How-To: Undoing a Versioning ETL job with Line-Item Details (LIDs)

Olalekan Adebayo
Updated 4 months ago

Why use this feature?

When we mistakenly run an unintended versioning job, it is important that we undo it properly to avoid having duplicate or stale data in the cube since versioning involves the creation of new ETL jobs.

Before you begin

You will need at least **Modeler** access to follow the steps in this article

The clear slice columns in the configuration will be based on the "Page Filter" parameters used in the versioning job and then the destination parameter.

> **Warning**
>
> Be careful when using Clear Slices. Versioning jobs create new intersections, and we need a way to delete those newly created intersections when we want to undo the job by using a historical export.

Table of contents

- Undo a Versioning ETL job with *Link to originals* Selected

- Undo a Versioning ETL job with *Make Separate Copies* Selected
- Notes

How to

Undo a Versioning ETL job with *Link to originals* Selected

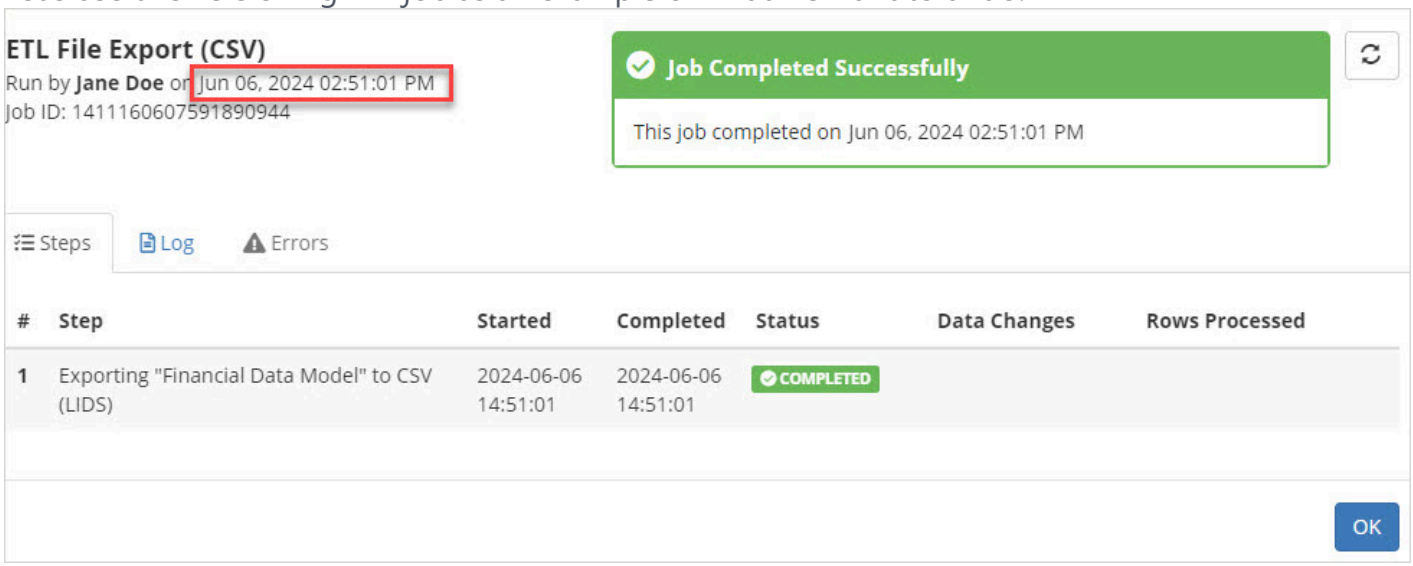
This is the same as undoing a versioning ETL job with *No Line-Items* deleted. This is because we only want to delete these newly created intersections but not the Line-Item Details they are linked to. When you delete or update Line-Item Details that are linked to multiple intersections, all the linked intersections will be affected.

To undo a versioning ETL job with *Link to originals* selected, please visit this article.

Undo a Versioning ETL Job with *Make Separate Copies* Selected

Step 1: Export LIDs for parameters before Versioning

Let's use this versioning ETL job as an example of what we want to undo.

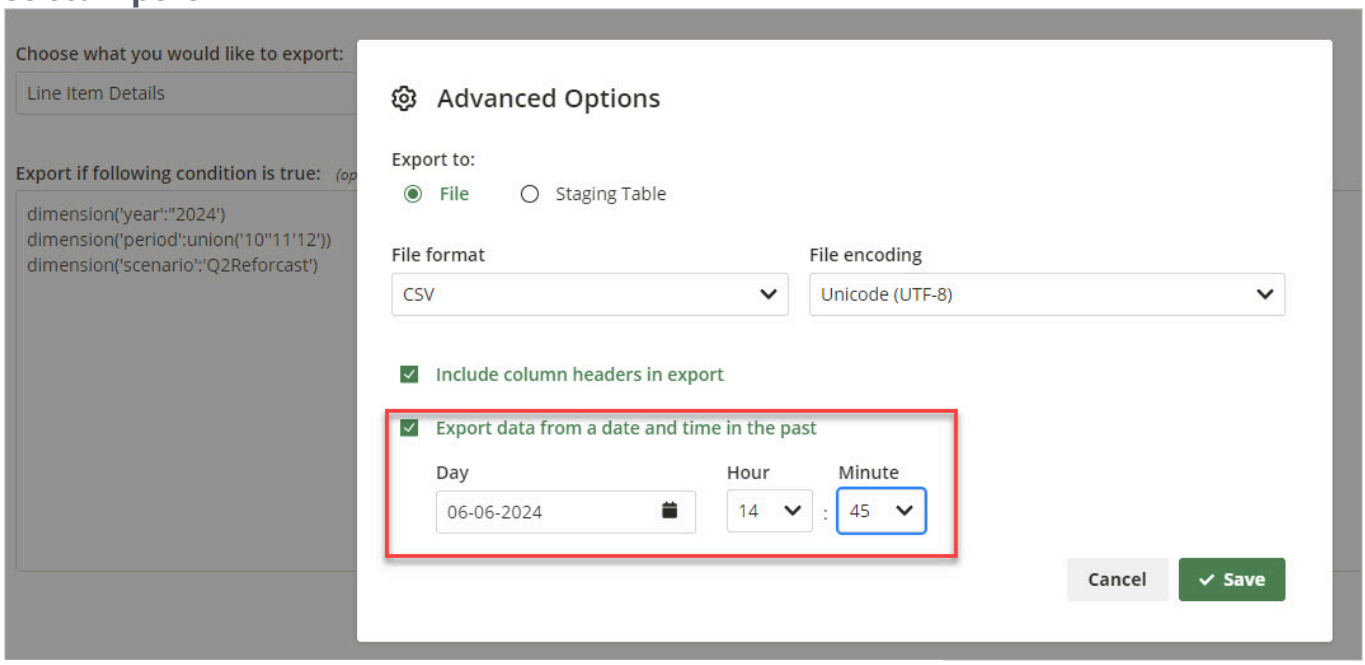


Filter: Year = 2024 and Periods = 10, 11, 12
From: Reforecast
To: Q2 Reforecast

Use the dimensions in the page filter (the year 2024, periods 10, 11, 12) and the destination (scenario Q2 Reforecast) to build an MQL query for your ETL export. This export will be for Line-Item Details. We will also pick a time before the versioning job was run.

1. Select the same date but five minutes before you ran the ETL job.

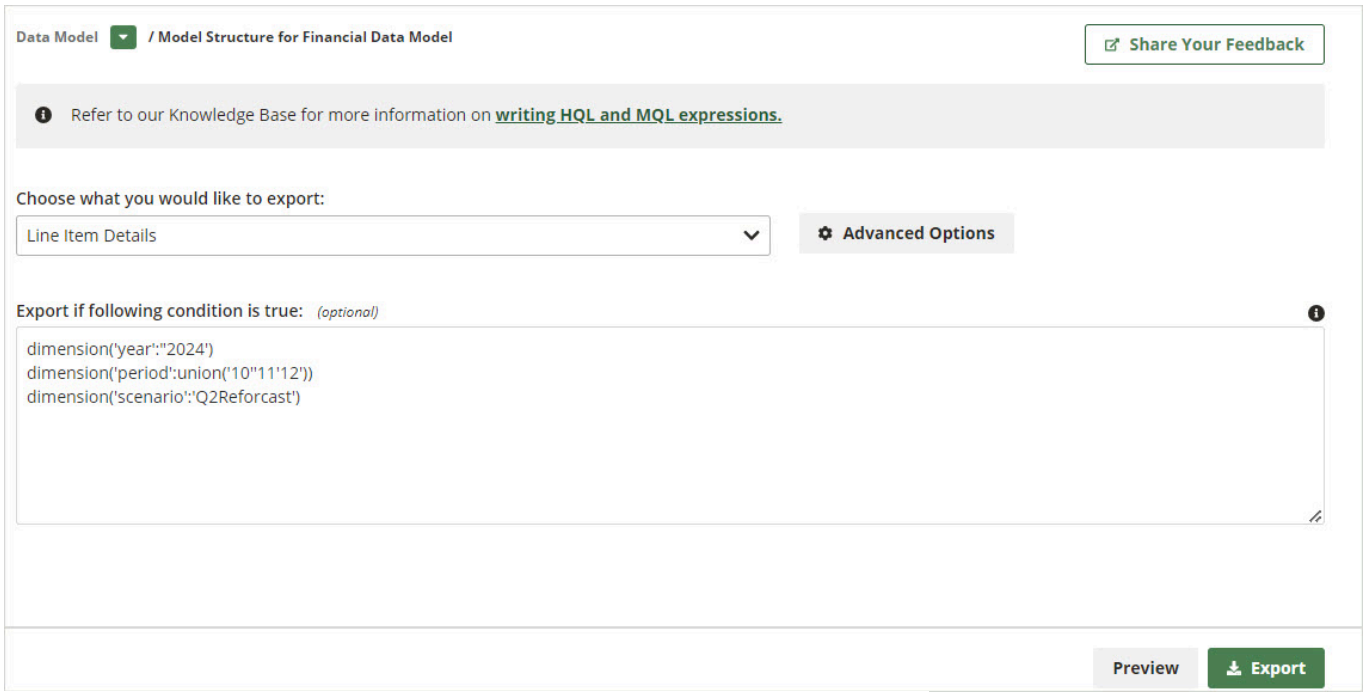
2. Select **Export**



3. Save this file as All-LIDs-For-This-Parameter-Before-Versioning.csv.

Step 2: Export LIDs for parameters after Versioning

1. Perform another ETL export of LIDs with the same query but this time will be the live data and not the historical data.



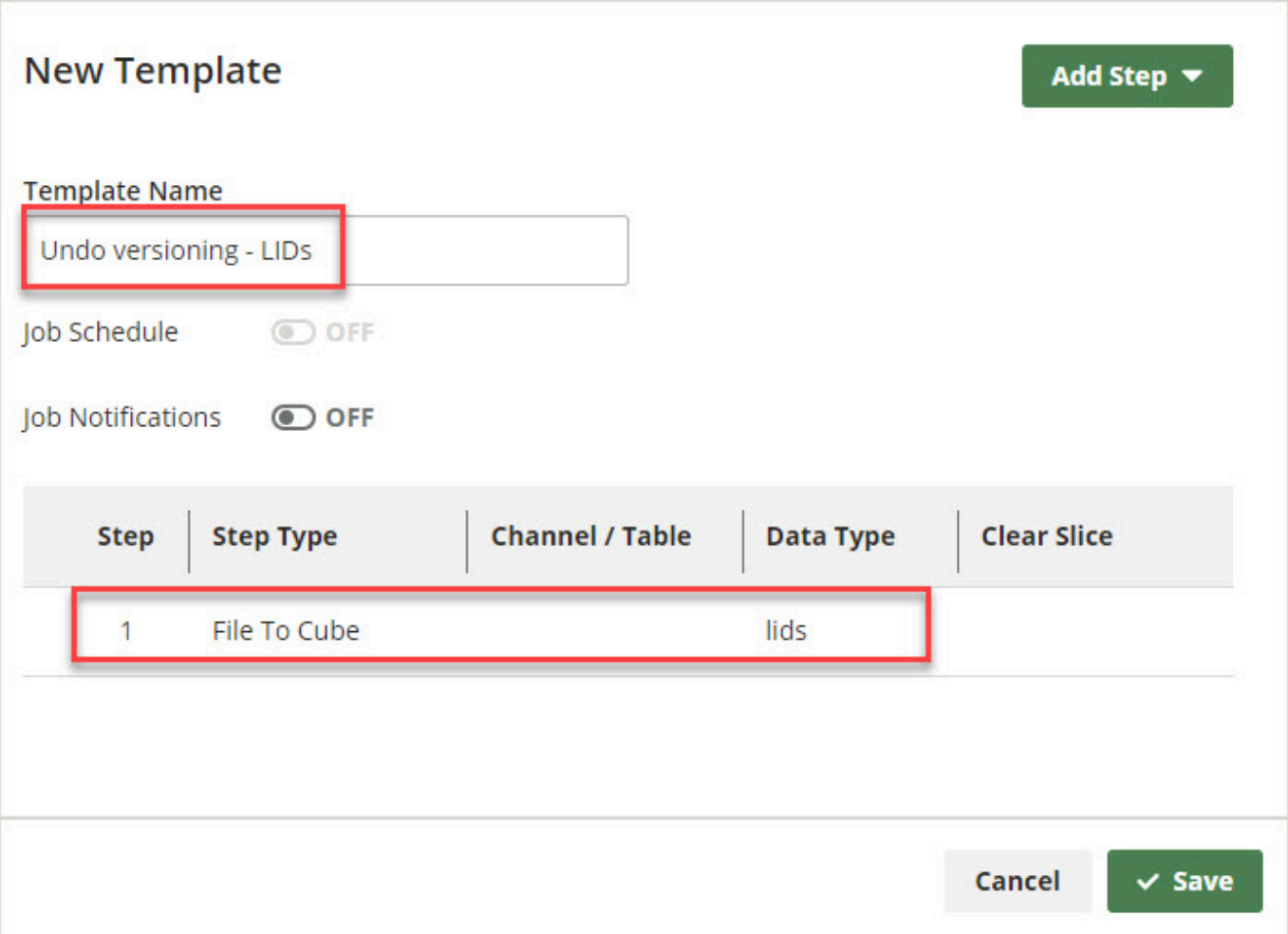
2. Save this file as All-LIDs-For-This-Parameter-After-Versioning.csv.
3. Open the exported CSV file from Step 2 in Notepad++ or Excel. If you use Excel, be careful that the leading 0s for dimension members are not removed.
4. Change the values in the "_cmd" column from + (plus) to - (minus) since we are trying to delete those LIDs.
5. Save the CSV file.

Note

Do not make any changes to the CSV file (All-LIDs-For-This-Parameter-Before-Versioning.csv) from Step 1.

Step 3: Create a File to Cube ETL job

1. Create a File to Cube ETL job that will be used to reload the LID CSV files back into the cube.
2. Set the data type for this ETL job to **Line-Item Details**.



3. Upload the CSV file *All-LIDs-For-This-Parameter-After-Versioning.csv* with the ETL job created above. This will delete all the current LIDs for these intersections. Confirm that these LIDs were in fact deleted before going to the next step.
4. Upload the CSV file *All-LIDs-For-This-Parameter-Before-Versioning.csv* with the same ETL job created above. This will re-add all the LIDs that were in the cube before the versioning job for these intersections.
5. We have now successfully deleted the new LIDs that were created by the versioning job and re-added LIDs that were in the cube before the versioning job. Verify this by doing an ETL export of LIDs to confirm.
6. Now that we have successfully deleted those LIDs linked to the newly created intersections by the versioning ETL job, we want to undo a versioning job without LIDs. Learn more about undoing a versioning job without Line-Item Details in this article.

7. Check your reports and data to confirm that everything looks good.

Notes

- These steps should only be used to undo versioning ETL jobs where *No Line Items* was selected.
- Clear Slice can cause data deletion. It is important that be cautious when doing this.
- When doing a versioning job with *Make Separate Copies* selected, it is important to follow the steps in the order outlined.