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DSD - Section 8



CMIPS

D-4.2-03 – IHSS CMIPS Detailed System Design (DSD) (R2025.03.01) Section 8

Version 1.0

03/28/2025

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DSD 8/Architecture – Data Download & AD HOC Tool

This section of the DSD describes the architecture for two methods of accessing data for further analysis from the CMIPS system.

- Data Download
- Ad Hoc Tool within Business Objects (Webi)

Data Download consists of information extracted from the reporting database as CSV files and made available to the counties on the Secure Automated File Exchange (SAFE) server. Data Download files can be broken down into two categories:

- Legacy download formats that will continue for a limited time to be produced in a simulated format
- Download formats that are new and tailored to CMIPS operations

The Data Download is an important function for counties and CDSS that allows additional analysis, retention, and transfers of data to other related systems.

Web Intelligence is part of SAP Business Objects product suite used for analytical and ad hoc reporting to meet CMIPS business requirements. Web Intelligence is a Business Intelligence reporting tool for CMIPS users to analyze data. It can assist business managers in the decision-making process for building future strategies.

Using Web Intelligence, CMIPS users can create a wide variety reports from transactional data in the reports database. Various data sources can be used to create reports in Web Intelligence.

DSD 8/Architecture – Data Download & AD HOC Tool/Ad Hoc Tool Data Set

The CMIPS Ad Hoc Tool uses data that is available in REPWARE to users for Ad Hoc reporting. The data available in the Webi schemas mirror the Legacy and CMIPS data downloads as well as other data fields from Case Management and Payroll databases.

Ad Hoc reporting is different than Crystal reporting because there is no way to track what reports a user has built or saved. If a change is made to a class then the report will need to be rebuilt.

The data security for Webi only allows Counties to see their County's data.

DSD 8/Architecture – Data Download & AD HOC Tool /Business Process

DSD 8/Architecture – Data Download & AD HOC Tool /Business Process/Business Process Functions

Data Downloads are sets of data extracted from the CMIPS Reporting database that are grouped by topic area such as Provider, Recipient, Timesheet, County Contractor and Inter-County Transfer.

DSD 8/Architecture – Data Download & AD HOC Tool /Business Process/Business Process Functions/Download Data from Reporting Database

CI	Document Name
CI-69924 - DSD BF Download Data from Reporting Database IMPLEMENTED	DSD_BF_Download_Data_from_Reportin g_Database.doc

The figure below shows the flow of information from the Operational Databases (Case Management and Payroll) via an export, transform and load (ETL) extraction of data into an Internal Interface File Format. This Internal Interface File is then transferred to and imported into a DB2 Replica Database housed on the Reporting Database Server. After the internal interface batch jobs are completed, then the nightly report generation batch job is started to create and distribute the standard reports including the Monthly and Daily data download reports. Data Download (daily and monthly) information will be extracted to CSV files and exported to the SAFE server.

Reporting and Data Download ETL Processing Flow and Components

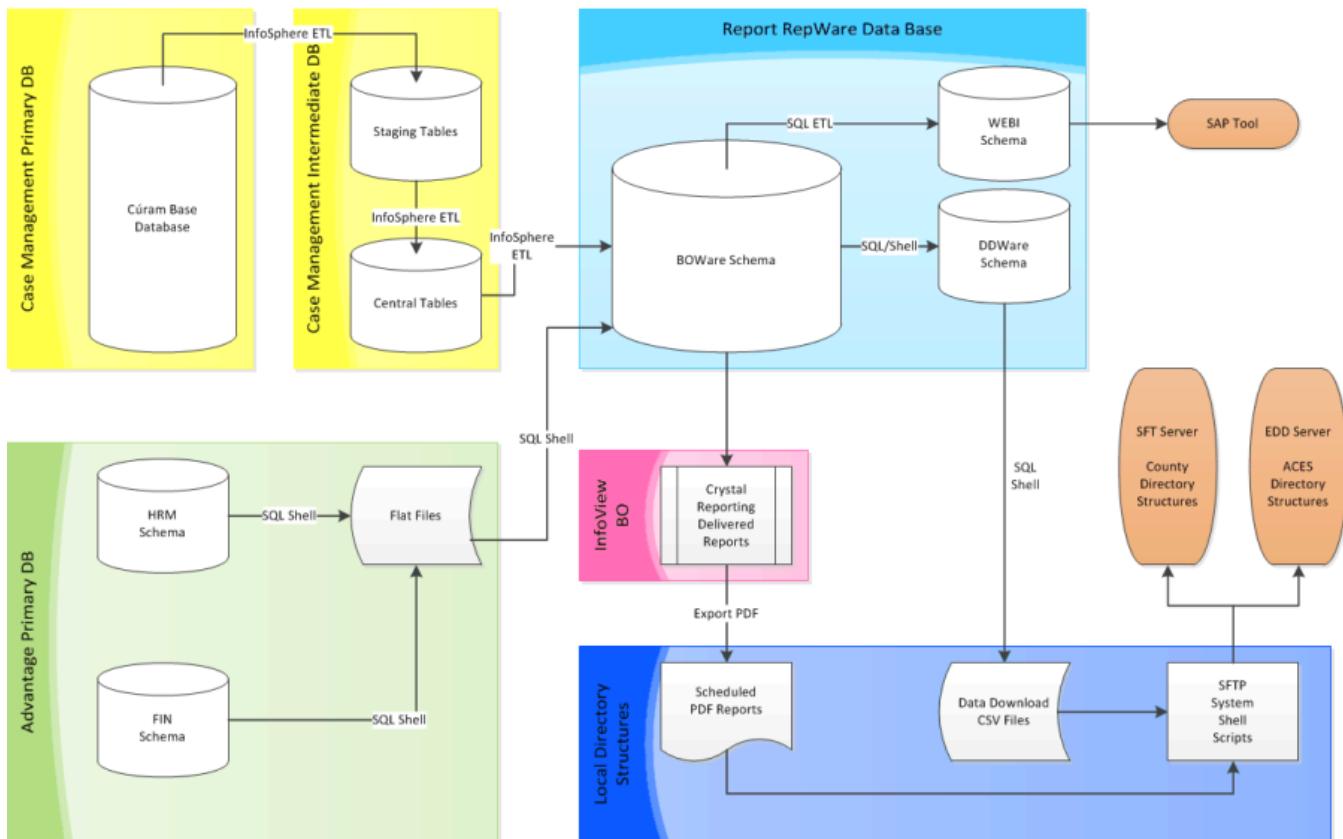


Figure – Reporting and Data Download ETL Processing Flow and Components

The previous figure depicts the flow and components for the Data Download process and is described in the following steps.

1. Case Management has a primary Cúram data base schema and two secondary supporting schemas. These are identified in the yellow boxes in Figure 1. There are a set of InfoSphere based extract, transform, and load (ETL) processes that copy data between the primary data base and Staging tables and then from the Staging tables to the Central tables. These secondary table sets support the extract and transform step of the ETL process. There is an additional set of InfoSphere based processes that takes the data stored in the Central tables and loads it into the Reporting BOWare data base.
2. Advantage Financial (FIN) and Human Resource Management (HRM) both have supporting schemas. These are identified in the green box in Figure 1. There are two sets of UNIX shell based ETL scripts using SQL commands that copy data from the primary Advantage schemas to a series of intermediate flat files. There is an additional set of UNIX shell based ETL scripts that load the flat file data into the Reporting BOWare data base.
3. Reports, Data Download, Ad Hoc tool
 - a. Reporting, Data Download (DD), and Ad Hoc (Webi) schemas use a separate data base environment identified by the light blue box in Figure 1. Once data is placed into the BOWare schema it is used to support BusinessObjects reporting functions. In addition the BOWare schema is the source of data for the DDWare schema supporting the Data Download function and the ADHOCWare schema

- supporting the Webi function. There is a set of SQL based ETL processes that move data from the BOWare schema to the ADHOCWare schema. These processes were developed and are supported by the Case Management development team. There is also a set of Pervasive Data Integrator (PDI) based ETL processes that move data from the BOWare schema to the DDWare schema.
- b. Selected Business Objects reports are generated in PDF format via a set of BO processes identified in the pink box in Figure 1. The County reports are then available in a user's inbox in Business Objects via the Reporting web page in the CMIPS Portal.
 - c. SQL shell scripts are used to extract the information from the DDWare component and generate the data download files in CSV format.
4. Selected non-county PDF reports and the Data Download files (in CSV format) are placed on the internal CMIPS file server (ProcServer). These are identified in the dark blue box in Figure 1.
 5. At that point UNIX shell scripts are executed to transfer these files to the proper external server based directory structures so counties or other partners can access them.

After the monthly and daily data downloads have been generated, they will be available to the user from the SAFE server in CSV format. To view generated download files the general process steps are to navigate to the SAFE server location and:

1. Logon to SAFE server
2. Select required download zip file
3. Open the file or right mouse click to download
4. Select and save/open the CSV file user wants to access

See the "CMIPS SAFE User's Manual" for more information on using the SAFE server.

Note: Level 2 Help has additional instructions at the screen and field levels to assist users in accomplishing the above procedures.

DSD 8/Architecture – Data Download & AD HOC Tool /Business Process/Business Process Functions/High-Level view of Reporting Environment

The figure below shows the flow of information from a user interaction with BusinessObjects. The user can submit a report to the county CMIPS printer or view it at their PC and then print it on any non-CMIPS printer to which they have access. Some counties will designate that reports submitted to their defined CMIPS printer are held in the print queue until the Print Operator releases the print job. Additionally, the user can save the report file to any location the user has access to as defined by the county.

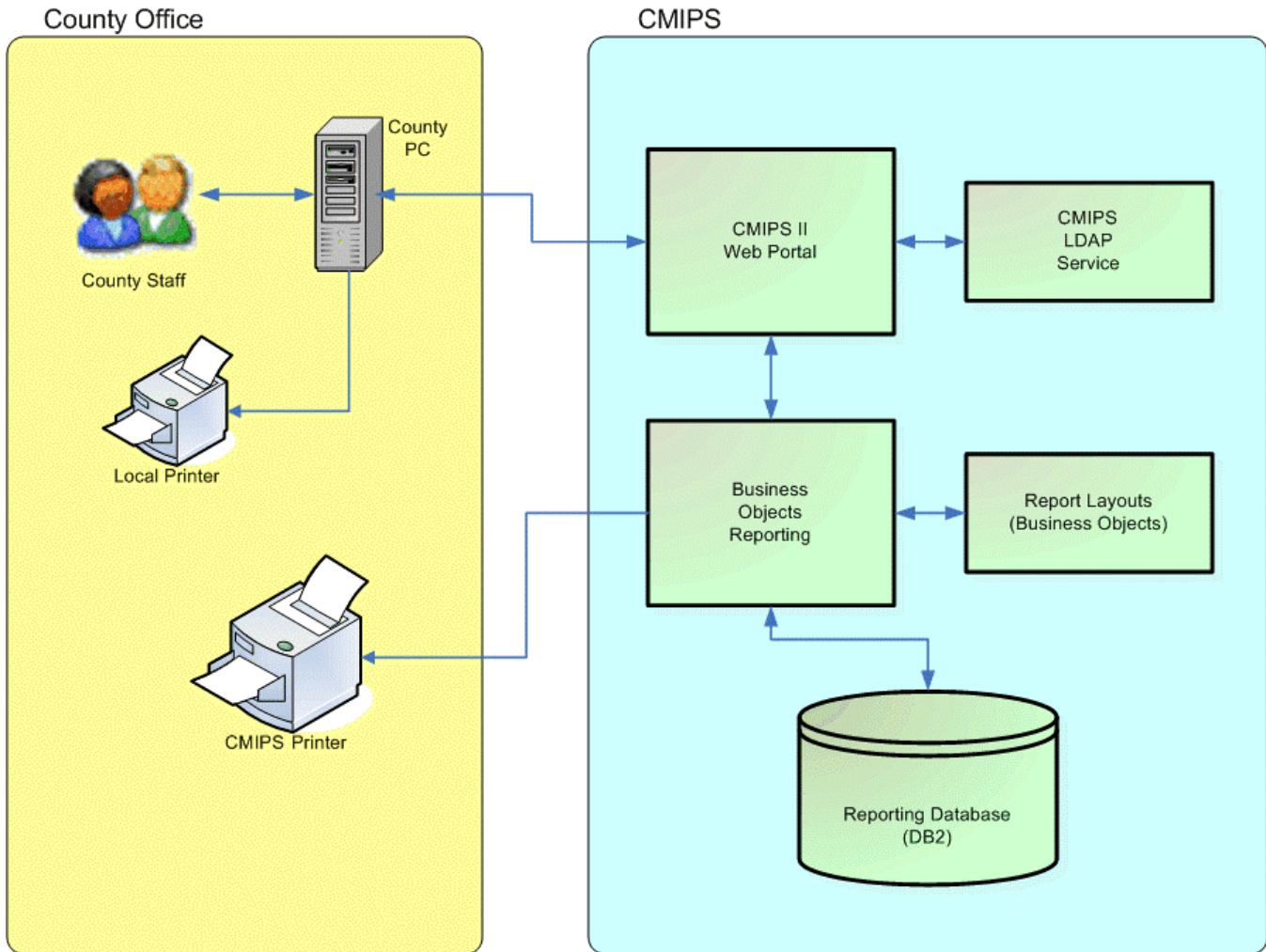


Figure – Reporting Overview

Reports can be saved in the following formats:

- Exports Supported in Viewers
- Export to Microsoft Excel 97-2000
- Export to Microsoft Excel 97-2000 (Data Only)
- Export to CSV (recommended)
- Export to Microsoft Word (RTF)
- Export to PDF
- Export to Microsoft Word (editable RTF)
- Export to XML with optional XSLT transform

In addition to saving the report, the data presented on a report can be downloaded via the "File - Save As." The downloadable formats are:

- Portable Document Format (PDF) Crystal Reports (RPT)
- Microsoft Excel 97-2000 (XLS)
- Microsoft Excel 97-2000 – Data only (XLS) (recommended during export process)
- Microsoft Word (RTF)
- Microsoft Word – Editable (RTF)
- Rich Text Format (RTF)

- Text (TXT)

System batch scheduled reports will be available to the user in their inbox within the CMIPS reporting component.

Data Download files will be generated automatically by the system via batch processes as appropriate. The generated files will be placed on the CMIPS SAFE server and be available to appropriate county staff. These files will be used and/or shared within each county based on county procedures.

DSD 8/Architecture – Data Download & AD HOC Tool /Business Process/Business Process Functions/CMIPS Ad Hoc Tool Reports

CI	Document Name
 CI-69923 - DSD BF CMIPS ADHOC Reports IMPLEMENTED	DSD_BF_CMIPS_ADHOC_Reports.doc

The CMIPS Ad Hoc tool has data available from the Cúram and Payroll databases on a daily and monthly basis ETL'd to the Reporting Database making it available to the Ad Hoc Schemas in Webi. Users are able to take the Schemas available and create ad hoc reports to assist with various CMIPS tasks. Each field available to users are called a class.

The Legacy and CMIPS data download files are available in Webi and updated with current Case Management and Payroll data during regular data download updates.

Some of the schema fields have been indexed. This helps with the performance of the environment when running ad hoc queries that use these indexed fields.

DSD 8/Architecture – Data Download & AD HOC Tool /Business Process/Business Process Functions/Legacy CMIPS Emulation

CI	Document Name
 CI-69921 - DSD BF Legacy CMIPS Emulation IMPLEMENTED	DSD_BF_Legacy_CMIPS_Emulation.doc

The following Data Download files were created to emulate the Legacy Data Download files:

1. PELGDNLD
2. PROVIDERHOURSPAIDFORMMONTH
3. RELADNLD
4. RELBDNLD
5. RELCDNLD
6. PAIDHOURS

DSD 8/Architecture – Data Download & AD HOC Tool /Business Process/Business Process Functions/Data Download Tools

CI	Document Name
 CI-69922 - DSD BF Data Download Tools IMPLEMENTED	DSD_BF_Data_Download_Tools.doc

The following lists tools used to support County Download Processing:

Tools	Process Section	Tool Usage
DDWare	Data Download	Run CSV during nightly batch process then transfer to appropriate SAFE location

DSD 8/Architecture – Data Download & AD HOC Tool /Business Process/Screen Designs

DSD 8/Architecture – Data Download & AD HOC Tool /Business Process/Screen Designs/Start Page Screen

CI	Document Name
CI-69927 - DSD SC ADHOC Start Page IMPLEMENTED	DSD_SC_AdHoc_Start_Page.doc

To access the ad hoc tool Webi; the user will select Applications drop down menu > Web Intelligence from Business Objects.

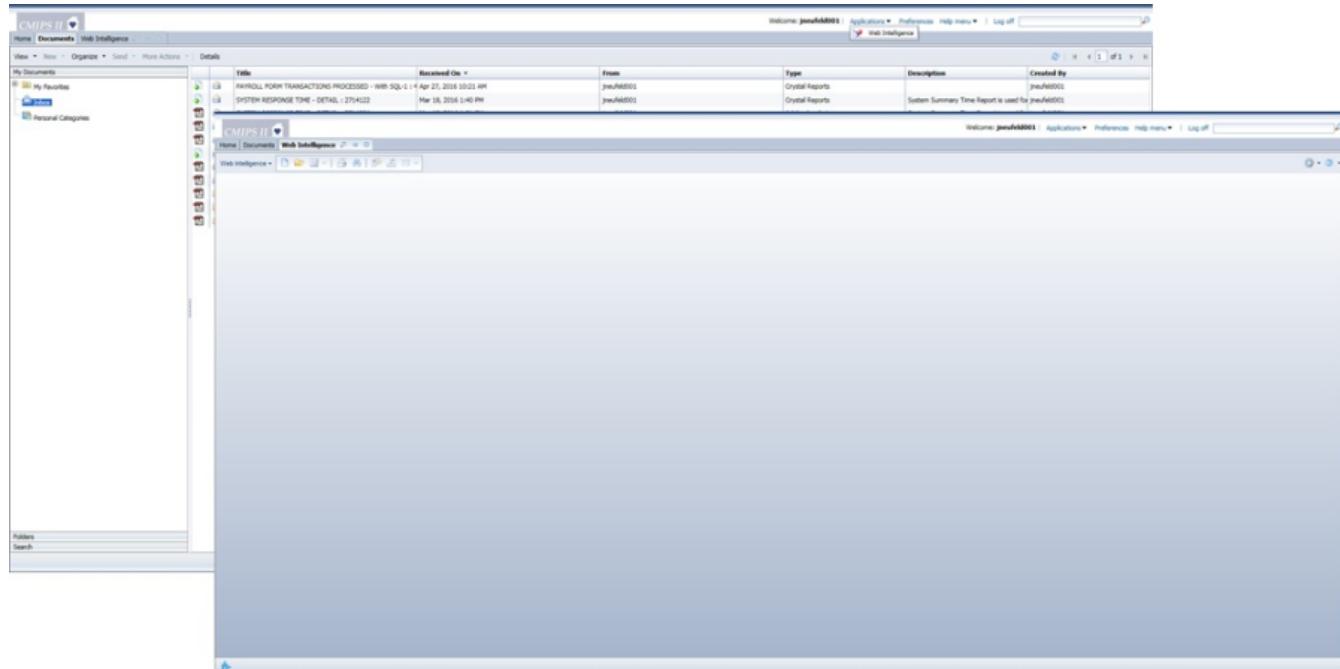


Figure – Ad Hoc Start Page

DSD 8/Architecture – Data Download & AD HOC Tool /Business Process/Screen Designs/Sample Screen

CI	Document Name
 CI-69928 - DSD SC ADHOC Sample Screen IMPLEMENTED	DSD_SC_AdHoc_Create_Document_Screen.doc

This screen allows the user to select a data source when they start a new Webi Document. CMIPS only uses the Universe data source.

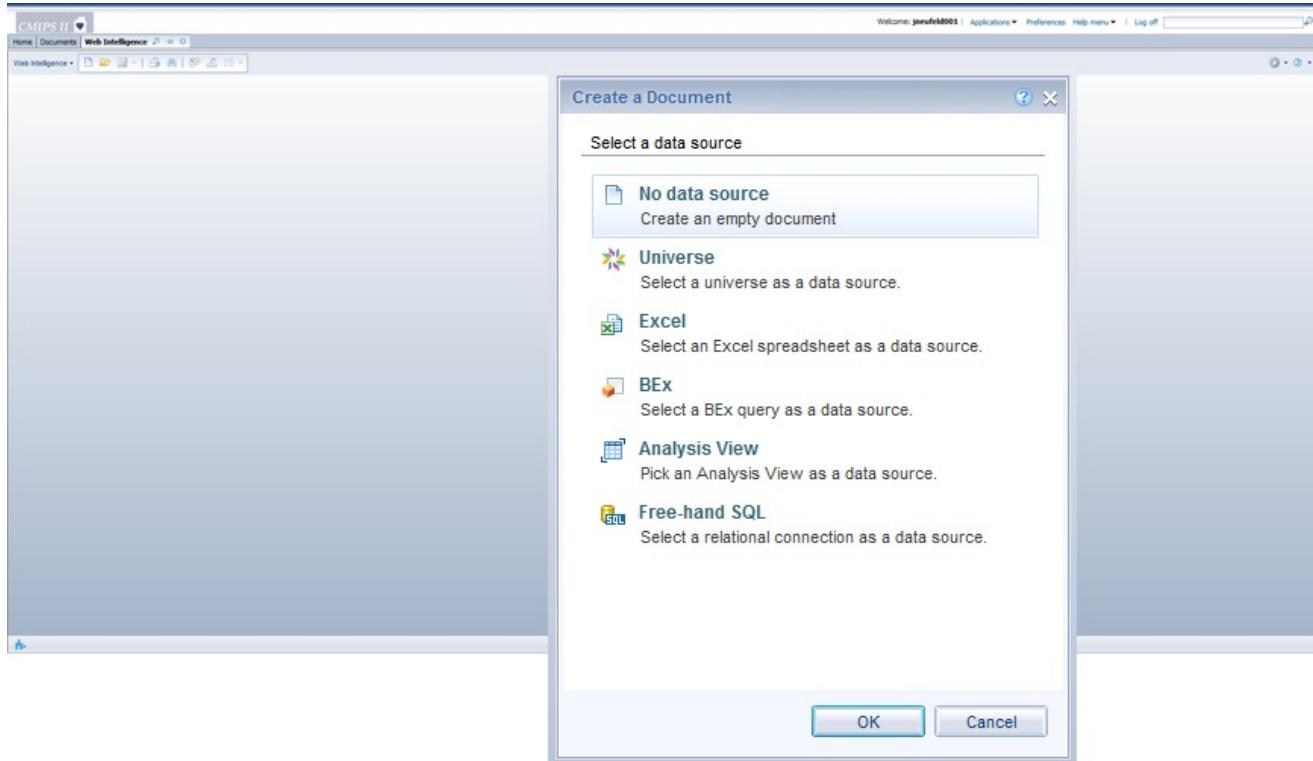


Figure – Create Document Screen

DSD 8/Architecture – Data Download & AD HOC Tool /Business Process/Screen Designs/Universe Screen

CI	Document Name
CI-69925 - DSD SC ADHOC Universe IMPLEMENTED	DSD_SC_AdHoc_Universe.doc

This screen allows the user to select which Universe schema they would like to run a query against.

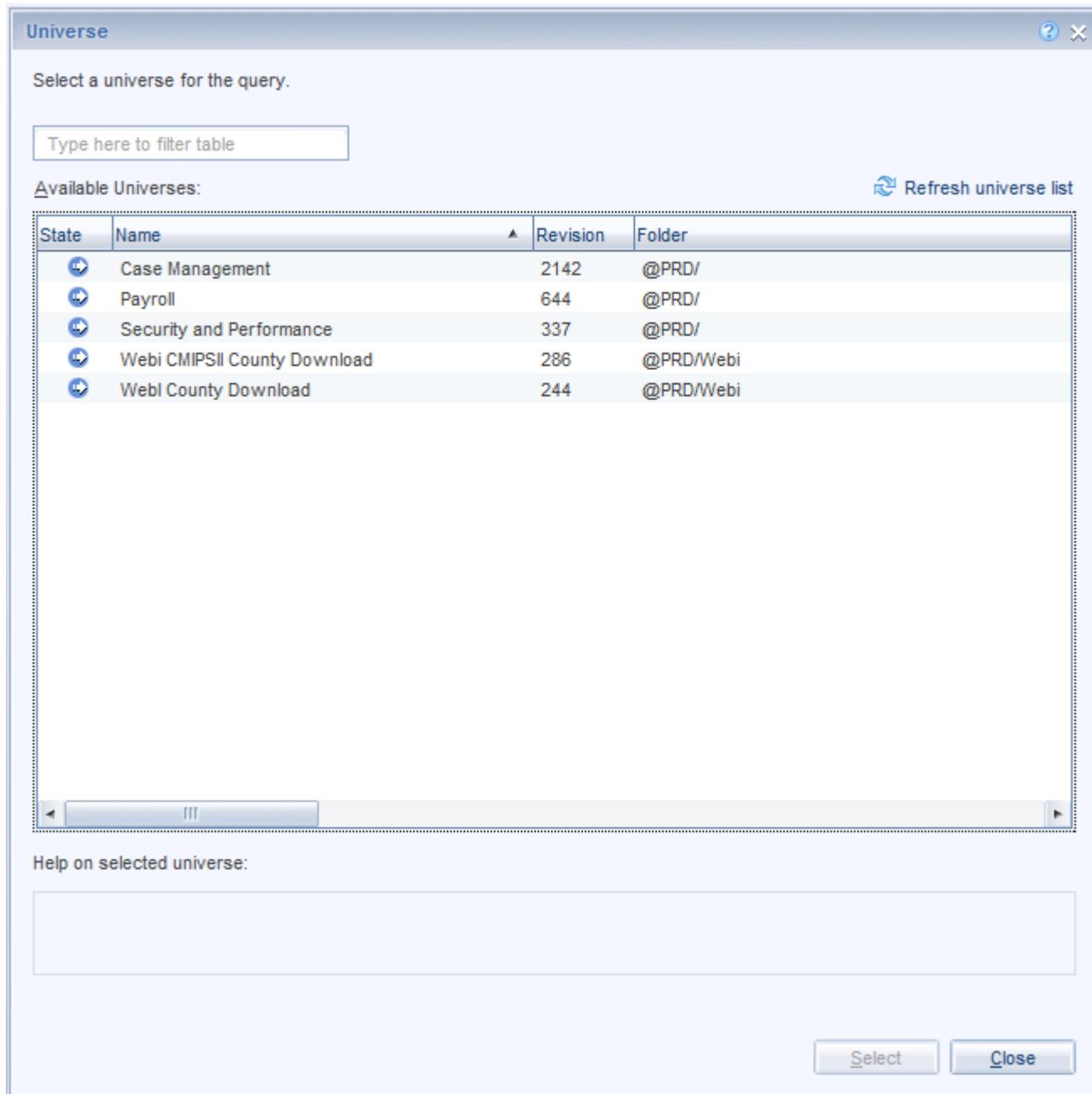


Figure – Universe Screen

DSD 8/Architecture – Data Download & AD HOC Tool /Business Process/Screen Designs/Create and Run Screen

CI	Document Name
CI-69932 - DSD SC ADHOC Create Run Query Screen IMPLEMENTED	DSD_SC_AdHoc_Create_Run_Query_Screen.doc

This screen allows the user to specify which classes they would like to see on the report as well as what filters and other modifications they would like applied to their ad hoc query. A user is also able to modify the way the reports is displayed after the query is run.

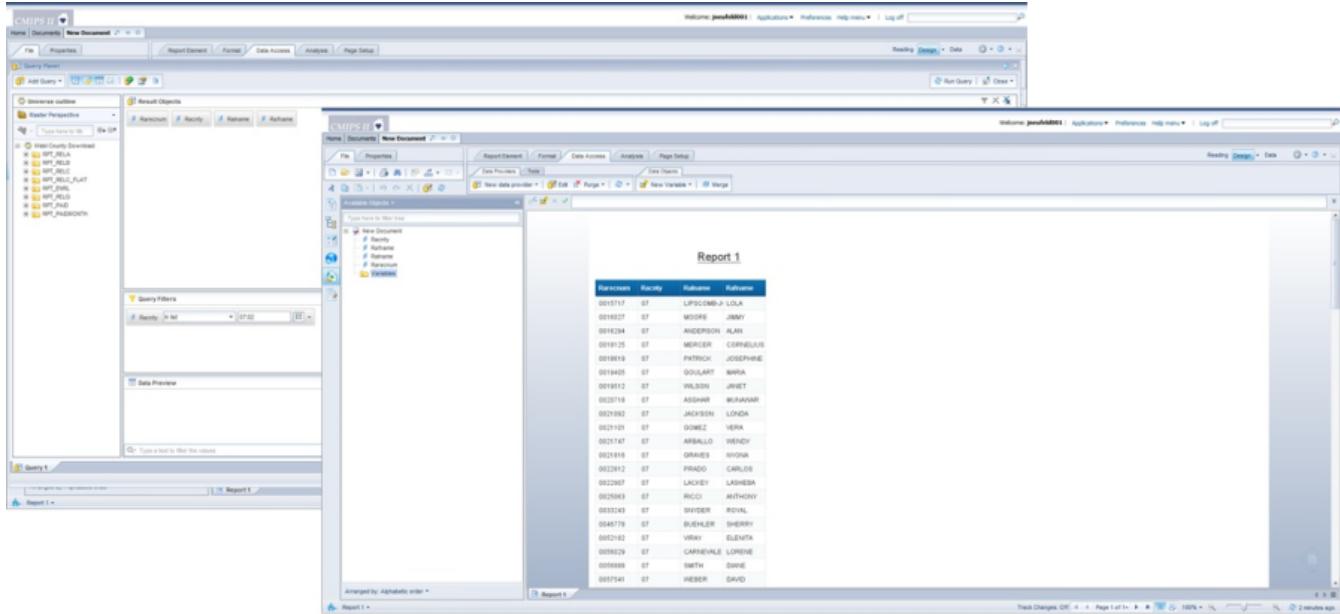
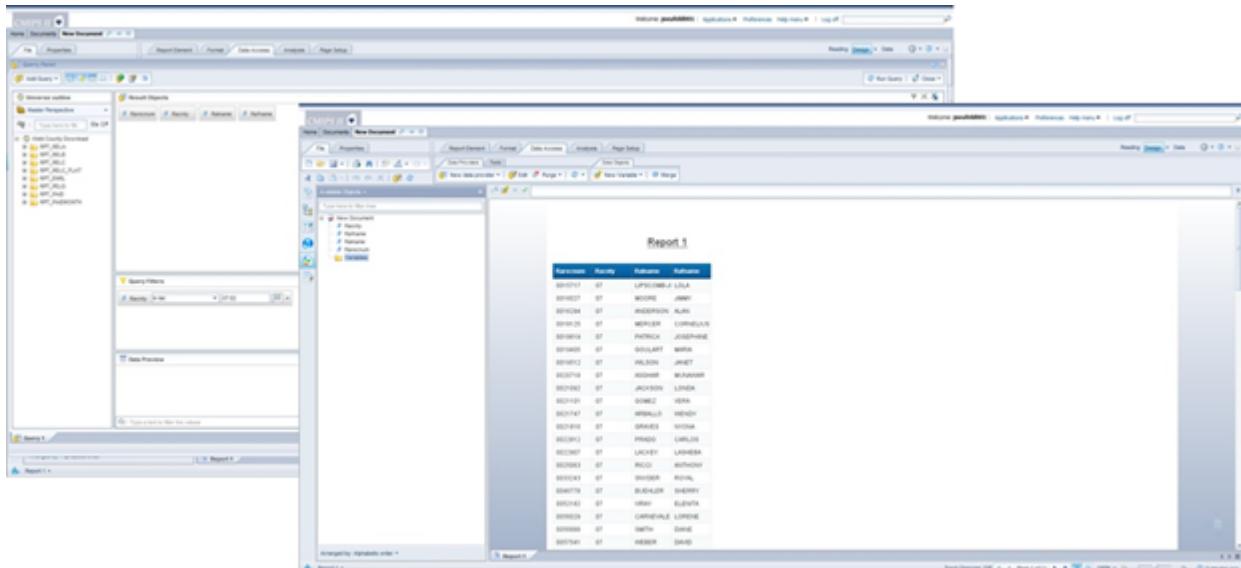


Figure – Create and Run Screen

DSD 8/Architecture – Data Download & AD HOC Tool /Business Process/Screen Designs/Sample Query

CI	Document Name
 CI-801832 - DSD SC ADHOC Sample Query IMPLEMENTED	DSD_SC_AdHoc_Sample_Query.docx

This screen displays a sample report and some of the ways the query data can be modified.



The screenshot shows the DSD 8/Architecture interface with two main windows. The left window is titled 'New Document' and contains a tree view of 'New Document' and 'Report Elements'. It also has sections for 'Query Filters' and 'Data Provider'. The right window is titled 'Report 1' and displays a table with four columns: 'Variable', 'Society', 'ValueName', and 'ValueText'. The table lists approximately 30 rows of data. The interface includes standard menu bars at the top and various toolbars and status bars along the edges.

Variable	Society	ValueName	ValueText
0010000	01	LIPINSKI-JULIA	
0010001	01	MOTTE, JEFF	
0010004	01	ANDERSON, ALAN	
0010005	01	MORILLO, CORNELIOUS	
0010009	01	PATRICK, JOSEPHINE	
0010006	01	BOGOLART, MARIE	
0010012	01	HELDON, JANET	
0010017	01	KOZEMER, MELVYN	
0010002	01	JACKSON, LINDA	
0010010	01	GOMEZ, VERN	
0010047	01	ABRALLOS, HEINZ	
0010014	01	GRAMES, SISTER	
0010003	01	PROKOFIEV, JULIA	
0010008	01	LACHET, LYNNE	
0010005	01	RECO, RUTHIE	
0010003	01	SHIDER, RONAL	
0010018	01	BUSHARD, SHERRY	
0010010	01	LESTER, ELENITA	
0010028	01	CARNEVALE, LORENNE	
0010006	01	SHETH, DAINE	
0010041	01	HEISER, DAVID	

Figure – Sample Query

DSD 8/Architecture – Data Download & AD HOC Tool /Business Process/Error Messages

There are no specific error messages for the data download.

DSD 8/Architecture – Data Download & AD HOC Tool /Business Process/Business Rules

There are no specific business rules for the data download.

DSD 8/Architecture – Data Download & AD HOC Tool /Business Process/Task/Notifications

There are no specific task/notification for the data download.

DSD 8/Architecture – Data Download & AD HOC Tool /Business Process/Internal Interfaces

Internal interfaces and batch processes are those defined by the Reporting Database to provide access to all data elements to support the reports and Ad Hoc tool.

DSD 8/Architecture – Data Download & AD HOC Tool /Business Process/External Interfaces

No external interfaces are used in the Data Download.

DSD 8/Architecture – Data Download & AD HOC Tool /Application Security Roles

There are no specific application security roles for data download and ad hoc tool.

DSD 8/Architecture – Data Download & AD HOC Tool/Batch Processing

This section describes the batch jobs for the data download & ADHOC Tool

#	Batch Process Name	CI	Description	Estimated Size (Records)	Frequency	Send Receive Maintenance
1	ADWARE Load Part 1	 CI-818563 - DSD BTCH PRO PT p adware_monthlyprocess part1 IMPLEMENTED	Extracts legacy DDL data from the DDWARE database and transforms the data and loads it into ADWARE database so that legacy DDL data can be viewed in Webi - Part 1/3.	N/A	Monthly	Maintenance
2	ADWARE Load Part 2	 CI-818562 - DSD BTCH PRO PTL p adware_monthlyprocess part2 IMPLEMENTED	Extracts legacy DDL data from the DDWARE database and transforms the data and loads it into ADWARE database so that legacy DDL data can be viewed in Webi - Part 2/3.	N/A	Monthly	Maintenance
3	ADWARE Load Part 3	 CI-818564 - DSD BTCH PRO PT p adware_monthlyprocess part3 IMPLEMENTED	Extracts legacy DDL data from the DDWARE database and transforms the data and loads it into ADWARE database so that legacy DDL data can be viewed in Webi - Part 3/3.	N/A	Monthly	Maintenance
4	Extract Portal Database	 CI-818565 - DSD BTCH PRO PTL p portal full extract IMPLEMENTED	Extracts the Case Management portal database every day and places the extract files in the dsp09 server.	N/A	Daily	Receive (from CM)
5	Load Portal Database	 CI-818566 - DSD BTCH PRO PTL p portal full load IMPLEMENTED	Loads full data refresh in reporting database so that user security information can access in BO reports and syncs the portal tables with CM.	N/A	Daily	Maintenance
6	Extract Timesheet Metrics	 CI-818567 - DSD BTCH PRO PTL p portal timesheet extract IMPLEMENTED	Extracts the timesheet metrics table in the CM portal database and places the extracted files in the dsp09 server.	N/A	Daily	Receive (from CM)
7	Load Timesheet Metrics	 CI-818568 - DSD BTCH PRO PTL p portal timesheet load IMPLEMENTED	Loads full data refresh in reporting database so that the timesheet metrics information shows in the timesheet processing report and syncs the timesheet metrics portal tables with CM.	N/A	Daily	Maintenance
8	Daily Batch Report (State) - rpdo1xxb	 CI-291657 - DSD BTCH PRO BOR p reporting rpdo1xxb IMPLEMENTED	Daily Batch PDF Reports run for State	N/A	Daily	Maintenance
9	Weekly Batch Report (State) - rpwo159b	 CI-291661 - DSD BTCH PRO BOR reporting rpwo159b IMPLEMENTED	Weekly Batch PDF Reports run for State	N/A	Weekly	Maintenance
10	Monthly Batch Report (State) - rpmo159b	 CI-291642 - DSD BTCH PRO BOR p reporting rpmo159b IMPLEMENTED	Monthly Batch PDF Reports run for State	N/A	Monthly	Maintenance
11	Reporting Sleep Job - rpdo159b	 CI-291643 - DSD BTCH PRO BOR p reporting sleep job rpdo159b IMPLEMENTED	Sleep Job for State daily batch Reports pdf box	N/A	Daily	Maintenance
12	Reporting Sleep Job - rpwo159b	 CI-291654 - DSD BTCH PRO BOR p reporting sleep job rpwo159b IMPLEMENTED	Sleep Job for State weekly batch Reports pdf box	N/A	Weekly	Maintenance
13	Reporting Sleep Job - rpmo159b	 CI-816957 - DSD BTCH PRO BOR p reporting sleep job rpmo159b IMPLEMENTED	Sleep Job for State monthly batch Reports pdf box	N/A	Monthly	Maintenance

14	Send Daily Batch to BO (State) - rpdo159c	 CI-816951 - DSD BTCH PRO BOR p reporting rpdo159c IMPLEMENTED	Send Daily Batch PDF Reports to Business Objects for State	N/A	Daily	Send
15	Send Weekly Batch to BO (State) - rpwo159c	 CI-291644 - DSD BTCH PRO BOR p reporting rpwo159c IMPLEMENTED	Send Weekly Batch PDF Reports to Business Objects for State	N/A	Weekly	Send
16	Send Monthly Batch to BO (State) - rpmo159c	 CI-816958 - DSD BTCH PRO BOR p reporting rpmo159c IMPLEMENTED	Send Monthly Batch PDF Reports to Business Objects for State	N/A	Monthly	Send
17	Daily Batch Report (Counties) - rpdo2xxb	 CI-291648 - DSD BTCH PRO BOR p reporting rpdo2xxb IMPLEMENTED	Daily Batch PDF Reports run for Counties	N/A	Daily	Maintenance
18	Weekly Batch Report (Counties) - rpwo2xxb	 CI-291646 - DSD BTCH PRO BOR p reporting rpwo2xxb IMPLEMENTED	Weekly Batch PDF Reports run for Counties	N/A	Weekly	Maintenance
19	Monthly Batch Report (Counties) - rpmo2xxb	 CI-291649 - DSD BTCH PRO BOR p reporting rpmo2xxb IMPLEMENTED	Monthly Batch PDF Reports run for Counties	N/A	Monthly	Maintenance
20	Reporting Sleep Job - rpdo2xxb	 CI-291652 - DSD BTCH PRO BOR p reporting sleep job rpdo2xxb IMPLEMENTED	Sleep Job for Counties daily batch Reports pdf box	N/A	Daily	Maintenance
21	Reporting Sleep Job - rpwo2xxb	 CI-816953 - DSD BTCH PRO BOR p reporting sleep job rpwo2xxb IMPLEMENTED	Sleep job for Counties weekly batch Reports pdf box	N/A	Weekly	Maintenance
22	Reporting Sleep Job - rpmo2xxb	 CI-816959 - DSD BTCH PRO BOR p reporting sleep job rpmo2xxb IMPLEMENTED	Sleep job for Counties monthly batch Reports pdf box	N/A	Monthly	Maintenance
23	Send Daily Batch to BO (Counties) - rpdo2xxc	 CI-291645 - DSD BTCH PRO BOR p reporting rpdo2xxc IMPLEMENTED	Send Daily Batch PDF Reports to Business Objects for Counties	N/A	Daily	Send
24	Send Weekly Batch to BO (Counties) - rpwo2xxc	 CI-816952 - DSD BTCH PRO BOR p reporting rpwo2xxc IMPLEMENTED	Send Weekly Batch PDF Reports to Business Objects for Counties	N/A	Weekly	Send
25	Send Monthly Batch to BO (Counties) - rpmo2xxc	 CI-816960 - DSD BTCH PRO BOR p reporting rpmo2xxc IMPLEMENTED	Send Monthly Batch PDF Reports to Business Objects for Counties	N/A	Monthly	Send
26	Monthly Batch Report (HBM - Counties) - rpmo5xxb	 CI-291659 - DSD BTCH PRO BOR p reporting rpmo5xxb IMPLEMENTED	Monthly Batch PDF Reports run for HBM for Counties	N/A	Monthly	Maintenance
27	Reporting Sleep Job - rpmo5xxb	 CI-818475 - DSD BTCH PRO BOR p reporting sleep job rpmo5xxb IMPLEMENTED	Sleep Job for Monthly HBM PDF Reports for Counties pdf box	N/A	Monthly	Maintenance
28	Send Monthly Batch (HBM - Counties) to BO - rpmo5xxc	 CI-818474 - DSD BTCH PRO BOR p reporting rpmo5xxc IMPLEMENTED	Send Monthly Batch HBM PDF Reports to Business Objects for Counties	N/A	Monthly	Send
29	Set Batch Date	 CI-291660 - DSD BTCH PRO BOR setenv IMPLEMENTED	Sets Batch Date for Reporting and Data Download Jobs	N/A	Daily	Maintenance

30	Generate Weekly Data Download - aaws2xxa	CI-515050 - DSD BTCH PRO BOR dd reporting aaws2xxa IMPLEMENTED	Generate Weekly Data Download files	N/A	Weekly	Maintenance
31	Daily files post warrants box	CI-816730 - DSD BTCH PRO DD daily files post warrants box IMPLEMENTED	Post Warrants process to generate Daily Data Downloads	N/A	Daily	Maintenance
32	Daily files pre warrants box	CI-816731 - DSD BTCH PRO DD daily files pre warrants box IMPLEMENTED	Pre Warrants process to generate Daily Data Downloads	N/A	Daily	Maintenance
33	Daily files send box	CI-816732 - DSD BTCH PRO DD daily files send box IMPLEMENTED	Send Files Process to send the Daily Data Downloads to Safe Server	N/A	Daily	Send
34	11th of the Month Files Post Warrants Box	CI-816733 - DSD BTCH PRO DD 11th of the month files post warrants box IMPLEMENTED	Post Warrants process to generate 11th of the month Data Downloads	N/A	Monthly - 11th	Maintenance
35	Monthly Files Post Warrants Box	CI-816734 - DSD BTCH PRO DD monthly files post warrants box IMPLEMENTED	Post Warrants process to generate Monthly Data Downloads	N/A	Monthly	Maintenance
36	Monthly Files Pre Warrants Box	CI-816735 - DSD BTCH PRO DD monthly files pre warrants box IMPLEMENTED	Pre Warrants process to generate Monthly Data Downloads	N/A	Monthly	Maintenance
37	Monthly Files Send Box	CI-816736 - DSD BTCH PRO DD monthly files send box IMPLEMENTED	Send Files Process to send the Monthly Data Downloads to Safe Server	N/A	Monthly	Send
38	Monthly Files WPCS Box	CI-816737 - DSD BTCH PRO DD monthly files wpcs box IMPLEMENTED	Process to generate WPCS Monthly Data Downloads	N/A	Monthly	Maintenance
39	11th of the Month Files Send Box	CI-816738 - DSD BTCH PRO DD 11th of the month files send box IMPLEMENTED	Send Files Process to send the 11th of the month Downloads to Safe Server	N/A	Monthly - 11th	Send
40	14th of the Month Files Box	CI-816739 - DSD BTCH PRO DD 14th of the month files box IMPLEMENTED	Process to generate 14th of the month Data Downloads	N/A	Monthly - 14th	Maintenance
41	14th of the Month Files Send Box	CI-816740 - DSD BTCH PRO DD 14th of the month files send box IMPLEMENTED	Send Files Process to send the 14th of the month Downloads to Safe Server	N/A	Monthly - 14th	Send
42	Disaster Prep Files Pre Warrants Box	CI-816745 - DSD BTCH PRO DD disaster prep files pre warrants box IMPLEMENTED	Pre Warrants process to generate Disaster Prep Weekly Data Downloads	N/A	Weekly	Maintenance
43	Disaster Prep Weekly Files Send Box	CI-816746 - DSD BTCH PRO DD disaster prep weekly files send box IMPLEMENTED	Send Files Process to send the Disaster Prep Weekly Data Downloads to Safe Server	N/A	Weekly	Send
44	Weekly Files Pre Warrants Box	CI-816747 - DSD BTCH PRO DD weekly files pre warrants box IMPLEMENTED	Pre Warrants process to generate Weekly Data Downloads	N/A	Weekly	Maintenance
45	Weekly Files Send Box	CI-816748 - DSD BTCH PRO DD weekly files send box IMPLEMENTED	Send Files Process to send the Weekly Data Downloads to Safe Server	N/A	Weekly	Send

46	User Monthly Files Pre Warrants Box	CI-816749 - DSD BTCH PRO DD user monthly files pre warrants box IMPLEMENTED	Pre Warrants process to generate Monthly Data Downloads	N/A	Monthly	Maintenance
47	User Monthly Files Send Box	CI-816750 - DSD BTCH PRO DD user monthly files send box IMPLEMENTED	Send Files Process to send the Monthly Data Downloads to Safe Server	N/A	Monthly	Send
48	Weekly Batch Report (SAWS Counties) - rpwo4xxb	CI-816954 - DSD BTCH PRO BOR p reporting rpwo4xxb IMPLEMENTED	Weekly Batch PDF Reports run for SAWS County	N/A	Weekly	Maintenance
49	Reporting Sleep Job - rpwo4xc	CI-816955 - DSD BTCH PRO BOR p reporting rpwo4xc IMPLEMENTED	Sleep job for SAWS Counties weekly batch Reports pdf box	N/A	Weekly	Maintenance
50	Send Weekly Batch to BO - rpwo4xxb	CI-816956 - DSD BTCH PRO BOR p reporting sleep job rpwo4xxb IMPLEMENTED	Send Weekly Batch PDF Reports to Business Objects for SAWS Counties	N/A	Weekly	Send
51	Monthly Batch Report (LO Benefits Deductions) - rpmo6xxd	CI-816963 - DSD BTCH PRO BOR p reporting rpmo6xxd IMPLEMENTED	Runs monthly LO Benefits Deductions Reports (csv)	N/A	Monthly	Maintenance
52	Reporting Sleep Job - rpmo6xxd	CI-816962 - DSD BTCH PRO BOR p reporting sleep job rpmo6xxd IMPLEMENTED	Sleep Job for monthly LO Benefit Deduction Reports box	N/A	Monthly	Maintenance
53	Send Monthly Batch (LO Benefits Deductions) to BO - rpmo6xxe	CI-816961 - DSD BTCH PRO BOR p reporting rpmo6xxe IMPLEMENTED	Send monthly LO Benefits Deductions Reports to Business Objects	N/A	Monthly	Send
54	Monthly Batch Report (HBM - State) - rpmo159d	CI-818473 - DSD BTCH PRO BOR p reporting rpmo159d IMPLEMENTED	Runs monthly HBM Reports (pdf) - State	N/A	Monthly	Maintenance
55	Send Monthly Batch (HBM - State) to BO - rpmo159e	CI-818472 - DSD BTCH PRO BOR p reporting rpmo159e IMPLEMENTED	Sends PDF HBM Reports to BO - State	N/A	Monthly	Send
56	Quarterly Batch Report (State) - rpqo159b	CI-818478 - DSD BTCH PRO BOR p reporting rpqo159b IMPLEMENTED	Quarterly Batch PDF Reports run for State	N/A	Quarterly	Maintenance
57	Reporting Sleep Job - rpqo159b	CI-818476 - DSD BTCH PRO BOR p reporting sleep job rpqo159b IMPLEMENTED	Sleep Job for State quarterly batch Reports pdf box	N/A	Quarterly	Maintenance
58	Send Quarterly Batch to BO (State) - rpqo159c	CI-818477 - DSD BTCH PRO BOR p reporting rpqo159c IMPLEMENTED	Send Quarterly Batch PDF Reports to Business Objects for State	N/A	Quarterly	Send
59	Quarterly Batch Report (Counties) - rpqo2xxb	CI-818484 - DSD BTCH PRO BOR p reporting rpqo2xxb IMPLEMENTED	Quarterly Batch PDF Reports run for Counties	N/A	Quarterly	Maintenance
60	Reporting Sleep Job - rpqo2xxb	CI-818482 - DSD BTCH PRO BOR p reporting sleep job rpqo2xxb IMPLEMENTED	Sleep Job for Counties quarterly batch Reports pdf box	N/A	Quarterly	Maintenance
61	Send Quarterly Batch to BO (Counties) - rpqo2xxc	CI-818483 - DSD BTCH PRO BOR p reporting rpqo2xxc IMPLEMENTED	Send Quarterly Batch PDF Reports to Business Objects for Counties	N/A	Quarterly	Send

62	Quarterly Batch Report (State) - rpyo159b	 CI-818486 - DSD BTCH PRO BOR p reporting rpyo159b IMPLEMENTED	Yearly Batch PDF Reports run for State	N/A	Yearly	Maintenance
63	Reporting Sleep Job - rpyo159b	 CI-818485 - DSD BTCH PRO BOR p reporting sleep job rpyo159b IMPLEMENTED	Sleep Job for State yearly batch Reports pdf box	N/A	Yearly	Maintenance
64	Send Yearly Batch to BO (State) - rpyo159c	 CI-818487 - DSD BTCH PRO BOR p reporting rpyo159c IMPLEMENTED	Send Yearly Batch PDF Reports to Business Objects for State	N/A	Yearly	Send
65	Yearly Batch Report (Counties) - rpyo2xxb	 CI-818489 - DSD BTCH PRO BOR p reporting rpyo2xxb IMPLEMENTED	Yearly Batch PDF Reports run for Counties	N/A	Yearly	Maintenance
66	Reporting Sleep Job - rpyo2xxb	 CI-818490 - DSD BTCH PRO BOR p reporting sleep job rpyo2xxb IMPLEMENTED	Sleep Job for State yearly batch Reports pdf box	N/A	Yearly	Maintenance
67	Send Yearly Batch to BO (Counties) - rpyo2xxc	 CI-818488 - DSD BTCH PRO BOR p reporting rpyo2xxc IMPLEMENTED	Send Yearly Batch PDF Reports to Business Objects for Counties	N/A	Yearly	Send
68	Assessment Due Materialized Query Table (MQT) Job	 CI-818493 - DSD BTCH PRO BOR p db2mqtassdue IMPLEMENTED	Batch job runs a DB2 query to generate a table containing assessment due date information for BO Reporting.	N/A	Daily	Maintenance
69	Service Assessment MQT Job	 CI-818495 - DSD BTCH PRO BOR p db2mqtservassX IMPLEMENTED	Batch job runs a DB2 query to generate tables containing service assessment information for BO Reporting.	N/A	Daily	Maintenance
70	Recipient Med-Cal Summary MQT Job	 CI-818497 - DSD BTCH PRO BOR p db2mqtrecpsummedcal IMPLEMENTED	Batch job runs a DB2 query to generate a table containing Recipient Med-Cal summary information for BO Reporting.	N/A	Daily	Maintenance
71	Paid Case MQT Job	 CI-818499 - DSD BTCH PRO BOR p db2mqtpaidcase IMPLEMENTED	Batch job runs a DB2 query to generate a table containing paid case information for BO Reporting.	N/A	Daily	Maintenance
72	Recipient Summary MQT Job	 CI-818501 - DSD BTCH PRO BOR p db2mqtrecpsum IMPLEMENTED	Batch job runs a DB2 query to generate a table containing a Recipient summary for BO Reporting.	N/A	Daily	Maintenance
73	Provider Warrant Info MQT Job	 CI-818502 - DSD BTCH PRO BOR p db2mqtwarinforprov60 IMPLEMENTED	Batch job runs a DB2 query to generate a table containing Provider warrant information for BO Reporting.	N/A	Daily	Maintenance
74	Provider Warrant Info Sleep Job	 CI-818500 - DSD BTCH PRO BOR p db2mqtwarinforprov60 sleep IMPLEMENTED	Sleep job for Provider Warrant Issue MQT box	N/A	Daily	Maintenance
75	Warrants Reissued MQT Job	 CI-818503 - DSD BTCH PRO BOR p db2mqtwarrantsreissued IMPLEMENTED	Batch job runs a DB2 query to generate a table containing reissued warrant information for BO Reporting.	N/A	Daily	Maintenance
76	Provider Authorized Date MQT Job	 CI-818504 - DSD BTCH PRO BOR p db2mqtauthdtprov60 IMPLEMENTED	Batch job runs a DB2 query to generate a table containing Provider authorized date information for BO Reporting.	N/A	Daily	Maintenance

77	Report Daily Done	CI-818505 - DSD BTCH PRO BOR p rpt daily done IMPLEMENTED	Sends a message when Reporting Cycle Completes	N/A	Daily	Maintenance
78	Daily Batch Report (Back Office) - rpdo26xb	CI-818514 - DSD BTCH PRO BOR p backoffice helpdesk reporting rpdo26xb IMPLEMENTED	Schedule BO Reports for Back Office	N/A	Daily	Maintenance
79	Send Daily Batch (Back Office) to BO - rpdo26xc	CI-818515 - DSD BTCH PRO BOR p backoffice helpdesk reporting rpdo26xc IMPLEMENTED	Send Reports to BO folder - Back Office	N/A	Daily	Send
80	Quarterly Batch Report (Counties PA) - rpdo3xxb	CI-818520 - DSD BTCH PRO BOR p reporting rpdo3xxb IMPLEMENTED	Bi-Weekly Batch PDF Reports run for Counties PA	N/A	Bi-Weekly	Maintenance
81	Reporting Sleep Job - rpdo3xxb	CI-818521 - DSD BTCH PRO BOR p reporting sleep job rpdo3xxb IMPLEMENTED	Sleep Job for Counties PA bi-weekly batch Reports pdf box	N/A	Bi-Weekly	Maintenance
82	Send Quarterly Batch to BO (Counties PA) - rpdo3xxc	CI-818522 - DSD BTCH PRO BOR p reporting rpdo3xxc IMPLEMENTED	Send Bi-Weekly Batch PDF Reports to Business Objects for Counties PA	N/A	Bi-Weekly	Send
83	Monthly BO Report - rpmo7xxb	CI-818510 - DSD BTCH PRO BOR p reporting rpmo7xxb IMPLEMENTED	Schedules monthly BO Reports	N/A	Monthly	Maintenance
84	Reporting Sleep Job - rpmo7xxb	CI-818512 - DSD BTCH PRO BOR p reporting sleep job rpmo7xxb IMPLEMENTED	Sleep Job for monthly BO Reports box	N/A	Monthly	Maintenance
85	Send Monthly Report to BO - rpmo7xxc	CI-818511 - DSD BTCH PRO BOR p reporting rpmo7xxc IMPLEMENTED	Send monthly Reports to Business Objects	N/A	Monthly	Send

DSD 8/Architecture – Data Download & AD HOC Tool /Reporting

The ad hoc reports are indexed for performance.

DSD 8/Architecture – Data Download & AD HOC Tool/Forms

There are no forms associated to Data Downloads or the Ad Hoc reporting tool.

DSD 8/Architecture – Data Download & AD HOC Tool /Database Entities

Database entities are defined in the DDD.

DSD 8/Architecture – Data Download & AD HOC Tool /Download Data Elements

The data dictionary for Data-Download based reporting database tables is defined in Database Design Description DDD document (CMIPShare > Document Center > Deliverables > 4.2-05 Database Design Description) under sub-section 9.1.5: Data Download ERD.

Data dictionary includes the names of reporting database tables (data element), plus additional details like 'type,' 'length' or 'constraint-type' of each data element. It also includes source ETL, application and table/column names for each data element in reporting database.

File descriptions and interface details for the Data Download files are located in the [Interface Design Description \(IDD\)](#) and [IDD – Appendix B](#) respectively.

DSD 8/Architecture – Data Download & AD HOC Tool/Ad Hoc Data Elements

Ad Hoc schema, classes and interface details for the Webi application is located in the [Detailed System Design \(DSD\)](#) and the [DSD – Appendix E](#).