

# How-To: Undo a Versioning ETL Job Without Line-Item Details



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Avoid duplicate versioning jobs without Line-Item Details by **undoing** them.

## 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.

The screenshot shows the 'Versioning Configuration' screen. At the top, there is a 'Saved Configurations' dropdown. Below it, a 'Name' field contains the placeholder 'Name your configuration'. Underneath, there is a section titled 'Filter Dimension by Members' with a dropdown arrow icon. To the right, there are 'Copy From' and 'Copy To' sections. In the bottom left, a large red box highlights the 'Copy Line Item Details' dropdown. This dropdown has a 'No Line Item Details' option selected. To the right of the dropdown, there is a checkbox for 'Version Parent Members' with an information icon. Below these, there are two checkboxes: 'Clear all destination intersection values before copying' and 'Run Calcs', both with information icons. At the very bottom, there are 'Save' and 'Run' buttons.

## Before you begin

You must have at least **Modeler** access to follow the steps in this article.

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## How to

### Undo a Versioning ETL job

We'll use this example as the data in this guide--follow along with your own data.

image001.png

**VERSIONING Filter:** [2022, 10, 11, 12] From: [Reforecast] To: [Q2 Reforecast]  
Run by [REDACTED] on Jan 17, 2022 04:12:50 AM  
Job ID: 1095...1284406272

**Job Completed Successfully**  
This job completed on Jan 17, 2022 04:12:54 AM.

#	Step	Started	Completed	Status	Data Changes	Rows Processed
1	Copying values	2022-01-17 04:12:50	2022-01-17 04:12:54	COMPLETED	54 + 20 - 1116 ↕	1183

**Filter = Year 2022 and Periods 10, 11, 12**

**From: Reforecast**

**To: Q2 Reforecast**

1. Use the dimensions in the page filter (the year 2022 and periods 10, 11 and 12) and the destination (scenario Q2 Reforecast) to build an MQL query for your ETL export.
2. Navigate to **Data Modeler > Export** and set the **Manual Query** toggle to **ON**.

Vena Manager Tasks Modeler Insights Reports Admin

Members Data Model / Model Structure for P. Project Planning

Refer to our Knowledge Base for more information on [writing HQL and MQL expressions](#).

Choose what you would like to export:  
Values Advanced Options

Export if following condition is true: (optional)

Manual Query  ON

3. Build an MQL query for your export under **Export if following condition is true**. Use the dimensions in the page filter (the year 2022 and periods 10, 11 and 12) and the destination (scenario Q2 Reforecast).

### Note

We are only using the destination dimension in addition to the page filter for the query since that is what we want to restore. We are not using the source dimension.

```
1 Sample Query:  
2 dimension('year':'2022')  
3 dimension('period':union('10' '11' '12'))  
4 dimension('scenario':'Q2 Reforecast')
```

#### Export if following condition is true: *(optional)*

```
dimension('year':'2021')  
dimension('period':union('10' '11' '12'))  
dimension('scenario':union('10' '11' '12'))
```

#### 4. Select Advanced Options.

The screenshot shows the 'Data Model' interface with a breadcrumb trail: Data Model / Model Structure for P. Project Planning. A note at the top says: 'Refer to our Knowledge Base for more information on [writing HQL and MQL expressions](#).'. Below it, a dropdown menu says 'Choose what you would like to export: Values' and a 'Advanced Options' button is highlighted with a red box. Under 'Export if following condition is true: (optional)', there is sample MQL code:

```
dimension('year':'2021')
dimension('period':union('10' '11' '12'))
dimension('scenario':union('10' '11' '12'))
```

5. Check the box next to **Export data from a date and time in the past**, then enter the date and time. Choose a time before the versioning job was run. Since the versioning job ran at 4:12 AM, we will export data from 4:10 AM. Then select **Save**.

The screenshot shows the 'Advanced Options' dialog box. It has a title 'Advanced Options' with a gear icon. Under 'Export to:', 'File' is selected. In the 'File format' section, 'CSV' is selected. In the 'File encoding' section, 'Unicode (UTF-8)' is selected. There are several checkboxes:
 

- Include calculated members, parent member totals, and read calcs ⓘ
- Include column headers in export
- Include named dimensions in header
- Include external IDs column

 A large red box highlights the 'Include column headers in export' and 'Include named dimensions in header' checkboxes. Another red box highlights the 'Export data from a date and time in the past' checkbox, which is checked. Below it, a form allows setting the date and time:
 

Day	Hour	Minute
01-17-2022	04	: 10

 At the bottom right, there are 'Cancel' and 'Save' buttons, with the 'Save' button highlighted with a red box.

## 6. Select Export.

The screenshot shows the 'Data Model' section of the Vena Solutions interface. At the top, it says 'Data Model / Model Structure for P. Project Planning'. Below that is a note: 'Refer to our Knowledge Base for more information on [writing HQL and MQL expressions](#)'. Under 'Choose what you would like to export:', there's a dropdown set to 'Values' and a link to 'Advanced Options'. To the right, a 'Manual Query' toggle is turned 'ON'. In the 'Export if following condition is true: (optional)' field, there is HQL code: 'dimension('year':'2021')', 'dimension('period':union('10' '11' '12'))', and 'dimension('scenario':union('10' '11' '12'))'. At the bottom right, there are 'Preview' and 'Export' buttons, with the 'Export' button being highlighted by a red box.

7. Navigate to **Data Modeler > ETL Templates** and create a **File to Cube ETL job** to reload the data back into the cube.

### Note

This ETL job must have a Clear Slice configuration. The columns will correspond to the dimensions used in the page filter and the destination of the versioning parameters. The Clear Slice will ensure the historical data is restored and any newly created intersection as a result of that versioning job is also deleted.

[Learn more about using Clear Slices to clear intersections during an ETL load.](#)

For this example, the clear slice will be Year, Period and Scenario. This will differ based on the versioning job you are working with.

New Template

Add Step ▾

Template Name  
Name your template

Job Schedule OFF

Job Notifications OFF

Step	Step Type	Channel / Table	Data Type	Clear Slice
1	File To Cube			

Data Type  
Values

Slices to clear by dimension (optional)  
Year X Period X Scenario X - Type or select a dimension -

Department

Measure

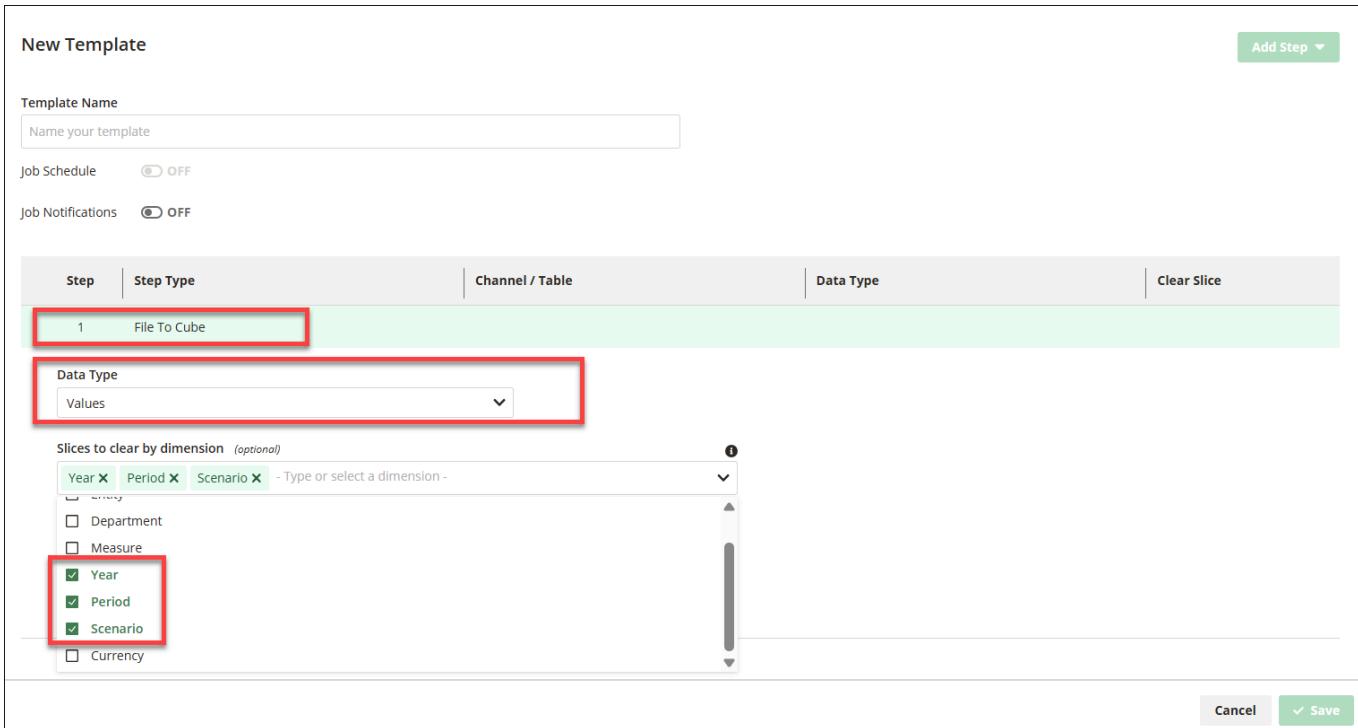
Year

Period

Scenario

Currency

Cancel Save



8. Once the job is complete, the versioning ETL job has been undone or reverted.
9. Check your reports and data to confirm everything is correct.

## Notes & best practices

- This should only be used to undo versioning ETL jobs where *No Line-Item Details* were selected.
- Clear Slices delete data (mostly old data), so be cautious that you aren't deleting something you don't want to.
- Versioning jobs create new intersections, which must be deleted when you want to use a historical export to undo the job, so be cautious when using Clear Slices.