

# How-To: Data Model Series (Part 4): ETL Tool



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## About this series

This series is all about **how to build and use Data Models**. You are in **Part 4**, which provides links to supporting articles on the Vena ETL Tool.

This series was designed to be read in order. If you don't have any previous experience with the Data Model tool, we recommend that you follow this approach, starting with Part 1. But if you are already familiar with Vena Data Models and are just looking for a refresher, you can also feel free to dip in anywhere within this series.

**Part 1:** [Building a Data Model](#)

**Part 2:** [Hierarchies and Roll-ups](#)

**Part 3:** [Attributes and Versioning](#)

**Part 4:** ETL Tool - **you are here**

## Overview

Below you'll find a list of suggested articles to help you learn more about the Vena ETL tool and how it interacts with your data models. The articles are organized by topic to help you find exactly what you need.

## Suggested Topics

## ETL Guide

The ETL guide provides a comprehensive introduction to Vena's ETL functionality. Here you'll learn about Vena's [in-app ETL](#) feature and the [Command Line ETL](#) tool. You'll also learn about how [query languages](#) are used in the ETL, how to transform data via the [SQL staging](#) environment, and how to set up [staging data](#).

- [Part 1 - Overview](#)
- [Part 2 - Vena.io ETL](#)
- [Part 3 - Command Line ETL](#)
- [Part 4 - Query Languages](#)
- [Part 5 - SQL Staging Environment](#)
- [Part 6 - Using Staging Data](#)

## General

The articles listed below provide insight into how to use the ETL tool for a variety of use cases.

- [Explainer: ETL Export Feature Updates](#)
- [Reference: Export Intersections and Line-Item Details](#)
- [Reference: Exporting Data From Multiple Members Within the Same Dimension](#)
- [Reference: Exporting Hierarchies in Vena Using HQL](#)
- [Reference: Writing Expressions \(MQL & HQL\)](#)
- [How -To: Create and Manage a Data Model Hierarchy using ETL Import](#)
- [Overview: Export Intersections and Line-Item Details](#)
- [How-To: Use Clear Slices to Clear Intersections during an ETL Load](#)
- [How-To: Export a .csv File for an ETL Job](#)
- [How-To: Automatically Schedule an ETL Job to Run at a Specific Time](#)
- [How-To: Automatically Running ETL Templates on a Schedule](#)
- [How-To: Exporting Subset of Data From Your Data Model or Cube](#)
- [How-To: Setting up Email Notifications for ETL Jobs](#)

## Troubleshooting

Having trouble figuring something out in the ETL tool? Check out our troubleshooting articles for help resolving a specific challenge.

- [Troubleshooting: Cancel an ETL Job via the ETL Command-Line Tool](#)
- [Troubleshooting: Command Line Tool - Access Denied](#)
- [Troubleshooting: ETL Data Load With Bulk Insert Option Does Not Import Commas \(,\) Correctly](#)
- [Troubleshooting: ETL Error Guide](#)
- [Troubleshooting: ETL Load Produces "Invalid Char Between Encapsulated Token and Delimiter" Error](#)
- [Troubleshooting: java.lang.OutOfMemoryError: Java Heap Space During ETL Load](#)
- [Troubleshooting: Job Error When Loading LIDS: Bulk Write Operation Error on Server](#)
- [Troubleshooting: No Data After Successful ETL Import](#)
- [Troubleshooting: Upload Via ETL Tool Causes Out of Memory Exception](#)

- [Troubleshooting: Validation Failed for Classes - May Not Be Empty](#)
- [Troubleshooting: No Intersections Updated When Importing a File Using ETL Command Line or Power Automate](#)

**[View a list of ETL Job Troubleshooting articles here.](#)**

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1 out of 3 found this helpful

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