CAPITA

oneeducation

One Analytics Release Notes

August 2018

Document Purpose

Revision History

Version	Published on
August 2018 - 1.0	03/09/2018

Contacting One Application Support

You can log a call with One Application Support via the Customer Service tool available on My Account.

Providing Feedback on Documentation

We always welcome comments and feedback on the quality of our documentation including online help files and handbooks. If you have any comments on any aspect of our documentation, please email:

onepublications@capita.co.uk

Please ensure that you include the document name, version and aspect of documentation on which you are commenting.

One Analytics Release Notes

Contents

Document Purpose

These release notes are provided to users to detail the enhancements and resolutions included with the One Analytics August 2018 release. Each release contains all fixes and enhancements issued since the previous release. Instructions for downloading the latest release installation media are also included.

Should you have any questions about the implementation, testing, or user impacts of the changes listed in this document, please contact:

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Upgrading the Software

Compatibility with Capita One

The One Analytics August 2018 release is designed to be compatible with the following versions of the Capita One system:

3.64

3.65

3.66

If you are running an older version of Capita One we recommend that you upgrade to at least the 3.64 release prior to installing this update.

Compatibility with Tableau

The One Analytics August 2018 release is designed to be compatible with Tableau 10.5.

If you have not upgraded the Tableau components of One Analytics to Tableau 10.5 (included as part of the March 2018 release), you must do so as part of this upgrade. The Tableau 10.5 download link and password are available from the One Analytics August 2018 My Account posting:

https://myaccount.capita-cs.co.uk/Notifications/one-education-one-analytics-march-2018-release/

Software Distribution

The One Analytics August 2018 release is available as a download only. Links to the self-extracting installation files are included below. One Co-ordinators will be emailed with the password to enable them to unzip the installation media.

The installation files for the One Analytics August 2018 release is available via the following link:

http://dl.capitasolus.co.uk/onedownloads/OA-2018-Aug.exe

Changes in the New Release

Updated Data Sources

The following data source has been updated in this release:

CSS Involvement & Comms Log

SEN, Provision & Comms Log

Provision & Comms Log

Activity & Comms Log

Changed Functionality:

Diagnostic Tool – Several 'Data Issues' have been updated to remove design constraints and allow more data to be imported

Information imported into One Analytics is validated to ensure data quality and consistency, but some logic that enforces validation has been known to restrict a high number of records from being imported.

The information reported out as a 'Data Issue' can only be imported if the data is corrected. This could be a large task to undertake depending on the type of data issue and the number of affected records.

Certain diagnostic rules and the error messages have now been updated. The 'Event' has also been reclassified appropriately so that data can be imported.

As noted above the 'Message' value has been updated in certain cases to provide more detail of the cause and effect to the data now being imported.

The table below documents the changes made and the affect this will have on the data when visualised.

Model & Affected Table	Previous 'Event' and 'Message' values	Change Applied	Impact to visualisations
Admissions Fact Application	Event: 'Data Issue' Message: 'No Appellant Information'	'Event and' 'Message' information updated as below. Event: 'Data Warning' Message: 'X Appeals have an invalid appellant, the 'Person ID' value does not exist in the People DB table. The appeal has been imported but appellant information will show as null.' Where 'X' represents the total number of affected appeal records.	When visualising Appellant information against admission appeals, if there are affected records the appellant information will be displayed as 'Null'. To resolve the issue a valid Appellant will need to be associated with the Admissions Appeal record within One Education.
Admissions Fact Application	Event: 'Data Issue' Message: 'Invalid appeal date'	'Event and' 'Message' information updated as below. Event: 'Data Warning' Message: 'X Appeals have an invalid Appeal Date, these have been imported with a Null Appeal Date value.' Where 'X' represents the total number of affected appeal records.	When visualising the number of appeals by year as an example, if there are affected records then they will be displayed against a 'Null' year value. To resolve the data issue the 'Appeal Date' value will need to be corrected against the Admissions Appeal record within One Education.

Early Years Early Years Provision Fact	Event: 'Data Issue' Message: 'No Person Detail'	'Event and' 'Message' information updated as below. Event: 'Data Warning' Message: 'X EYPP Checks have a Person Id against the EYPP claim that does not exist as a valid person, therefore has been imported as a null.' Where 'X' is the total number of affected EYPP records.	When visualising the person information for which the EYPP check was processed against, if there are affected records this information will be displayed as 'Null'. To resolve the data issue, update the person associated with the EYPP check within One Education.
Exclusion Exclusion Fact	Event: 'Data Issue' Message: 'Invalid person'	Diagnostic rule removed from 'Exclusion' fact table and applied to 'SupportOfficer' dimension as detail below. Event: 'Data Issue' Message: 'X Exclusions have a Support Officer id that does not exist as a valid person therefore has not been imported.' Where 'X' represent the total number of affect exclusion records.	Where support officer information is visualised, if there are affected records the information will be displayed as Null. To resolve the data issue, update the 'Support Officer' assigned to the exclusion record.
Core Student Dimension	Event: 'Data Issue' Message: 'Traveller family history information has duplicate record for student'	Where there is more than one Traveller History record found where the status value is 'T' the noted message, to the left, would be logged. The business logic has been updated to use the record with the most recent 'Start Date' value and therefore the information will no longer be classed duplicated.	More students within the Model will have the Traveller Family information populated within the Student dimension, the fields are noted below that are populated. • Traveller Now • Traveller Family • Status Code • Status Description

Resolved and Known Issues

Resolved Issues

Address not anonymised where a Student has been deleted from One Education, but not through the Archive & Delete routine

Where a student exists within One Education it will also have a person record, in the event where the Student record has been deleted and not the whole atomic person record this causes the address information within Case Management models not to be anonymised.

The following changes have been made to the models to ensure the information is appropriately anonymised.

1. A new 'Student' field has been added to the Provision, Activity and CSS \ SEN Models which will define whether the subject associated with the record was a student at the time of the record. The '**Student Validation**' table below defines the business logic to how the value is calculated for each model.

2. The business logic to populate the Address at time of Activity, Provision, SEN \ CSS involvement has been updated.

   Where the 'Student' value is 'True' (Student) the address information will only be referenced from the 'StudentAddressHistory' dimension, and when 'False' (Not Student) information is

reference from the 'PersonAddressHistory' dimension. The change will ensure the address information is now appropriately anonymised.

Student Validation business logic, data source folder location, field name and meta data

Model	Business Logic	DS Folder & Field Name	Meta Data
CSS Involvement & Comms Log	The Involvement Subject will be defined as 'Student' in the following scenarios. 1. Where the Involvement subject person record exists within the Student dimension and the 'Student Deleted' value is False. Or 2. The Involvement subject person record exists in Student dimension, 'Student Deleted' value is True and the involvement subject 'Start Date' is <= to the 'Date Student Deleted' value. Or 3. The Involvement subject person record exists in Student dimension, 'Student Deleted' value is True, and if involvement subject 'Start Date' is blank then Involvement 'Open Date' is <= to the 'Date Student Deleted' value. In all other scenarios the Involvement Subject will be defined as 'Not Student'.	DS Folder: 'Involvement – Subject – Detail (ISD)' Field Name: 'Student (ISD)'	Indicates whether the involvement subject is a student.
SEN, Provision & Comms Log	The same logic as noted above has been used to validate the 'Student' value.	DS Folder: 'Involvement – Subject – Detail (ISD)' Field Name: 'Student (ISD)' DS Folder: 'Provision – Subject – Detail' Field Name: 'Student'	Indicates whether the involvement subject is a student. Indicates whether the provision subject was a Student at the start of Provision.
Provision & Comms Log	The Provision Subject will be defined as 'Student' in the following scenarios. 1. Provision subject person record exists in the Student dimension and 'Student Deleted' value is False. Or 2. Provision subject person record exists in the Student dimension, 'Student Deleted' value is True and the Provision 'Start Date' is <= to the 'Date Student Deleted' value. In all other scenarios the Provision Subject will be defined as 'Not Student'.	DS Folder: 'Provision – Subject – Detail' Field Name: 'Student'	Indicates whether the provision subject was a Student at the start of Provision.

Activity & Comms Log	The Activity Linked Person will be defined as 'Student' in the following scenarios. 1. Activity linked person record exists in the Student dimension and 'Student Deleted' value is False. Or 2. Activity linked person record exists in the Student dimension, 'Student Deleted' value is True and the Activity 'Start Date' is <= to the 'Date Student Deleted' value. Or 3. Activity linked person record exists in the Student dimension, 'Student Deleted' value is True, if the Activity 'Start Date' is blank then 'Created Date and if this is also blank then the 'System Date' is <= to the 'Date Student Deleted' value. If the system date has been used to calculate the 'Student' value then Diagnostic Message detailed below is logged. **Event**: 'Data Warning' **Message**: 'X Activity records have the 'Start Date' as blank, system date used to calculate if Linked Person was a student at the time of the activity. Where 'X' is the total number of affected records.	DS Folder: Activity – Linked People – Detail' Field name: 'Student'	Indicates whether the activity person was a student at the start of Activity.

Import Tool (GIS Import) - Validation updated for field 'GIS Information Type'

When a 'GIS' import is processed through the 'Import Tool' it was possible for a value longer than 128 characters to be imported, and as a result the 'OA - GIS' ETL job would result in GIS data not being populated appropriately.

The affected column within the Data Warehouse has been corrected and will no longer allow a value longer than 128 characters to be imported.

Core (Student) – Unknown address updated as 'Null' when student is deleted from One Education

There is a business rule whereby if a Student has an invalid address associated with them this would be replaced by the 'OA Unknown Address' and a 'Data Warning' in the diagnostic log.

Where the Student is deleted from One Education, this information is incorrectly updated to be 'Null', the address should remain unchanged as the 'OA Unknown Address' value.

The affected business logic has been reviewed and updated to ensure the value is not changed where the Student record is deleted.

Case Management – Potential for inflation when producing visualisations

Within the 'Person' dimension there is field 'Has Student Record' and this was populated with one of two values 'Student Record Exists', where a student record exists within One Education and 'No Student Exists' where this is not the case.

When a student record is deleted from One Education the value would be updated incorrectly to 'No Student Records Exists', and this is having a negative impact on the 'PeopleAndStudentView' which is used in the Case Management Models.

The view should contain records where they are defined as a 'Person' or a 'Student' and not both, but because of the student record being deleted and the status value recorded in 'Has Student Record' being updated to 'No Student Exists' records are being duplicated.

As a result, when the record is counted within Case Management visualisations this could inflate the value presented.

The issue has been resolved by providing a new status value of '**Had Student Record'** and so records will no longer be duplicated in the 'PeopleAndStudentView' where the Student has been deleted from One Education.

Known Issues

CSS \ SEN – Potential for there to be multiple Caseworkers flagged as the 'Lead' caseworker

> *NOTE: The issue noted below was targeted to be resolved in the August release but due to the Address anonymisation issue requiring a number of changes, this defect has been retargeted for the September 2018 release.*

It has been found that in the scenario noted below, multiple 'Lead' Caseworkers could be associated with Involvements where this should not be the case.

An involvement is created and a 'Lead' Caseworker is assigned, this happens on the Monday, in the evening the 'ALL ETLs' job is scheduled and the involvement information in imported to the One Analytics Data Warehouse.

On Tuesday, it is established the wrong person has been associated with the involvement records as the 'Lead' caseworker. The record is deleted, and the correct caseworker added, again in the evening the 'All ETLs' processes and imports the information to the Data Warehouse.

As information is not deleted from the Data Warehouse so that data can be used for further analysis, the incorrect lead caseworker record is not removed, nor is the 'Lead Caseworker' set as false (there can only be one lead caseworker assigned to an involvement). This results in there being two leads associated with the Involvement record.

Problem PRB1841 has been raised for the issue identified and is currently under investigation, the plan is to resolve the business logic such that if the scenario above occurs the latest record imported would have the Lead case worker flag set.

To resolve existing data SQL scripts will be developed to ensure there is a single lead caseworker against existing records affected and will behave as described above.