

Linkages Technical Details

San Luis Obispo County
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SMART – Common Client Index

- Overview
 - Part of the WCDS Consortium
 - Documentation - [Home](#) > [CalWIN Documentation](#) > SMART
 - Three Components
 - Interface Client
 - SMART Client (Powerbuilder)
 - WebSMART Client (IBM Websphere and Java)
 - SLO County Functions
 - Common Client Index
 - Case Folder Tracking (All programs)
 - Adult Services
- Database
 - SQL 2000
 - Upgrade to SQL 2008 R2 in works
 - Can Work with Oracle
- Built-in Interface
 - SMART Software
 - Power Builder
 - Separate from client
 - CalWIN Interface
 - Visual Studio Console application to move files, start SMART interface
 - CalWIN is the primary database and controls the core data of SMART participants. Care must be taken so that all corrections are made in CalWIN and the external systems to avoid recurring mismatches.
 - The SMART Client ID is stored on the CalWIN database and the CWIN number is stored on the SMART database to support the consistency of client data between the systems.
 - There are five different possibilities in the CalWIN interface process. A client can have one of five conditions. The client is either
 - on SMART and not on CalWIN
 - No action
 - on SMART and on CalWIN-CalWIN knows the SMART ID
 - Updates Client's core data elements in SMART
 - Adds/Updates Program Participation Records
 - on SMART and on CalWIN-CalWIN does not know the SMART ID
 - Updates Client's core data elements to SMART
 - Adds/Updates Program Participation Records

- Add SMART ID to CalWIN
 - not on SMART and on CalWIN
 - Add Client's core data elements to SMART
 - Adds Program Participation Records
 - Add CWIN to SMART
 - Add SMART ID to CalWIN
 - possibly on SMART and on CalWIN-CalWIN does not have a SMART ID
 - Sends to mismatch tables
 - Mismatches are held in separate tables and require staff to review.
 - SLO County typically has 4-5 mismatches per day
 - Time to resolve a mismatch depends on the issue. If the problem is a conflicting SSN or DOB, then research is required to determine the correct values.
 - Currently managed by a staff of two who alternate days
 - Existing Client
 - Client's core data elements are updated in SMART
 - The program participation from the External System is added to SMART
 - New Client
 - Add Client's core data elements to SMART
 - Add Client's program participation to SMART
 - Interface file is created to go back into CalWIN to update the SMART ID
- Generic
 - Used for external systems
 - CWS/CMS
 - CMIPS
 - This is implemented as a one way Interface. No data is sent back to the originating system as neither CWS/CMS nor CMIPS can receive it.
 - There are five different possibilities in the Generic interface process. A client can have one of five conditions. The client is either
 - on SMART and not on External System
 - No action
 - on SMART and on External System
 - Updates Client's core data elements in SMART if there is not an active or pending CalWIN program participation record.
 - Adds/Updates Program Participation Records
 - on SMART and on External System - External System does not know the SMART ID
 - Updates Client's core data elements to SMART if there is not an active or pending CalWIN program participation record.
 - Adds/Updates Program Participation Records
 - Add SMART ID to External System (We don't use this)
 - not on SMART and on External System
 - Add Client's core data elements to SMART

- Adds Program Participation Records
 - Add External ID to SMART
 - CWS/CMS – Client Focus ID
 - CMIPS – Record Number
 - possibly on SMART and on CalWIN-CalWIN does not have a SMART ID
 - Sends to mismatch tables
 - Mismatches are handled the same way as in CalWIN.
 - Existing Client
 - If there is a CalWIN program participation in Active or Pending status the core data from the External System does not overlay the SMART data, but the program participation from the External System is added to SMART
 - New Client
 - Add Client's core data elements to SMART
 - Add Client's program participation to SMART
 - Mismatch details in SMART Mismatch.doc
 - In-House Developed Process for CWS/CMS extracts
 - 5 Business Object Extracts
 - Run manually
 - Run daily
 - Visual Studio Web App to convert extracts into flat file for SMART generic interface
 - Several SQL Processes Run Nightly
 - Updates Linkages database
 - Updates internal table for quick reporting
 - Common Case Identification
 - CWS/CMS Cases identified through CMS State ID
 - Biological birth mother added to SMART
 - Her SMART ID is used for the StateID for all referral/case members
 - SQL Process identifies clients with active programs in both CalWIN and CWS/CMS based on SMART's matching of the client programs.

CalWIN Information Server (CIS)

- Tables imported nightly from Oracle database
- SQL processes update various databases (Co-case management, Interview Room Scheduler, etc.)
- CIS data used to identify CalWIN approval dates and other data not stored in SMART.

DSSNet

- SLO County's Social Services Intranet
- SQL Server 2000
- ADS Network Security
- MS Visual Studio 2008 and 2010
- Language - VB .Net/ASP.Net
- Grape City Active Reports 6
- User applications
 - All web based

- Co-Case Management Tool
- Linkages Database
- Linkages Notices
- CWS Referral Intake
- CWS Child Location

Approximate Costs

- SMART software is included in the CalWIN consortium.
- SMART implementation
 - HP assistance in setting up initial SMART database from CIS
 - IBM Websphere Application Server \$115 (softchoice) (Only need for WebSMART)
 - SQL Server 2000 License 2 processors \$5083 (softchoice)
 - SQL Server 2000 CAL per user - depends on County environment. We have enterprise CALs so this access is included.
 - CalWIN Interface
 - Can use current ftp server
 - 12 hours to automate and test
 - SLO County will share program
 - Labor - 40 hours if existing SQL Server, 60 hours if not
 - SLO County Environment
 - SMART Database Server
 - - 4Gbyte database with 180k client records
 - vmWare
 - MS Windows Server 2003
 - 1 processor
 - 1.5GB RAM
 - SQL Server 2000
 - SMART Web Server
 - vmWare
 - MS Windows Server 2003
 - 1 processor
 - 1.5GB RAM
 - IBM Websphere 4
 - FTP Server
 - vmWare
 - MS Windows Server 2003
 - 1 processor
 - 0.5GB RAM
 - Client Workstations
 - WebSMART
 - IE 8
 - Windows XP
 - SMART
 - Windows XP
- CWS/CMS Business Objects Extracts
 - SLO County will share extracts

- 1 hour per day to run
- DSSNet applications
 - SLO County will share code and SQL table structure
 - SLO County will share SQL procedures that perform database updates.
 - Linkages
 - Co -case Management Tool
 - 80-100 hours per application if kept in existing environment
 - Application Dependencies
 - HR Management Application for worker details
 - Webservice for auditing and logging
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