

ENTERPRISE DIRECTORY (INFORMATION) SERVICES

SYSTEMS OF RECORD (SOURCE SYSTEMS)

A system of record (source system) is the authoritative source for a well-defined collection of data. Typically these correspond to our legacy systems such as the Banner Student Information System, the Payroll Personnel System, the Advancement Information System, etc.

PERSON REGISTRY

- System-of-record (source system) for identity
- Typical fields: Name, SSN, DOB, POB, Gender, Registry ID
- The Registry ID is a persistent, unique, opaque identifier
- The person registry contains a record for each person in the university “population.” This population includes students, faculty, staff, and other groups such as student applicants, job applicants, alumni, etc.
- The Person Registry is accessed by the addition of a new person to a source-system database. Example source systems include the Banner Student Information System and the Payroll Personnel System. Feeds to the person registry can be either batch or interactive. The registry process determines if the person entering the registry is a new unique individual or corresponds to an individual that already has an entry in the registry.
 - If the person entering the registry is a new unique individual then a new registry entry is created and assigned a new unique Registry ID. The new Registry ID is returned to the source system.
 - If the person entering the registry already exists in the registry then the registry returns the corresponding Registry ID to the source system.
 - If there is uncertainty regarding whether the person entering the registry is a new unique individual then the source system is notified and an arbitration process is initiated (Identity Management).
- Source systems store the Registry ID. The Registry ID can be used to reliably join person information from various source systems

DIRECTORY AND OTHER INFORMATION SERVICES

Directory and other information services typically derive their data from the source systems and make it available to applications. For example, applications such as the MyUCDavis course management system, the campus white pages, and the campus authentication service rely on the availability of information services.

- Directory Services
 - i. Metadirectory (Mothra)
 - ii. Application-specific LDAP directory services (e.g. white pages)
- Other Information Services
 - i. Data Warehouse
 - a. Payroll Personnel
 - b. DaFIS
 - c. Student
 - ii. Direct access to a Source System
 - a. Web services interface
 - b. Direct access to a source system database (not preferred)

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