



Ed-Fi Cheat Sheet: Guide to Resolving PowerSchool Ed-Fi Data-Publishing Errors

DEFINING ERRORS AND DEPENDENCIES IN ED-FI DATA PUBLISHING

“Errors” in Ed-Fi data publishing are an indication of records that were published and rejected by the Ed-Fi API due to data quality or other issues.

“Dependencies” are an indication of records that cannot be published until some other valid resource or element has been published.

If an error is detected in data publishing from PowerSchool to the district Ed-Fi ODS, the district PowerSchool administrator will need to investigate the error to determine if it is a data quality issue. If the error is caused by a data quality issue, that issue will need to be resolved, and the PowerSchool administrator will need to republish the record(s) in question (either by publishing the entire category in the PowerSchool data-publishing dashboard or by publishing records individually where possible).

Dependencies may be more challenging to diagnose, but in the case of data quality issues, they typically point to a record higher up in the data-publishing hierarchy that has errored. In the case of a dependency, the best course of action is typically to achieve error-resolution in previous data-publishing categories (i.e. rows/categories that appear higher up in the PowerSchool data-publishing dashboard).

ERROR DIAGNOSIS AND RESOLUTION EXAMPLES

The following are some data quality errors that districts have encountered and been able to resolve to achieve successful data publishing. For more information specifically on error codes (i.e. API Response Codes) please see our [Ed-Fi Cheat Sheet: API Response Codes](#) document.

Note: Please help us build out this list of examples for PowerSchool administrators, such as yourself, across the state by sharing with us through this [“Ed-Fi Data-Publishing Errors Resolved”](#) form the data quality errors you have encountered and been able to resolve!

Example	Category	Error Code	Error Message	Cause and Resolution
Example 1	Organization Info	409	The error message included language about a trailing space in a data element, and the Ed-Fi “Programs” resource was mentioned.	Since the error seemingly had to do with “Programs,” the administrator checked for extra spaces in the Special Programs program names. There was an extra space at the end of the name of a program (Start Page > Special Programs). The space was removed, and the record was successfully republished.
Example 2	Organization Schedules	409	“The value supplied for the related ‘courseoffering’ resource does not exist.”	The PowerSchool administrator could see the course number associated with the error and used the first four digits from that number to check against the list



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				<p>of courses downloaded from the ODS. This check was necessary to see if this course was a legitimate course (meaning a course that exists in the Ed-Fi ODS, which includes all valid courses). The PowerSchool administrator found that this course was not in the ODS and therefore reached out to the appropriate district contact persons to correct the issue.</p> <p>Once the issue was corrected (and thus a valid course code used), the data were republished successfully.</p>
Example 3	Staff Demographics	409	In this case, the message had been purged, but the PowerSchool administrator could see which staff member the error was associated with and investigated even without republishing to get the error message to reappear.	The PowerSchool administrator discovered that the staff member's date of birth on the PowerSchool Information page (Start Page > Staff> Select A Staff Member > Information) was not within a logical range. The date was corrected, and the record was republished successfully.