data warehouse.
- Accomplish more in less time: Clean, easy-to-navigate user interface helps professionals quickly map columns between source systems and source marts.
- Column naming support: Modifiable column name suggestions make it simple to give columns human-readable names.

Opportunity Insights

- Data quality

Intended Users

- Data Architects
- Data Engineers
- Technical Directors

Use Cases

- A **Data Architect** focuses on creating data models, metadata, and data flows within a health system's EDW. By using Source Mart Designer, metadata for all their work is automatically created, edited, and managed regardless of the changes they make. This saves a significant amount of time and work, allowing them to focus more on important things like what data to bring in and how to prepare it for downstream use.
- A **Data Engineer** focuses on acquiring data from various sources found in a health system's ecosystem. By leveraging the pre-mapped source marts available with Source Mart Designer, they drastically reduce the time it takes to access and pull in new and existing data sources. This opens them up to spend less time mapping and loading sources so they spend more time profiling the data and ensuring the data loaded is high quality.

• Other:

Health Catalyst arrives with a box of preconfigured loading scripts based on commonly available source systems, including clinical, financial, and ancillary sources from well-known healthcare software vendors.

This extensive, ever-growing library – developed by Health Catalyst team members who have mapped thousands of source mart tables – expedites extraction and automatically transforms metadata to load scripts. That means the platform can be installed and configured in as few as 3 months with a real ROI in as few as 6 months.

- Affinity - ADT/Registration
- Allscripts - Ambulatory EMR Clinicals
- Allscripts Enterprise/Touchworks - Ambulatory EMR
- Allscripts Sunrise - Acute EMR Clinicals
- Aprima ERM
- Cerner - Acute EMR Clinicals
- Cerner - PowerWorks Ambulatory EMR
- Cerner HomeWorks - Other
- CPSI - Acute EMR Clinicals
- eClinicalWorks - Ambulatory EMR Clinicals
- Epic - Acute EMR Clinicals
- Epic - Ambulatory EMR Clinicals
- GE (IDX) Centricity - Ambulatory EMR Clinicals
- McKesson Horizon - Acute EMR Clinicals
- McKesson Horizon Enterprise Visibility
- Meditech 5.66 EHR w/DR
- NextGen - Ambulatory Practice Management
- Quality Systems (Next Gen) - Ambulatory EMR Clinicals
- Siemens Sorian Clinicals - Inpatient EMR

- Affinity - Costing
- Allscripts (EPSi) - Budget
- Allscripts (EPSi) - Costing
- Allscripts (TSI) - Costing
- BOXI - GL
- Cost Flex - Costing
- Digimax Materials Management - Inventory Management
- IOS ENVI - Costing
- Kaufman Hall Budget Advisor - Other
- Lawson - Accounts Payable
- Lawson - Accounts Receivable
- Lawson - GL
- Lawson - Supply Chain
- McKesson - Accounts Payable
- McKesson Enterprise Materials Management
- McKesson HPM - Costing
- McKesson HPM - GL
- McKesson PFM - Accounts Payable
- McKesson PFM - GL
- McKesson Series - Accounts Receivable
- Meditech - GL
- Microsoft Great Plains - GL
- Oracle (Hyperion) - Costing
- Oracle (PeopleSoft) - GL
- Oracle (PeopleSoft) - Supply Chain
- PARExpress
- PPM - Costing
- Smartstream - GL
- StrataJazz - Costing

- Affinity - Hospital Billing
- CHMB 360+ RCM - Hospital Billing
- CPSI - Hospital Billing
- Epic - Hospital Billing
- GE (IDX) Centricity - Hospital Billing
- GE (IDX) Centricity - Professional Billing
- HealthQuest - Patient Accounting
- Keane - Hospital Billing
- McKesson Series - Patient Billing
- McKesson STAR - Hospital Billing
- MD Associates - Professional Billing
- Siemens Sorian Financials - Inpatient Registration and Billing

- API Healthcare - Time and Attendance
- iCIMS
- Kronos - HR
- Kronos - Time and Attendance
- Lawson - HR
- Lawson - Payroll
- Lawson - Time and Attendance
- Maestro
- MD People
- Now Solutions Empath - HR
- Oracle (PeopleSoft) - HR
- PeopleStrategy/Genesys - HR
- PeopleStrategy/Genesys - Payroll
- Ultimate Software Ultipro - HR
- WorkDay

- 835 – Denials
- Adirondack ACO Medicare
- Aetna - Claims
- Anthem - Claims
- Aon Hewitt - Claims
- BCBS Illinois
- BCBS Vermont
- CDPHP Claims and Enrollment
- Centence Claims
- Children's Community Health Plan (CCHP) - Payer
- Cigna - Claims
- CIT Custom - Claims
- Cone Health Employee Plan (United Medicare) – Claims
- Dean Health (E WI)
- Discharge Abstract Data (DAD)
- Hawaii Medical Service Association (HMSA) - Claims
- HealthNet - Claims
- Healthscope
- Humana (PPO) - Claims
- Humana MA - Claims
- Kentucky Hospital Association (KHA) - Claims
- Medicaid - Claims
- Medicaid - Claims - CCO
- Merit Cigna - Claims
- Merit SelectHealth - Claims
- MSSP (CMS) – Claims
- NextGen (CMS) - Claims
- Ohio Hospital Association (OHA) - Claims
- ProHealth - Claims
- PWHP Custom - Claims
- QXNT – Claims
- SSI - Claims
- UMR Claims Source
- Wisconsin Health Information Organization (WHIO) - Claims

- Allscripts - Case Management
 - Apollo - Lumed X Surgical System
 - Aspire - Cardiovascular Registry
 - Carestream - Other
 - Cerner - Laboratory
 - eClinicalWorks - Mountain Kidney Data Extracts
 - GE (IDX) Centricity Muse - Cardiology
 - HST Pathways - Other
 - ImageTrend
 - ImmTrac
 - Lancet Trauma Registry
 - MacLab (CathLab)
 - MIDAS - Infection Surveillance
 - MIDAS - Other
 - MIDAS - Risk Management
 - Navitus - Pharmacy
 - NHSN
 - NSQIPFlatFile
 - OBIX - Perinatal
 - OnCore CTMS
 - Orchard Software Harvest - Pathology
 - PACSHealth - Radiology
 - Pharmacy Benefits Manager
 - PICIS (OPTUM) Perioperative Suite
 - Provation
 - Quadramed Patient Acuity Classification System - Other
 - QXNT/Vital - Member
 - RLSolutions
 - SafeTrace
 - Siemens RIS - Radiology
 - SIS Surgical Services
 - StatusScope - Clinical Decisions
 - Sunquest - Laboratory
 - Sunrise Clinical Manager
 - Surgical Information System
 - TheraDoc
 - TransChart - Other
 - Varian Aria - Oncology
 - Vigilanz - Infection Control
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- Adirondack ACO Clinical Data from HIXNY (HIE)
 - ADT HIE Patient Programs
 - Vermont HIE
-
- Fazzi - Patient Satisfaction
 - HealthStream - Patient Satisfaction
 - NRC Picker - Patient Satisfaction
 - PRC - Patient Satisfaction
 - Press Ganey - Patient Satisfaction
 - Sullivan Luallin - Patient Satisfaction

- AHRQ Clinical Classification Software (CCS)
- Charlson Deyo and Elixhauser Comorbidity
- Clinical Improvement Grouper (Care Process Hierarchy)
- CMS Hierarchical Condition Category
- CMS/NQF Value Set Authority Center
- CMS Place Of Service
- CPT
- LOINC
- National Drug Codes (NDC)
- NPI Registry
- Provider Taxonomy
- ProviderSpecialtyToTaxonomy
- Rx Norm
- TriCareDRG

Other

- 2010 US Census Detail for State of Colorado
- Affiliate Provider Database
- All Payer All Claims (certain States) ---In process UT, CO, MA
- Alliance Decision Support
- Allscripts - Ambulatory Practice Management
- Allscripts - Patient Flow
- Allscripts EHRQIS - Quality
- Avaya
- Axis (MDX)
- Bed Ready - Other
- Cerner Signature
- CMS Standard Analytical Files
- Daptiv
- Echo Credentialing - Provider Management
- ePIMS
- First Click-Wellness
- FlightLink
- GE (IDX) Centricity - Practice Management
- HCUP (NRD, NIS, NED Sample sets)
- Health Trac
- HealthIntent
- Hyperion
- InitiateEMPI
- Innotas
- IVR Outreach Detail
- MIDAS - Credentialing Module
- Morrisey Medical Staff Office for Web (MSOW)
- National Ambulatory Care Reporting System (NACRS)
- Nextgate EMPI
- Onbase
- PHC Legacy EDW
- QXNT/Cactus - Provider
- SMS Legacy - Other
- Truven Quality
- University HealthSystem Consortium - Clinical and Operational Resource Database
- University HealthSystem Consortium - Regulatory

Contact us today

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