**Here are the requirements for the automation:**

* Compare the prior and current importBudgetActivity.zip files used in the BPS integration.
* The original files should not be modified during this process.
* The user will be prompted to provide three file paths: the source path for the current week's integration file, the source path for the prior week's integration file, and the target folder for the resulting Excel report file.
* Identify tasks that have a different parent in the current file compared to the prior week's file.
* Only tasks with parent values starting with "fl\_", "p\_", or "t\_" should be included in the analysis.
* For example, if a task had the same parent values in both files, it should be disregarded. Only tasks with changed parent values should be considered.
* Generate a report in Excel format that shows the task number and the parent from which it needs to be deleted for each instance where the parent task has changed between the two integration files.
* The report should be sorted by task number and file date.
* The report should include the date of the file, the task number, the parent value, and a "To Delete" flag indicating whether the task needs to be deleted from the parent.
* If no parent value changes are found in the analysis, the report should display the message "No parent value changes found."

**Important rules to consider:**

Note that the analysis should only include parent values starting with p\_, t\_ or fl\_. So the parent value in either “Current Parent” or “Prior Parent” should always start with those values. Both of the “Current Parent” values in the sample below (from the file you provided) should not be in the analysis at all.

When we’re looking for parent changes, we’re only looking for parent changes within the same alternate hierarchy. So we wouldn’t expect to see data like what is shown below where the current and prior parent values are from different hierarchies. The current and prior parents would both start with the same alternate hierarchy designator of p\_ , fl\_ or t\_). If the Current Parent starts with fl\_, for example, the Prior Parent value would also start with fl\_.

This  may be a constraint of the coding, but for the dates, I would like to see the date on the prior parent and date on the current parent so there would be two different rows with different dates, and only the older date would have a “True” under “To Delete”. If this is not possible, or even if it’s just very time consuming to code, what you have here is perfectly fine. But if somewhere in the output file could display what the current and prior file dates are, that would be helpful for reference. See the requirements doc for an example of the “ideal” output report.