BIE Assessment Data Mart

Last Modified on 10/22/2022 10:13 am CDT

Data Marts are stored collections of various student data records that districts and states use to federally report. Information stored in a data mart is uniquely collected by a snapshot and is a static copy of the original record. District-level and state-level users should follow the two-step validation and authentication process all data marts use to ensure the most accurate data is reported.

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The **BIE Assessment Data Mart** is a collection of student assessment data that was previously added to the student's assessment record in *Student Information > General*. Data collected and stored in this data mart can be reviewed in two ways:

1. Assessment Data Mart Report - information is reported in PDF or CSV format and must be generated individually for each school.
2. Assessment Report (Ad Hoc Reporting) - information for one to multiple schools displays on a pivot table where data can be analyzed using drill-down methods, sorting features, filter options and graphs to summarize the results.

> The BIE Assessment Data Mart tool is available in both BIE District Edition and BIE NASIS State Edition sites.

BIE Assessment Data Mart Editor

BIE Assessment Data Mart Logic

The following logic is used by the BIE Assessment Data Mart.

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Test Setup (Assessment) Requirements

Pathway: *Assessment > Test Setup*

Before any test data can be added to a student's assessment record (where it can then be later retrieved by the data mart), a test structure must be defined using the Test Setup tool. Test Setup controls what data elements should be collected from a test, how they will display on the student's assessment record, and if the assessment will be available to the BIE Assessment Data Mart. For the BIE Assessment Data Mart to successfully collect and report student assessment records, the following fields (at minimum) must be defined:

Refer to the Test Setup article for additional information and documentation about all of the Test Setup fields.

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Tool Rights

Tool rights must be assigned to use this tool.

To use this data mart, a user must have tool rights to the BIE Assessment Data Mart tool and it's validation/authentication sub-tools. Any user with **R**ead rights to the BIE Assessment Data Mart
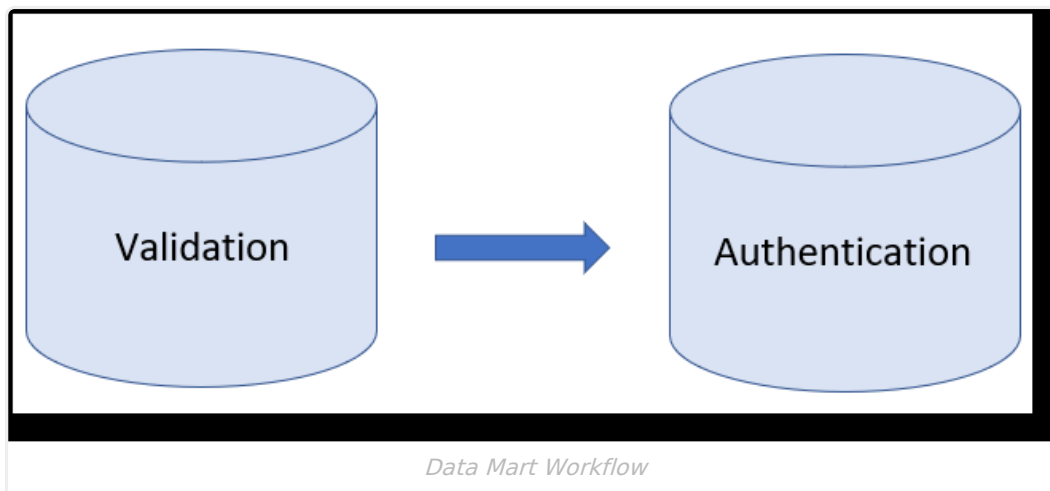
tool will receive a notification in their Process Alerts when either a snapshot or report has finished processing.

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Data Mart Workflow

Additional information regarding the process and workflow of a Data Mart can be viewed in the Data Mart Workflow article.

All Data Marts follow a two-step Validation and Authentication process. By following this process, student data can be reviewed and corrected before it is submitted on for federal reporting.

Data Mart Workflow

Generate a Snapshot

Snapshots are the student data collection method used by data marts to capture specific data points (first name/last name, gender, etc.) from various locations in Campus and build them into a data table. Student information captured by a snapshot is static and is not reflective of real-time changes. As changes are made to student information, a new snapshot must be generated to update the data mart.

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Notifications

Users with Read (R) access to the BIE Graduation Rate Data Mart tool will receive notifications in their Process Alerts when:

- *a snapshot has been submitted.* Only the user who submitted the snapshot will receive this notification. By clicking on the message link a small notifications report will display.
- *a snapshot (validation or authentication) has been submitted and has completed syncing.* To view the data captured by the completed snapshot, a report must be generated.
- *a report is available.* If a user selected Submit to Batch Queue to generate the report

(validation or authentication), a notification will display when it is ready to view. Click the message link to view the report. The report can also be retrieved from the data mart's Report tool.

- *an error has prevented a record from syncing to the state*. The DIS Sync error can be further reviewed in the Error Log under *System Administration > Data Interchange*.
  - Errors can not be corrected in the snapshot. If a correction is needed, it must be made in the location the data is entered. Generate a new snapshot to sync the corrected record.
  - If a record failed to sync, only that record is affected and will not prevent other records from syncing.

Notifications

Generate a Report

Generate a report for a specific school and school year to review or authenticate the student information captured by the snapshot. Only one school and school year may be selected at a time.

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BIE Assessment Data Mart Reported Fields

The following fields display in a generated report. If the report is generated in CSV format, all fields are included and display. Reports generated in PDF format restrict the reported fields to only include NASIS ID and the assessment information.

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