Data Model & Tools [1]

Salesforce is at the heart of eComm, but it would be nothing without other systems across CU. Most of eComm's Salesforce Contacts are from a source system (updated nightly) and enhanced with engagement information from eComm's other applications (Marketing Cloud & Cvent), constituents and eComm specialists.
eComm's constituents are comprised of data from multiple systems (listed below).

**Master Data Management (MDM)** aggregates these details on one record then passes it to Salesforce for use.
Once a contact is created in Salesforce, there's a few ways the contact's information gets updated and enhanced:

- **Marketing Cloud** | Enhances a Contact by populating Email Sends & Individual Email Results (IERs)
  - Marketing Cloud and Salesforce have a bi-directional integration meaning a Marketing Cloud email can distribute to a targetted audience created in Salesforce and data from that email can be sent back to Salesforce.

- **Cvent** | Enhances a Contact by adding event participation (and creates new Contacts when necessary)

- **eComm Specialists** | Update a constituent's Email Preferences
  - Constituent's can adjust their own Email Preferences by receiving an email and selecting 'Manage My Preferences' in the footer

- **Advance, Campus Solutions & HCM** | Updates constituent's First Name, Last Name, or Email (depending on which source system the Contact originated from)

### Data Dictionary & Entity Relationship Diagram (ERD)

The data dictionary [2] provides full descriptions and values of fields that exist in Salesforce while the Entity Relationship Diagram (ERD) [3] indicates how the data is related to one another.

**Groups audience:**

eComm

**Source URL:** https://www.cu.edu/ecomm/strategy/data-model-tools

**Links**

[2] https://docs.google.com/spreadsheets/d/1s0qta2ap5xllM5xQOZ9eYc3lWbdcOwA2z4OhFgGMg/edit#gid=1145773985