***EQUIFAX***

CMS Fusion

**DATA MENU**

**DOCUMENTATION**

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**Revision History**

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| 1.1 | Equifax | 11/16/2017 | Review |
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**Updates**

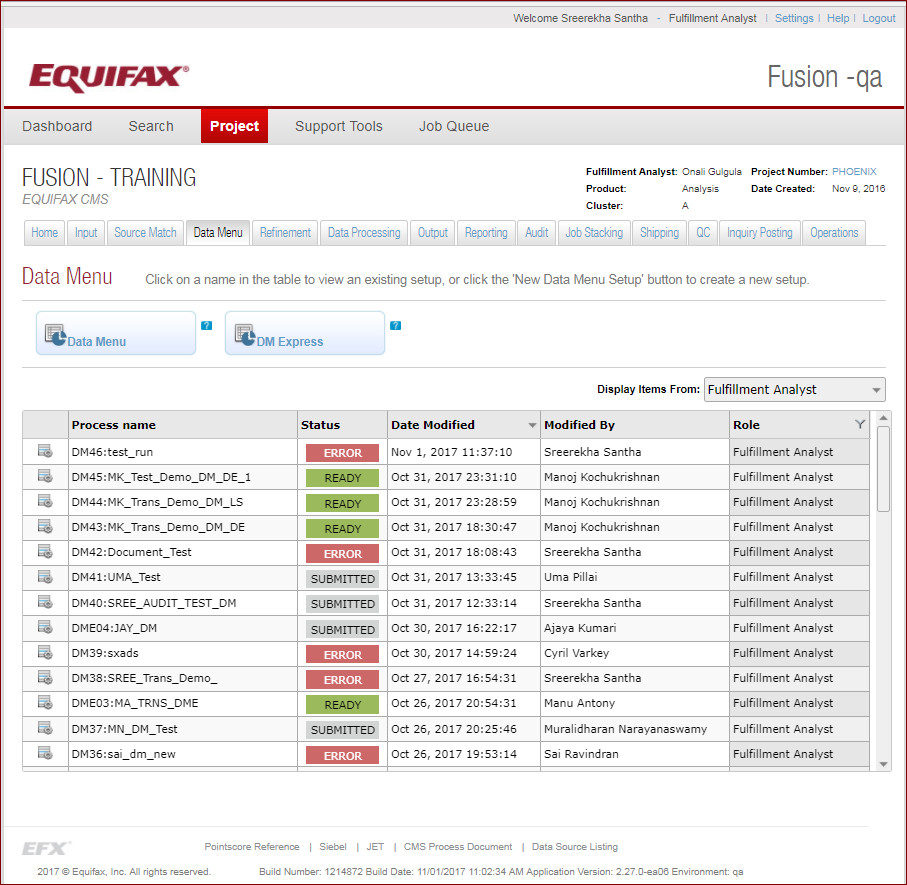
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
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| 28/02/2018 | Sprint58(CF2-315) | Warnings to GP\_LOAD stat for empty files and Zero Accept Records. | [11.2. Error/ Warnings Stats](#ErrorWarningsStats) | Varnika Priydarshini |
| 5/02/2018 | Sprint58(CF2-2910) | Preliminary support for ANav modules on DataPump 2.0 | [4.2. Add ANav](#provision) | Varnika Priydarshini |
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| 8/03/2018 | Sprint59(CF2-3024) | Consolidate the first 4 Data Menu pages to 1 page | [2. Preliminary Details](#Consolidate) | Varnika Priydarshini |
| 12/03/2018 | Sprint60(CF2-3136) | Summary's layout view must display Predicted Data Type | [10.2. Predicted fields Overview](#DataTypes) | Varnika Priydarshini |

# Data Menu

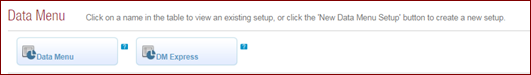
The Data Menu process is where we actually poll the credit file or other data sources via Data Pump. It is in this process we apply the initial criteria to the records found in Source Match, and calculates the attributes and scores to be used in the subsequent processes.

## Data Menu Home

All the Data Menu processes created for the current project are listed in the Data Menu’s home screen.



By clicking on the **Data Menu** or **DM Express** option we can create a new Data Menu process.



The DM Express option is used for a quick Data Menu process creation. It’s a compact form of the Data Menu option. There are 12 different steps involved in the Data Menu process.

All the Data Menu processes are detailed in the Data Menu grid. Some of the fields of the grid are explained below.

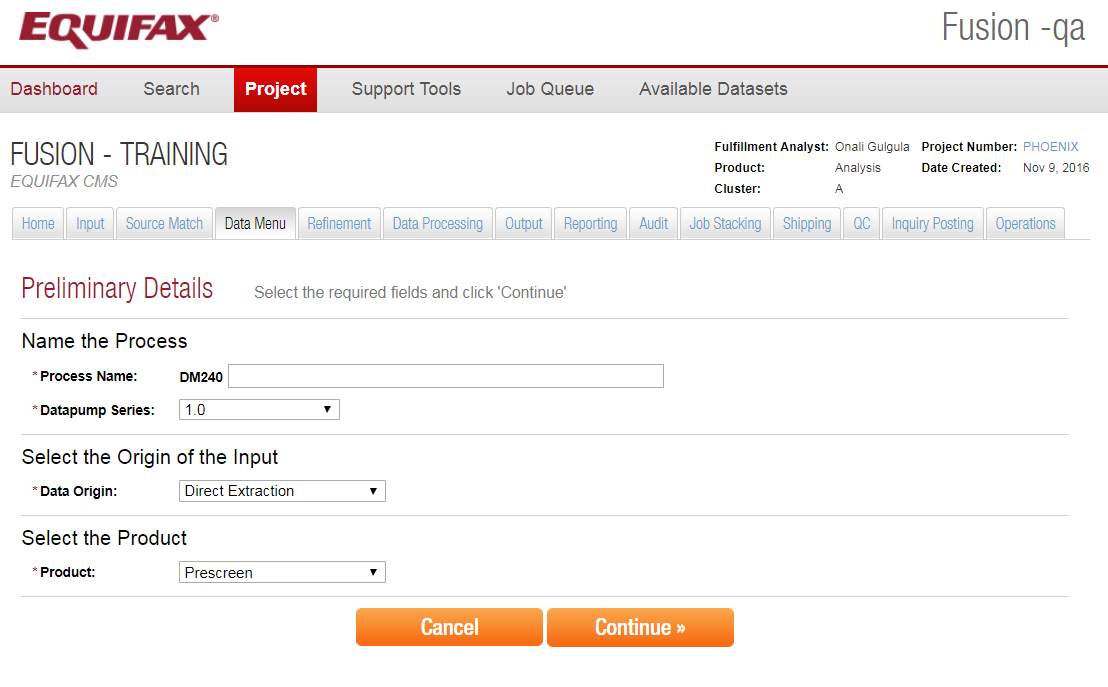
* **Process Name**: All the Data Menu process names are displayed in this column.
* **Status**: Data Menu process has following valid statuses displayed in different colors:

1. *Submitted* (no color) – When the process is submitted successfully without any error, then this status is displayed.
2. *Ready (green)* – The process is saved and is ready to run.
3. *Warning (yellow)* – Currently not displayed.
4. *Error (red)* –When any issue occurs (like no module is selected), this status is displayed

* **Date Modified**: Date & time when the process is last modified in military format
* **Modified By:**  Name of the person that performed the last edit on the corresponding process.
* **Role:** This is the role of the user that created the process. The role for a process remains the same even when edited by a user with a different role. Possible roles are Fulfillment Analyst/Programmer/QC.

## Preliminary Details

This is a consolidated page where user has to provide Process name, DataPump series, Origin of the input and the Product as a preliminary Detail to create a process. Depending on the data Origin selected the window gets enhanced providing a new section of Select an Input where the user has to give the process name and data also in the preliminary details. This Section is only for List Source and CID List.



### 2.1 Name the Process

**Process name** is divided into 2 main parts. The first part of the process name is assigned by the system and the second part is entered by the user. The first part consists of a constant “DM” followed by a two-byte sequence number beginning with 01 and increasing incrementally by 1 with each new process created.

**Data pump Series** is 1.0. A new version of DP series is under construction which is 2.0 [Sumerian].

### Data Origin

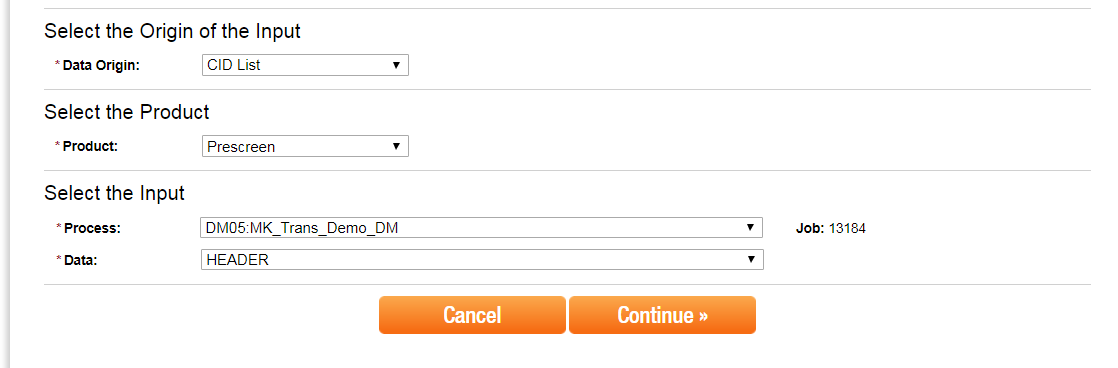
It’s specifying the origin of the records to be processed. It can be a direct extraction, list source, CID List and Pre-Select. Different options available in the data origin are as follows:

* **Direct Extraction** – The input to the DM process is the entire credit database.
* **List Source** – Out put file from the Source Match is used as the input to the Data Menu
* **CID List** – The input is a file containing a list of CIDs which identifies which credit records to process.
* **Pre Select** – Prescreening the records based on some criteria [e.g. Age, Gender, Hispanic indicator, State, and Zip code] before interacting with Data Pump. A separate database which contains the above said criteria’s will be used to obtain a list of CIDs prior to calculating scores, attributes, and credit decisions in the Data Pump job.

Depending upon the options selected in the Data Origin drop down, a text box will appear. This is applicable to CID List and List Source only.

### **Select the Input**

This section is used to select the particular input Process. User can select the Input process from the process drop down. When the input process is selected its Job ID will be displayed under the Job heading.

**

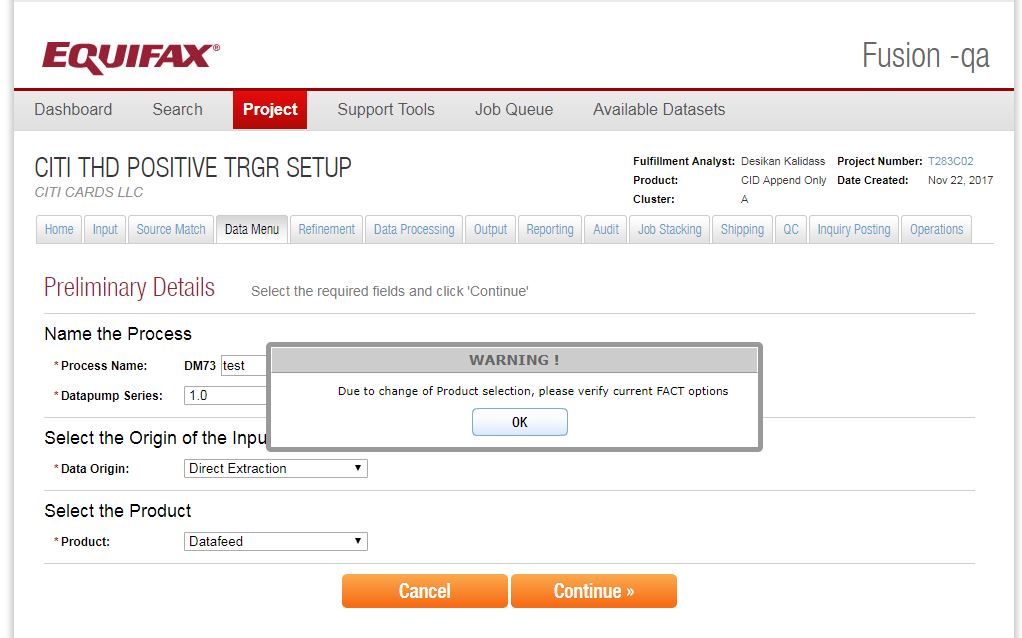
### 2.4 Product

This specifies the purpose the current Data Menu process. There are various options available in the Product dropdown. They are explained as follows:

* **Prescreen** – Prescreening the data for the acquisition of new customer
* **BPR** – A type of Portfolio review. These are specific to jobs processing data from the **NCTUE** database.
* **BAM** – A type of Account Monitoring. These are specific to jobs processing data from the **NCTUE** database.
* **Customer Port Folio Review** – Reviewing the existing customer’s portfolio.
* **Data Feed** – Currently not used

Depending upon the option selected in the Product, the subsequent text box will appear. For the current documentation I have selected **Prescreen.**

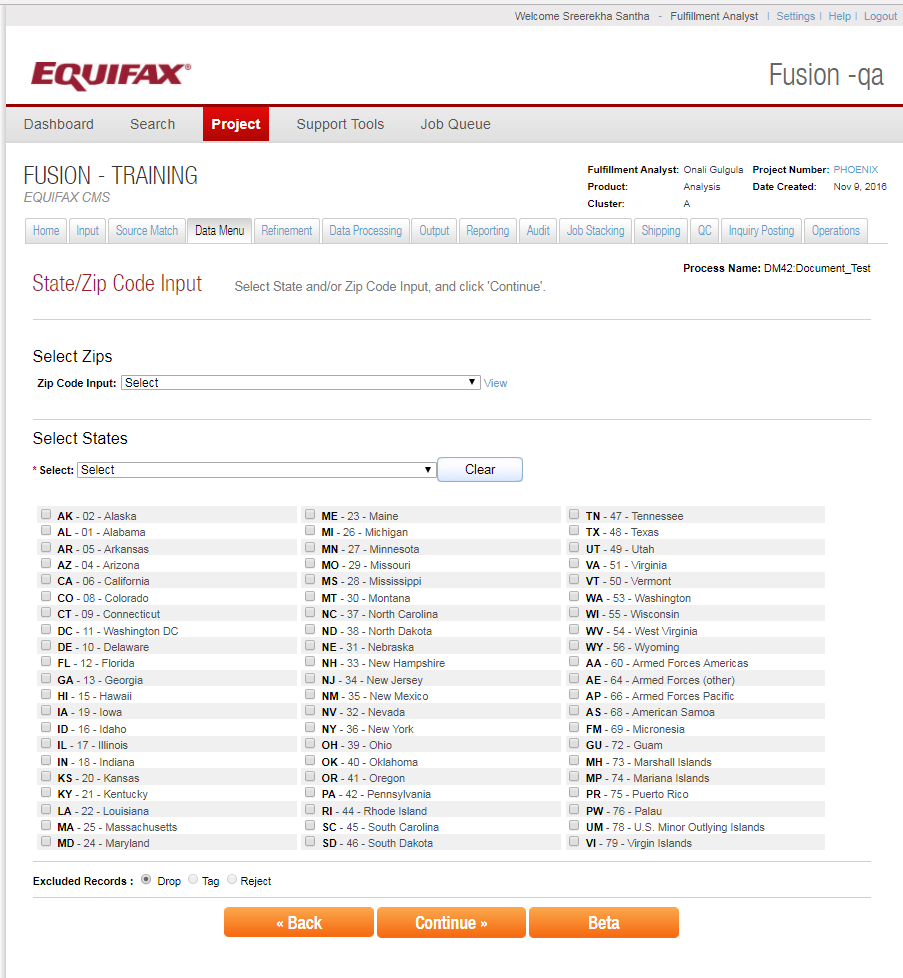
While proving a Product value some specific FACT Act is selected. If the user changes the product in an existing Data Menu, the selected FACT option remains unaffected and a warning message is displayed on “continue” button saying.......**"Due to change of product selection, please verify current FACT options”**.

****

 Press "OK" to continue and configure the FACT act for the selected product in the Data Menu Filter and Configuration.

## State/Zip Code Input

Provides the provision to select against which geographical area we need to extract the data. Either we can provide Zip Code list or select state else both.



**Select Zips**

We can provide a list of zip codes, so that the Data Menu process will run on those zip codes alone.



**Select States**



We can provide a list of states as input so that the Data Menu process will run on that states alone. We can also select the States in the States grid provided



**Exclude Records**

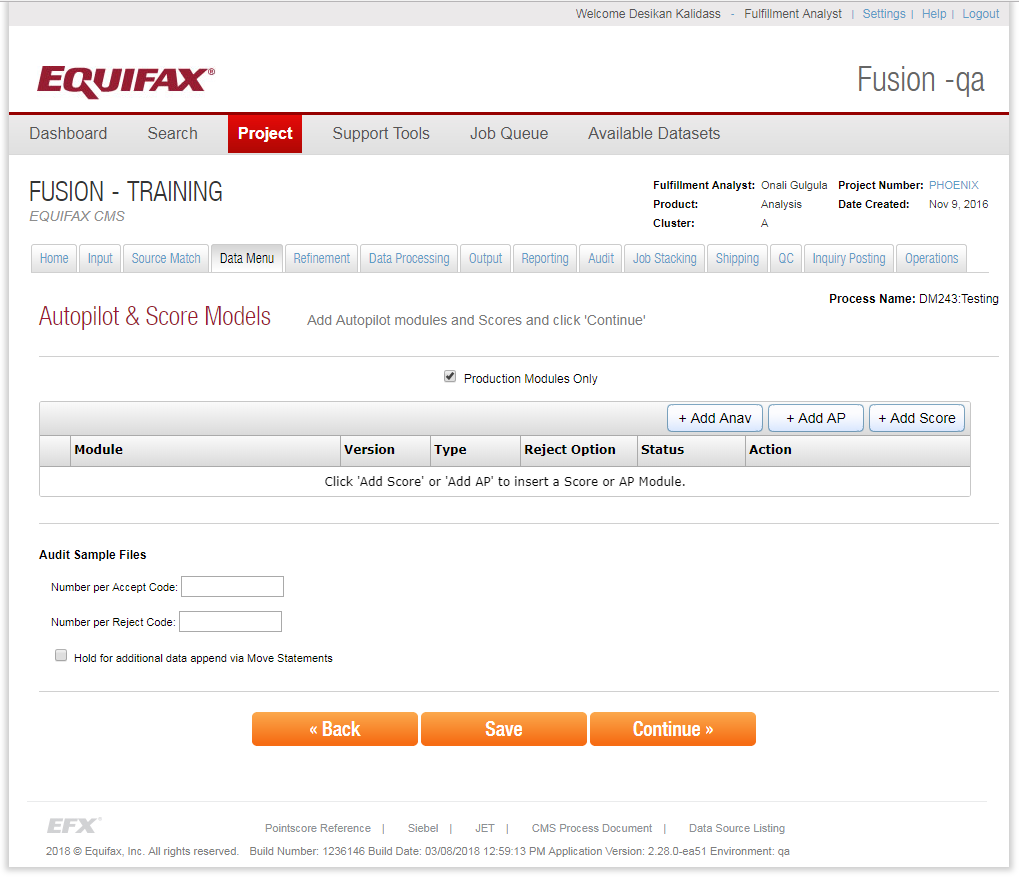


Says what action needs to be performed on the failed records which doesn’t satisfy the geographical selections made. Below are the options available.

* **Tag** – Tag the rejected records and continue process.
* **Reject** – Keep the records but don’t process the rejected records further.
* **Drop** – Remove the rejected records and do not process further on those records. Default selected.

## Autopilot & Score Models

Screen has provision to select the auto pilot modules and the Score models to be applied in the data pump for the current data menu process.



Auto pilot modules calculate the attributes. The screen has provision to select the autopilot module to be applied in the data pump.

### 4.1 Production Modules Only



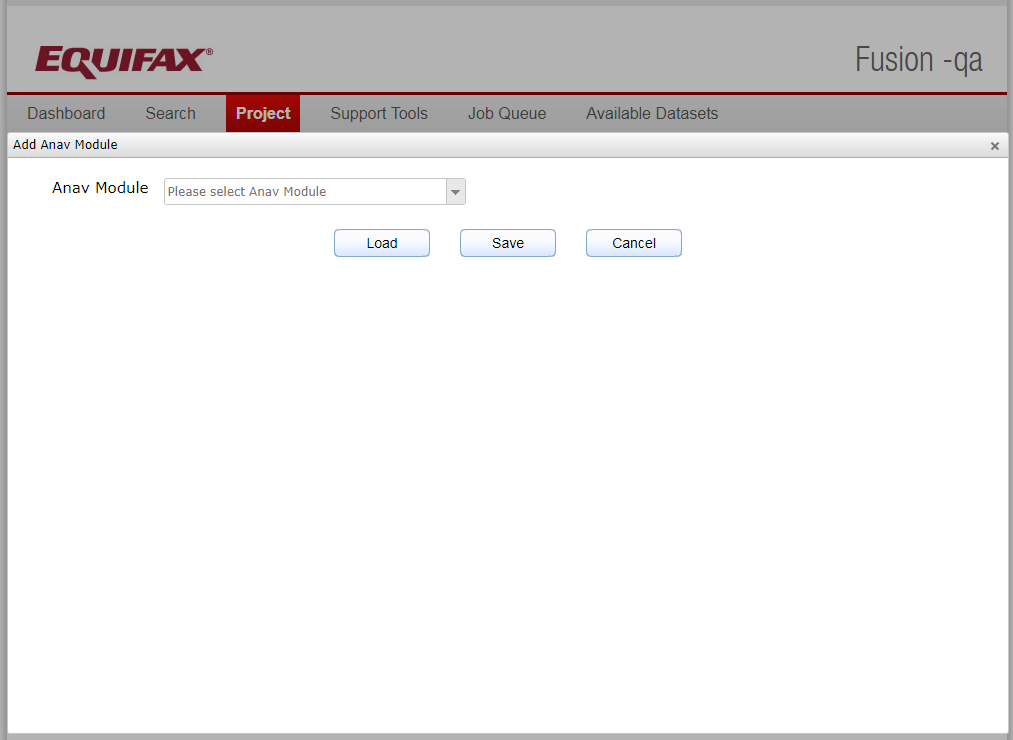
By default it’s checked. If checked means, only the modules deployed in the production directory will be available in the subsequent screen. For programmers to test their AP modules deployed in the test environment, make sure the checkbox is unchecked so that both development and production deployed modules will be available for selection in the next screens. On the other hand if unchecked, it first checks the development library for modules, if it’s not present then the production will be scanned.

### 4.2 Add ANav

After we add the ANav, a popup with a dropdown list for selecting the ANav module is shown. The ANav dropdown list is populated with a preset list of ANav modules from a table in the database.

**C:\Users\dxr210\Pictures\Capture.PNG**

We can have multiple ANav modules added in the data menu and click Save.



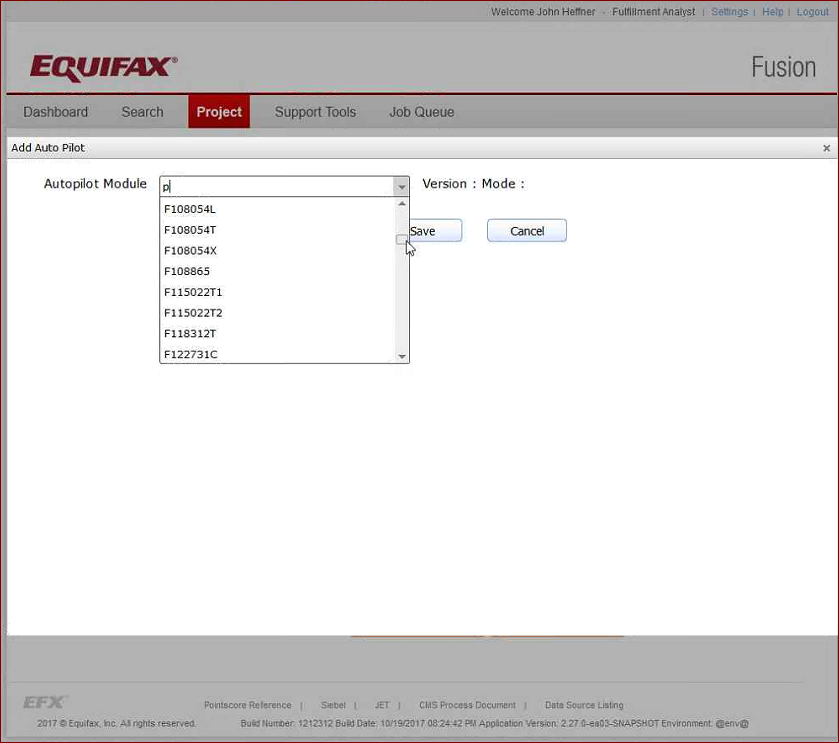
Currently this service is disabled, it is under process. So, user cannot add Anav Module.

### 4.3 Add AP

After we add the Auto Pilot, it has the provision to select the auto pilot modules from the list of available modules.

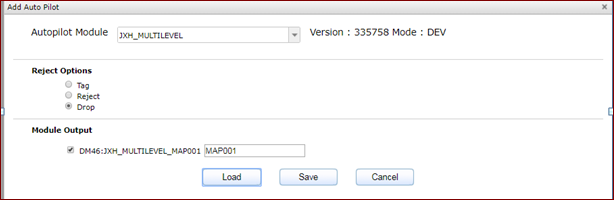


We can have multiple auto pilot modules added in the data menu and click Save.

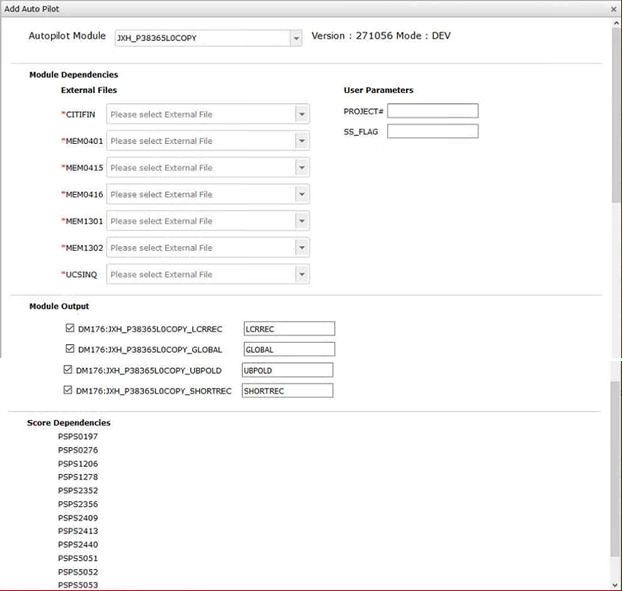


Once the appropriate module is selected, click on the Load button which can load the following:

* **Version:** The current version of auto pilot module deployed.
* **Mode:** Whether it’s Production or DEV.
* **Reject Options:** What to be done on the records which were failed in the auto pilot criteria. Default is Drop.
* **Module Output:** The output map name.



Some Autopilot modules may depend on some external files means in order to calculate the attribute in AP module it may require some inputs from other files. Below screen shows AP module which has dependency on external files.



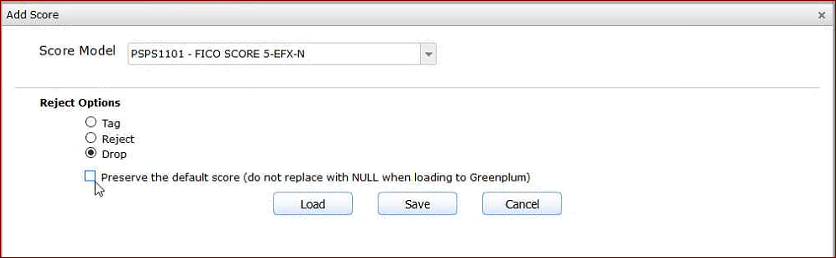
There is an *External File Manager* tool, which boards the external files to fusion system. Once it is boarded, those files will be available for selection in the *External Files* drop down

**Score dependencies** shows on which score models this AP modules depend. All the listed score models will be added to the process.

### 4.4 Add Score



There are different score models that have been created to score customers based on their history. Different score models can be selected like Fico score model, Equifax score model etc.

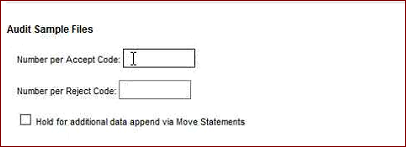


### 4.5 Audit Sample Files

Audit sample files are the printed report of credit files, to test and verify the various details (E.g. Are the attributes, calculated correctly or not?). In this section we opt whether we require the sample audit file (input for audit application) and how many ACCEPTS and REJECTS expected per level [A, B, C ...] in the audit sample file. With the sample file process in audit, we get credit data on sample files.

After selecting a process, job and data, we can choose how many records we require for a particular accept level or reject level.

We can also select the hold for additional data append via move statements that prevents the sample files from being delivered to the Audit tool.

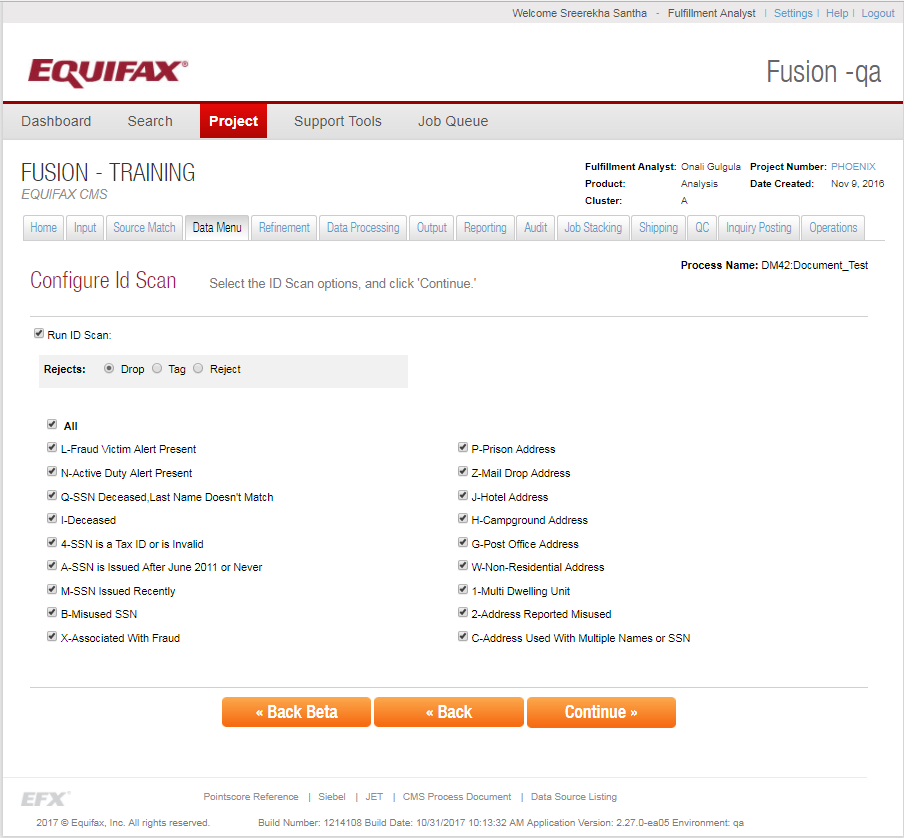


## Configure ID Scan

Customers may be flagged on the basis of suspicious activity. This sections checks whether the identity of the person is dependable or not.

Based on the selection those customers with suspicious identity will be dropped/tagged/rejected from the list, accordingly. The customers having one or more flags like deceased or misused SSN can be dropped from the output list.

The screenshot of the same is shown below.

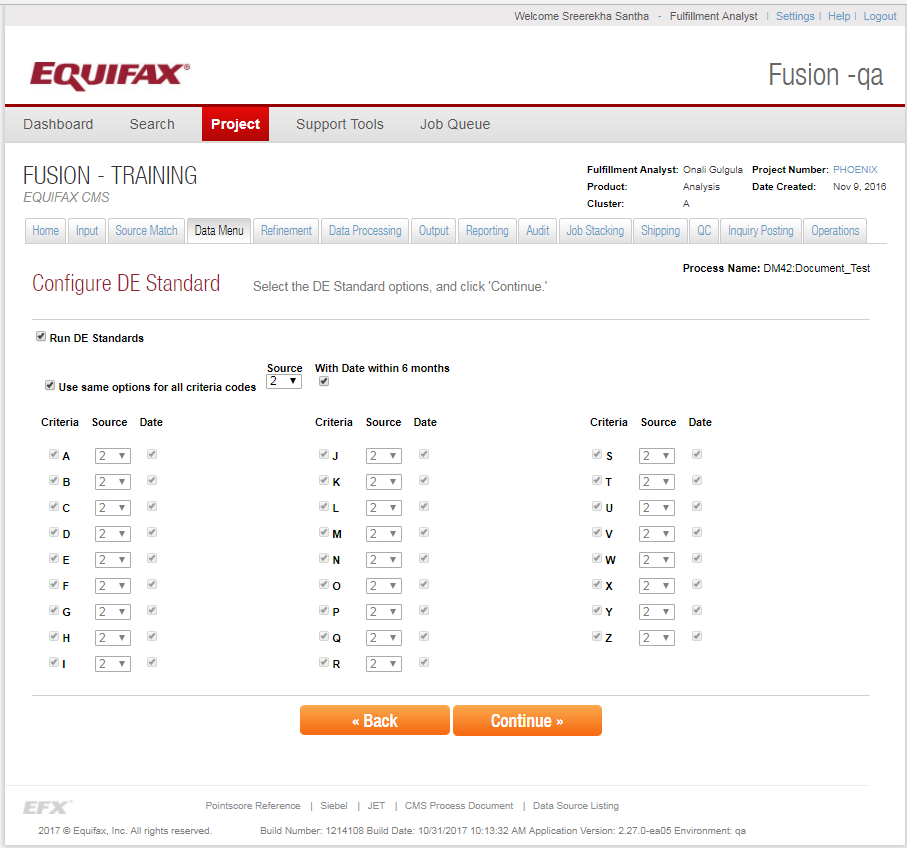


## Configure DE Standard

Here, it involves the configuration of the Direct Extraction Standard.

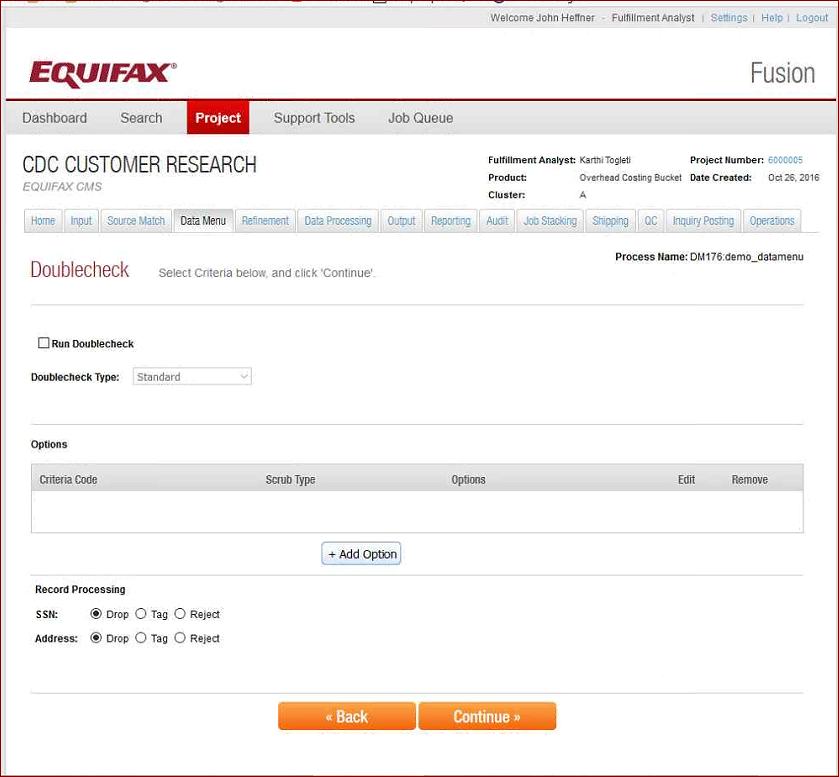
We can check this option to pull records that meets the minimum requirements. For example, the ones having source rule as at least 2 (information about a person from at least two different sources [Trade line or inquiry]) and the activity range within 6 months etc.

The screenshot of the Data Menu’s DE Standard configuration is shown below.



## Double check

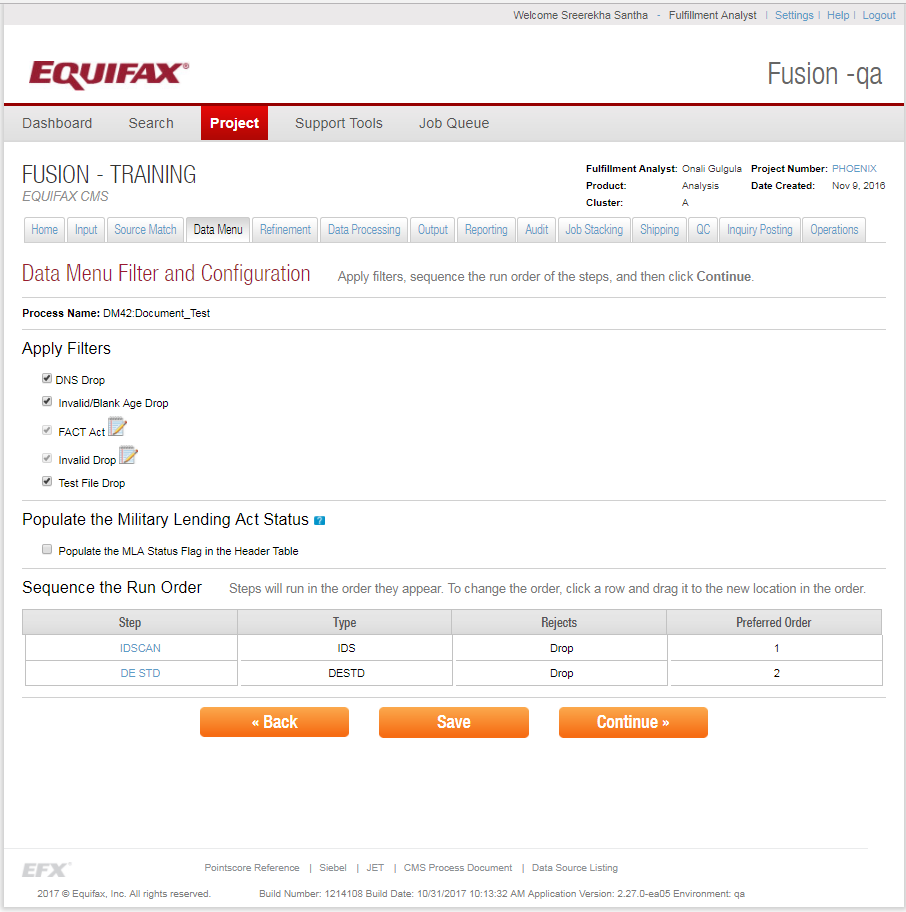
It contains a checkbox - Run Doublecheck. We can check this option to double check the SSN and addresses from a reference table.



Here we can add various options based on the criteria code. It also consists record processing.

## Data menu Filter and Configuration page

The data menu filter and configuration page comprises of the filters applied to the process. It also tells the sequence on which the steps needs to execute



**Apply Filters**

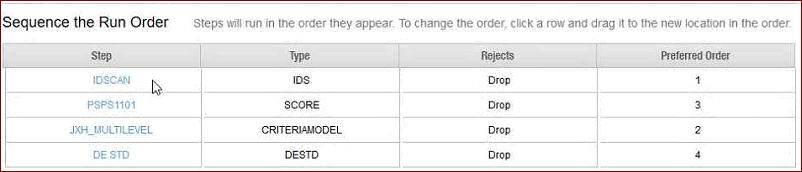
The filters needs to apply in the process include – DNS Drop, Invalid/Blank Age Drop, FACT Act, Invalid Drop and Test File Drop.



* **DNS Drop** – Drop the Do Not Solicit customer to prevent them sending promotional offers
* **Invalid/Blank Age Drop** – Drop the customers whose age is invalid of blank in the credit file
* **FACT Act** - Fraud Alert Contact. This is a law that was passed that requires that a consumer with a Fraud Alert on their file must be notified in writing when their credit file is accessed.
* **Invalid Drop** - If you click on the edit icon you’ll see a list of options that allow you to reject records with certain types of invalid data. Like invalid names/addresses/business addresses/etc.
* **Test File Drop** – Drop the test files in the DB

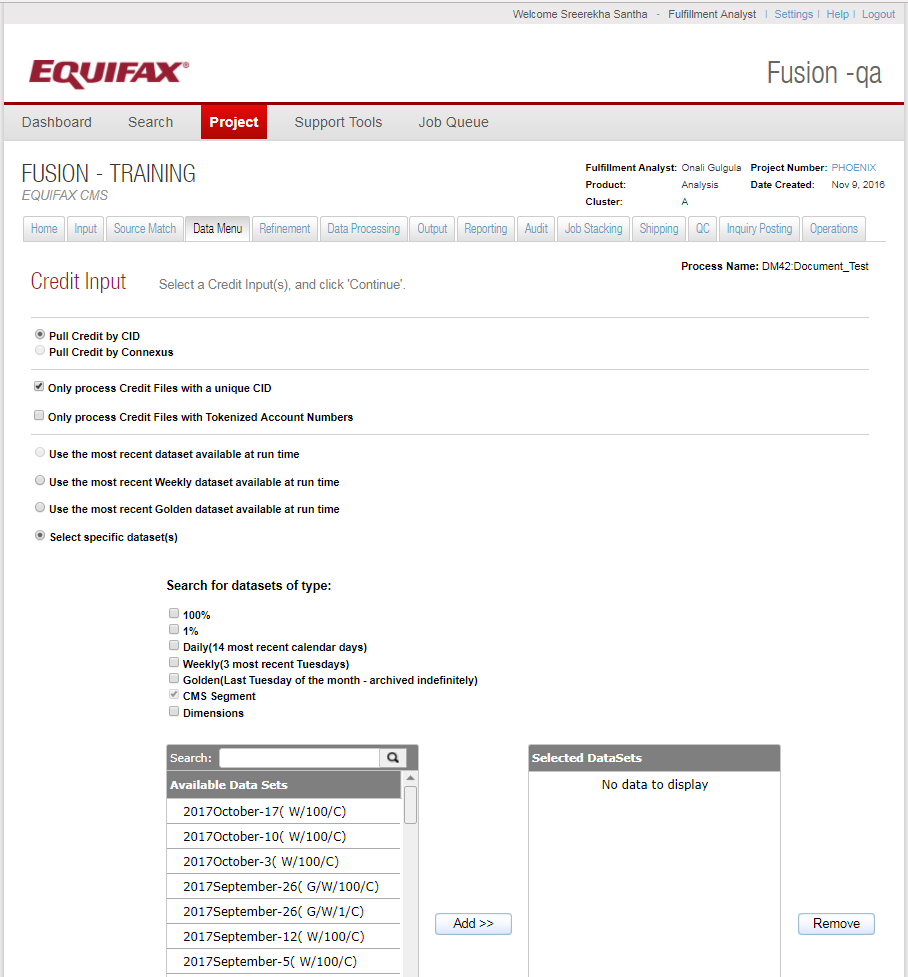
**Sequence the Run order**

Here, we can re-arrange the order of steps accordingly. For e.g. if we want to run the identity scan after the score calculation, move the IDSCAN to the last position.



## Credit Input

Select the Credit data set to be processed among the list of golden/weekly/monthly/1%/100% data sets.



**Pull Credit By**



Opt whether to pull the credit information by CID (Credit ID) or the Connexus key (Key created based on the name and address, using the Connexus algorithm)

**Only Process Credit Files**



There are scenarios where the same CID’s may present in more than one credit files. In such scenarios, this option tells either to consider/ignore duplicate CID files.

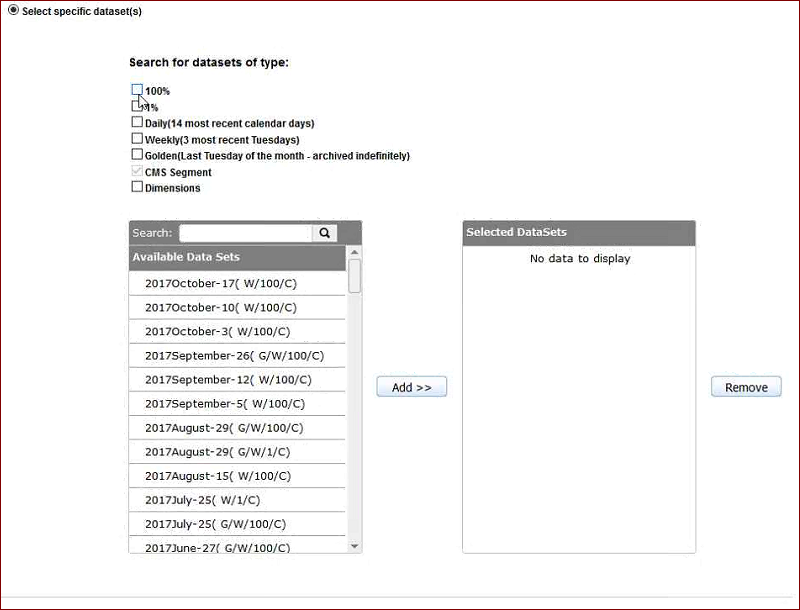
**Use Most Recent**

It implies which credit dataset we need to use in the Data Pump.



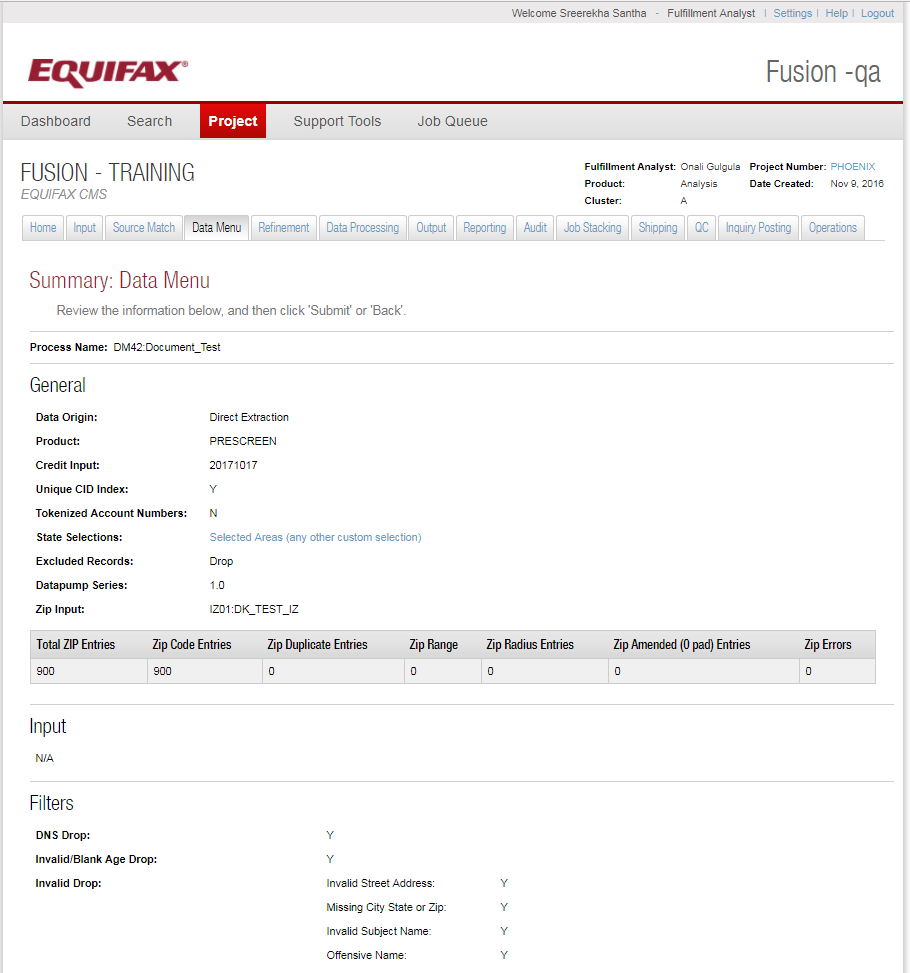
The available options are as follows:

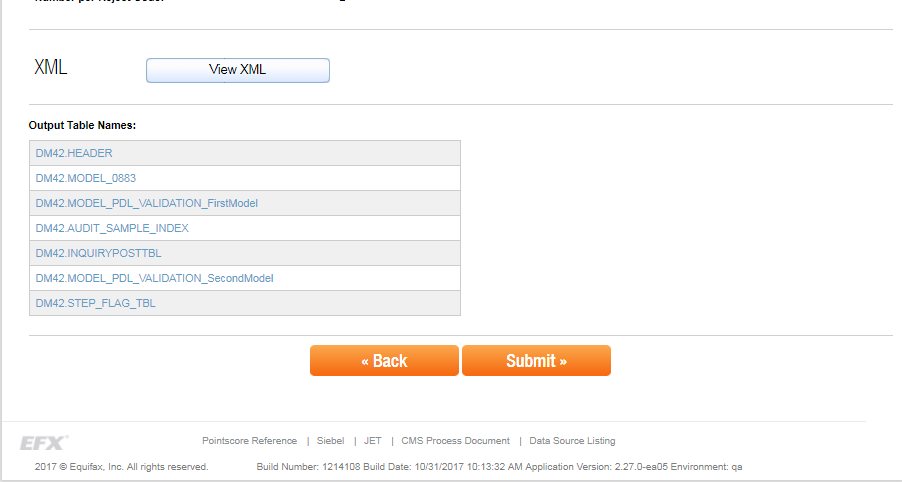
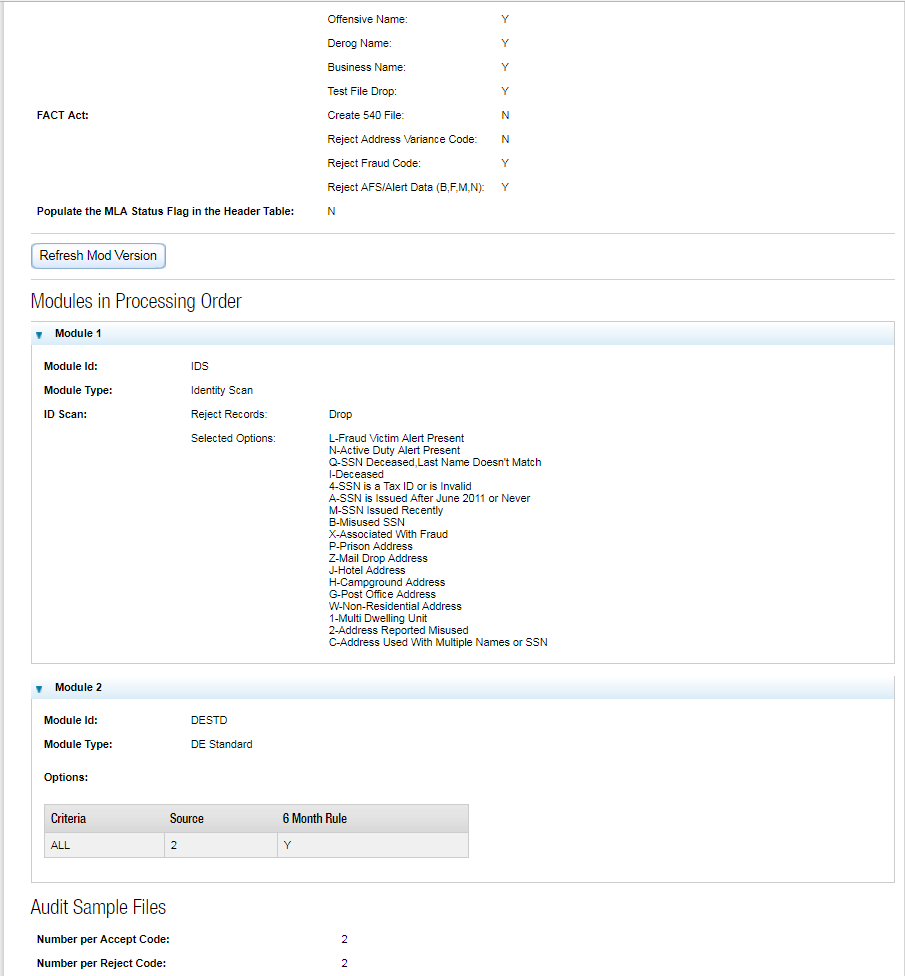
* Use the most recent dataset available at run time: Once this option is selected, the Data Menu will run on the most recent copy of the ACRO files.
* Use the most recent Weekly dataset available at run time: It represents the last Tuesday’s file.
* Use the most recent Golden dataset available at run time: It represents the file from the last Tuesday of the month. Golden copies of the datasets are kept forever.
* Select specific dataset(s): The dataset can be 100% or 1% (1% of data for testing is created weekly) or Daily or Weekly or Monthly or Dimensions (Different data source of every 24 months records). We can add the datasets using the Add button. When multiple datasets are selected, separate DataPump job is submitted using the same configuration for each dataset selected.
* For jobs with Dimensions data source, when determining data sources from original data menu, the process should look to see what Dimensions dataset was used.



## Summary

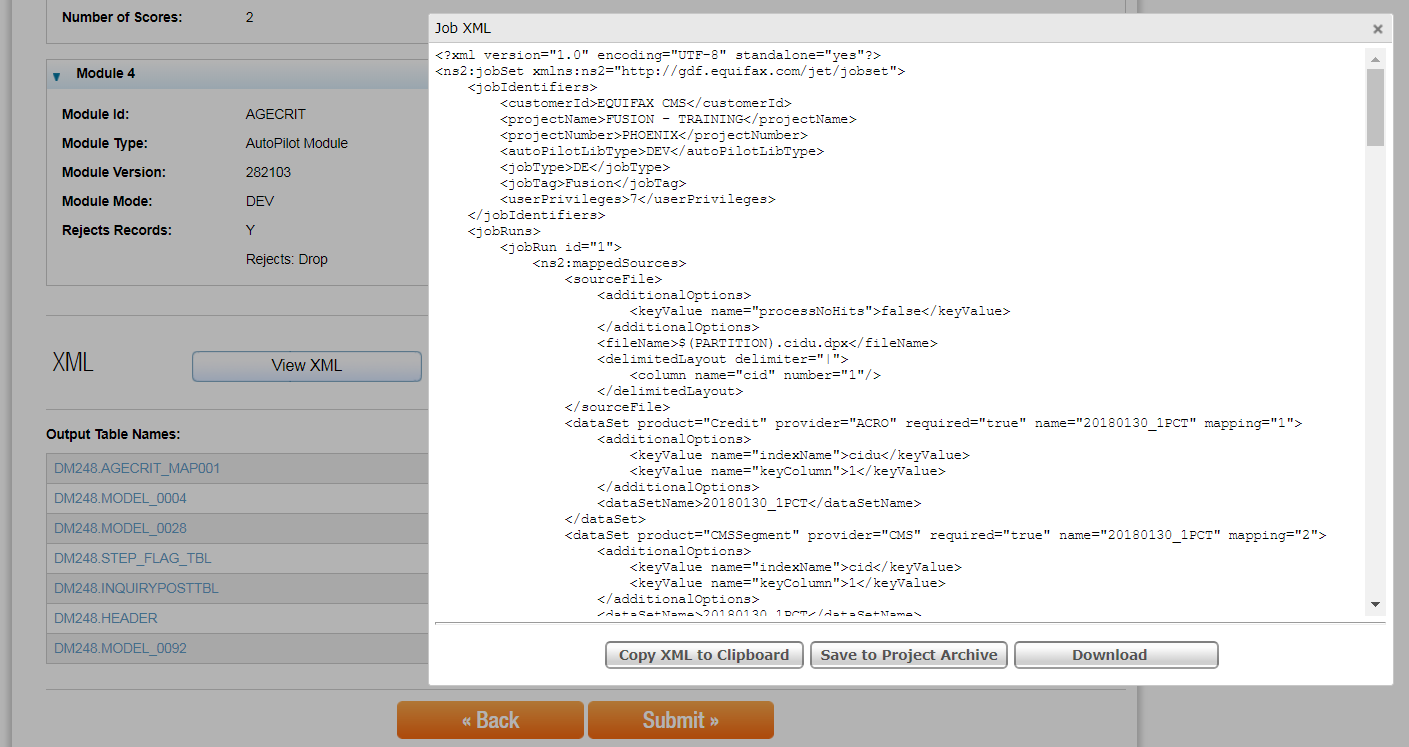
Summary page provides the summary of all the selections we made in the previous steps. The summary page has the provision to view the job XML created. This is passed to the JET for further operations





### 10.1 View XML

It contains all the details like the Job name, the credit data set needs to be used, the output tables etc. The XML is being used by the operations team for further processing.



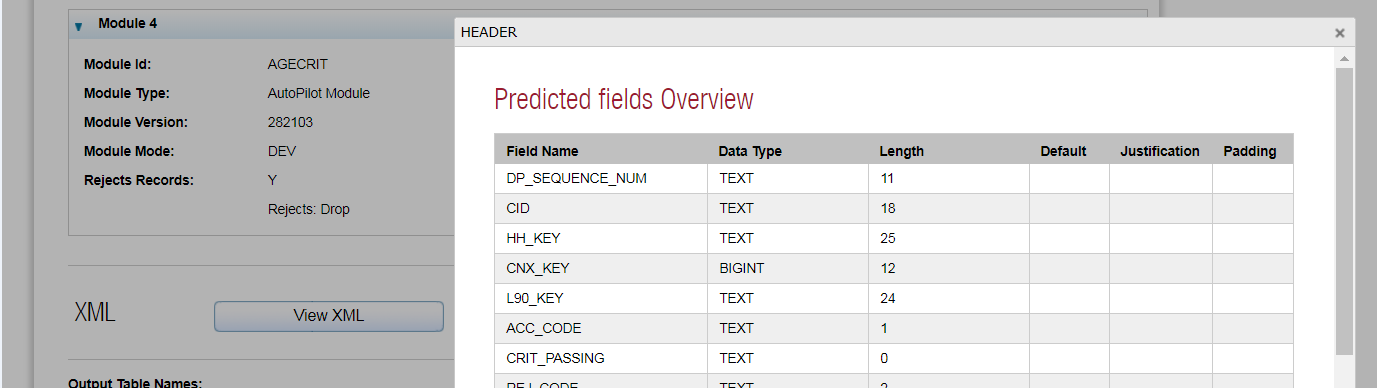
**Copy XML to Clipboard:** Clicking this will allow the user to copy the XML content to clipboard.

**Save to Project Archive:** Clicking this will save the file to the same location as the existing Save button. If we don't want to always overwrite the file and need to ensure we always have a unique name, suffix the <process name> with a unique number.

**Download:** Clicking this will invoke a download of the XML. The file will be saved according to the current browser settings i.e. if the browser is set to prompt the user for a location and filename, a file chooser will be displayed. Otherwise the file will be saved to the default location with the default filename.

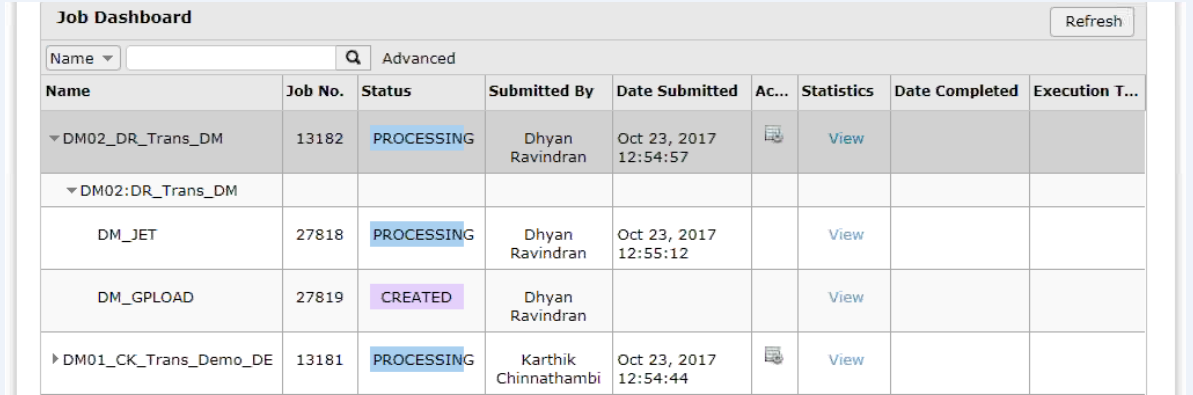
### 10.2 Predicted fields Overview

From the output table name a list of Predicted table can be viewed. On selected one of them List has Field Name, Data Types, Length, Default, Justification and Padding as a column that describes the field overview of Predicted Table.



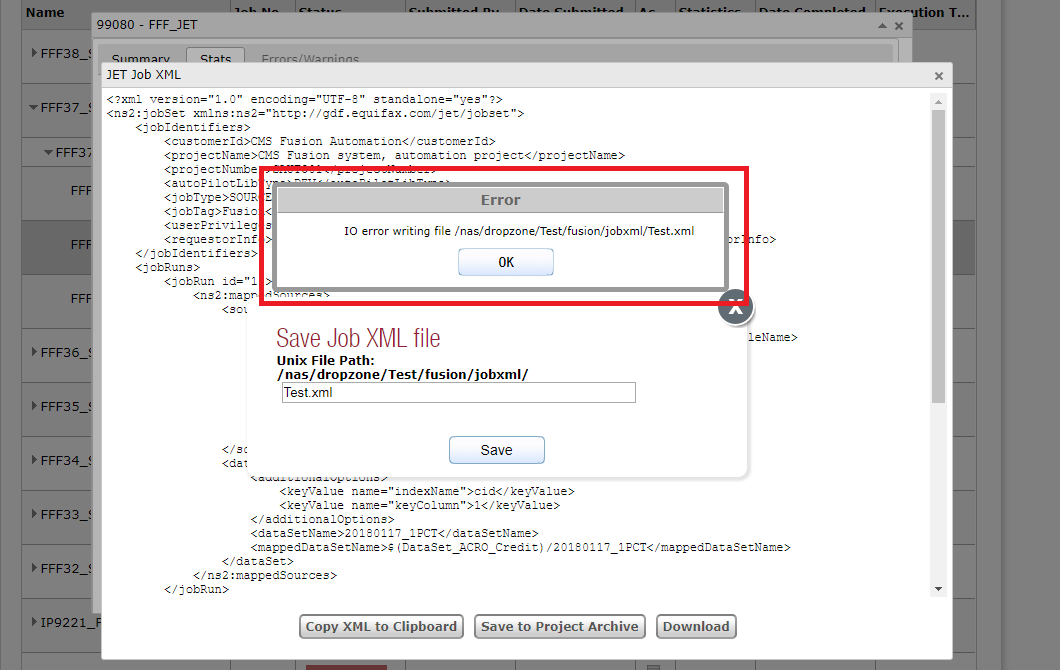
## View Status

The project status can be viewed from the home page.



### **11.1 Stats**

By clicking on the view button a popup dialog gets created having Summary, Stats and Error/Warning. User can View same Xml as in the summary page from here.



### **11.2** **Error/Warnings Stats**

If a predicted table that was to be loaded was not created because the artifact to be loaded did not exist, warning message displayed indicate that no accept records were written to the header table and the header table name or if job executes successfully, but header table contains 0 accepted records, a warning message indicates the table was not created due to zero records.

