Coursedog Application

Coursedog Middleware
- Merge Controls
- Nightly Sync
- 1x merge
- Source of Truth
- Filters
- Attribute Mapping
- Logging

Nightly Sync
- Sections
- Relationships
- Courses
- Departments
- Buildings/Rooms
- Terms
- Professors
- Programs

Real Time Section Sync

Illuminate Middleware Layer

https (REST)

ORACLE®
PEOPLESOFT

Integration Broker

Coursedog Application Class

Oracle

https (REST)

Data Flow

1. Request originates from Coursedog (End user hits save, admin executes a one time merge, or nightly sync)
2. Request calls endpoint(s) via GET or POST (REST/HTTPS)
3. Illuminate translates the request (REST/HTTPS) to the People Tools Integration Broker (IB)
4. Request from IB calls a Coursedog Application Class to read/write to the database
5. Results from IB are returned to the middleware.
6. Data is translated returned to satisfy the initial request from Coursedog
7. Coursedog validates the source of truth, applies filters, and translations (where applicable). Request is logged
8. Data is updated in the Coursedog User Interface