

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.

Versioning Configuration

Saved Configurations

Name

Name your configuration

Filter Dimension by Members

Copy From

Copy To

Copy Line Item Details

No Line Item Details

Version Parent Members

Clear all destination intersection values before copying

Run Calcs

Save

Run

Before you begin

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

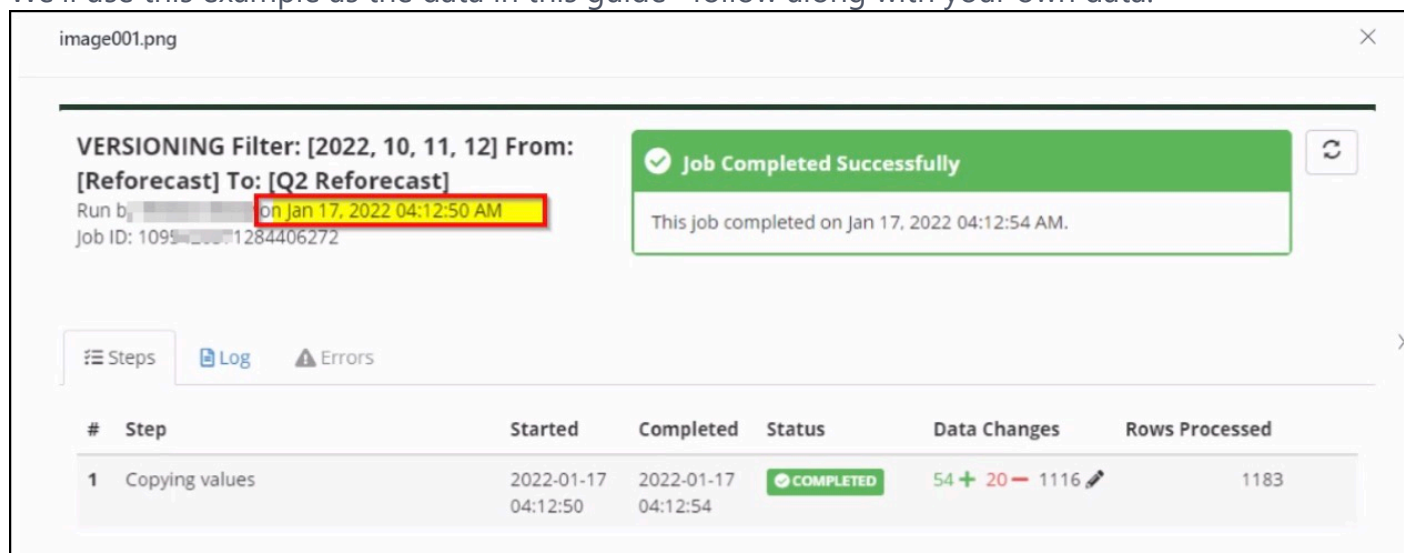
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How to

Undo a Versioning ETL job

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



The screenshot shows a job completion window titled 'image001.png'. It displays the following information:

- VERSIONING Filter:** [2022, 10, 11, 12] From: [Reforecast] To: [Q2 Reforecast]
- Run by:** [redacted] on Jan 17, 2022 04:12:50 AM (highlighted with a red box)
- Job ID:** 1095...1284406272
- Job Completed Successfully** (green banner)
- This job completed on** Jan 17, 2022 04:12:54 AM.
- Steps:** Log, Errors
- Table:**

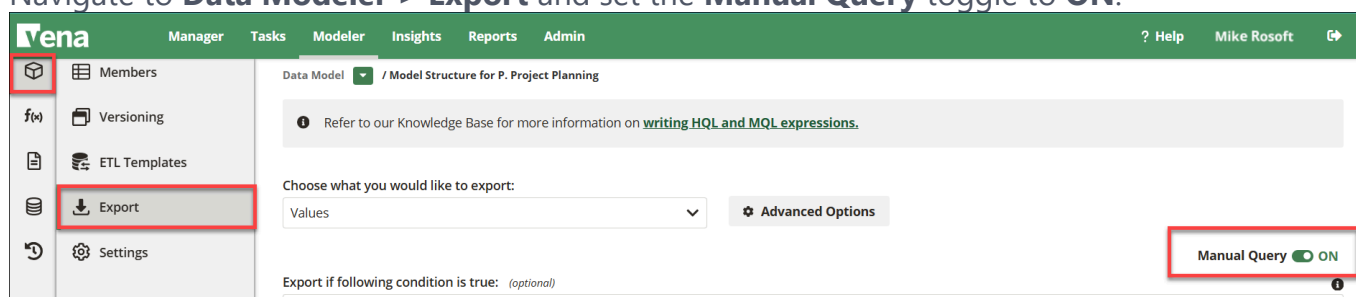
#	Step	Started	Completed	Status	Data Changes	Rows Processed
1	Copying values	2022-01-17 04:12:50	2022-01-17 04:12:54	COMPLETED	54 + 20 - 1116	1183

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**.



The screenshot shows the Vena Data Modeler interface. The left sidebar has a red box around the 'Export' option. The main area shows the 'Export' configuration page with the following elements:

- Choose what you would like to export:** Values (dropdown menu)
- Advanced Options** (toggle)
- Export if following condition is true:** (optional)
- Manual Query** toggle is set to **ON** (highlighted with a red box)

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**.

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)*


```
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**.


 **Advanced Options**

Export to:

☒ **File** ☐ Staging Table

File format 

File encoding 


☐ Include calculated members, parent member totals, and read calcs 



☒ **Include column headers in export**


☒ **Include named dimensions in header**

☐ Include external IDs column


☒ **Export data from a date and time in the past**


Day 

Hour  : Minute 



Cancel  **Save**


6. Select **Export**.

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

Manual Query  ON

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

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



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

Job Schedule ☐ OFF

Job Notifications ☐ OFF

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

Data Type

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.