Upgrade Guide — from v2.2.0+ to v3.0.0

MyGeotab API Adapter

Upgrade Guide: from v3.12.0 to v3.13.0

Latest Update: 2025-11-03

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IMPORTANT: Version 3.x - Data Model 2 (DM2)

! IMPORTANT: As of version 3.0, the MyGeotab API Adapter solution has migrated to a **new data model**. The **original data model and the Data Optimizer have been deprecated** and will be removed from the solution after **December 31, 2025**. This provides a reasonable period for integrators to modify any integrations that need to be migrated to the new data model.

More information can be found in: MyGeotab API Adapter — Solution and Implementation Guide [PUBLIC]

- For more details see the IMPORTANT: Version 3.x - Data Model 2 (DM2) section.
- Details specific to the Data Optimizer are included in the Data Optimizer Deprecated (Capabilities Moved to Core API Adapter in Version 3.x) section.

Introduction

Starting with version 3.0.0, the MyGeotab API Adapter includes a new data model - Data Model 2 (DM2). As noted in the previous section and detailed in the referenced documentation, the solution will support DM2 as well as the original data model until **December 31, 2025** when the original data model is deprecated. The way it works is that the single API Adapter application works with both data models and is configured to use one or the other. To make things more clear, upgrade instructions will be separated based on the data model being used starting with this upgrade guide and moving forward.

Upgrading to v3.13.0 with Data Model 2 (DM2)

WARNING! The upgrade instructions provided in this document only apply to MyGeotab API Adapter version 3.12.0.

If upgrading **from an earlier version**, after downloading the latest application executable package(s), it is necessary to **FIRST** follow the instructions and any associated guides in the Change Log for each successive version up to and including v3.12.0 and **THEN** follow the instructions below.

Fully-detailed instructions for deploying the MyGeotab API Adapter solution to a **new environment** are provided in the MyGeotab API Adapter DM2 — Solution and Implementation Guide [PUBLIC] (see the Deploying the MyGeotab API Adapter section).

To upgrade an **existing environment** in which version **3.12.0** of the MyGeotab API Adapter is already deployed, follow the steps in the sections below.

1 Download

Download the application and database scripts following the Download instructions in the guide.

2 Stop Application

Stop the MyGeotab API Adapter if it is running.

3 Backup Configuration Files

Backup the existing appsettings.json and nlog.config files (to keep track of the existing setting values).

4 Upgrade Adapter Database

> **WARNING!** The database upgrade instructions/scripts detailed below will not alter or delete any existing data, but there is an assumption that the database structure has not changed from that which was created by the original script(s) leading up to and including version 3.12.0. If any customizations have been made, it may be necessary to modify the script(s) accordingly.

This step is essentially Step 6: [IF APPLICABLE] Modify and Execute Database Upgrade Script(s) in the guide.

PostgreSQL

If using the PostgreSQL version of the adapter database, execute the script named "**PG_3.13.0.0_DVIRLogManipulator_TripMergeFix_PartitionFirst.sql**" against the adapter database. This script can be found in the *PostgreSQL\v2* folder after extracting the *PostgreSQL.zip* file that should have been downloaded.

> **! IMPORTANT**: After running the PostgreSQL database upgrade script, it is necessary to **execute the database partitioning function again** (see Step 7: Determine Data Collection Start Date and Execute spManagePartitions Function in the guide) - using the **same MinDateTimeUTC value** that was used when setting-up the adapter database.
>
> Failing to do this will result in the MyGeotab API Adapter crashing and its log file containing error detail similar to the following:
>
> ```
> None
> TYPE: [PostgresException];
> MESSAGE [23514: no partition of relation ""ChargeEvent2"" found for row
> ```
>
> If such an error is encountered, re-execute the database partitioning function as described above and restart the API Adapter.

Re-Extract Trips Data if Necessary

In version 3.13.0, the spMerge_stg_Trips2 PostgreSQL function was fixed to include the missing **Distance** column in the SQL statement that updates records in the Trips2 table. Prior to this fix, when updates for on-going trips

were collected live (i.e. if the API Adapter was running while the trips were underway), all of the properties of the subject trips would be updated in the Trips2 table with the exception of the Distance.

Trips data can be re-extracted after upgrading to v3.13.0 as follows:

Step	Detail
1	Stop the API Adapter if it is running.

2	Execute the following SQL statements against the adapter database to clear existing data from the Trips2 table:
	SQL
	`-- Clear the Trips2 table:`
	`ALTER TABLE public."Trips2" DISABLE TRIGGER ALL;`
	`delete from public."Trips2";`
	`ALTER TABLE public."Trips2" ENABLE TRIGGER ALL;`
	`ALTER SEQUENCE public."Trips2_id_seq" RESTART;`

3	Start the API Adapter.

After restarting the API Adapter, the Trips2 table will be repopulated starting from the point in time defined by the **FeedStartOption** and **FeedStartSpecificTimeUTC** (if FeedStartOption is set to "SpecificTime") settings in the GeneralFeedSettings section of the appsettings.json file.

SQL Server

If using the SQL Server version of the adapter database, execute the script named "**MSSQL_3.13.0.0_DVIRLogManipulator_TripMergeFix_PartitionFirst.sql**" against the adapter database. This script can be found in the *SQLServer\v2* folder after extracting the *SQLServer.zip* file that should have been downloaded.

5 Deploy and Configure Application

This step is essentially Step 2: Install MyGeotab API Adapter Application and Step 3: Configure MyGeotab API Adapter Application in the guide. The existing folder containing the earlier version of the application can be backed-up and replaced with this new one, or this new one can be located alongside the old one with the old one serving as a backup.

Appsettings.json

No new settings were added in version 3.13.0. If any customizations were made to the file, it is possible to simply overwrite the new *appsettings.json* file with the version 3.12.0 one that was backed-up in Step 3.

nlog.config

No new settings were added in version 3.13.0. If any customizations were made to the file, it is possible to simply overwrite the new *nlog.config* file with the version 3.12.0 one that was backed-up in Step 3.

6 Start Application

Start the MyGeotab API Adapter application and monitor it and its logs for several minutes to ensure that it is working properly, indicating that the upgrade was successful.

Upgrading to v3.13.0 with Original Data Model

This section covers details relating to upgrading and continuing to use the original data model.

This document is for those that already have a release (**version 3.12.0**) of the MyGeotab API Adapter solution deployed and want to upgrade their existing deployment **to version 3.13.0**. Upgrade instructions are provided in the following sections.

Alternatively, to start fresh with a clean installation of the MyGeotab API Adapter, follow the instructions in the Quick Start Guide section of the MyGeotab API Adapter — Solution and Implementation Guide.

> **WARNING!** The upgrade instructions provided in this document only apply to MyGeotab API Adapter version 3.12.0. If upgrading from an earlier version, **pay careful attention** to the note in the Application Upgrade Instructions section below.

Application Upgrade Instructions

The MyGeotab API Adapter and Data Optimizer (if applicable) applications themselves can be upgraded by simply backing-up the existing appsettings.json and nlog.config files (if applicable - to keep track of the existing setting values) following the normal instructions in the guide to download (e.g. Using Published Release from GitHub).

> **WARNING!** These instructions apply to the **original data model only**. For information about Data Model 2 (DM2) see the Upgrading to v3.13.0 with Data Model 2 (DM2) section.

> ✱ **NOTE**: Regardless of which version you are upgrading from, it is only necessary to download the latest application executable packages. Then:
> - If upgrading **from v3.12.0 to v3.13.0**, the instructions in the Database Upgrade Instructions and Configuration File Upgrade Instructions sections can be followed.
> - If upgrading **from an earlier version**, after downloading the latest application executable package(s), it is necessary to **FIRST** follow the instructions and any associated guides in the Change Log for each successive version up to and including v3.12.0 and **THEN** follow the instructions in the Database Upgrade Instructions and Configuration File Upgrade Instructions sections below.

Database Upgrade Instructions

This section provides database upgrade instructions for the various supported database types.

> **WARNING!** Starting with version 3.0.0, the MyGeotab API Adapter **supports SQL Server and PostgreSQL**. **Oracle database will not be supported moving forward** due to very low usage combined with a high cost to develop and maintain.

> **WARNING!** The database upgrade scripts below will not alter or delete any existing data, but there is an assumption that the database structure has not changed from that which was created by the original script. If any customizations have been made, it may be necessary to modify the script(s) accordingly.

Adapter Database Setup

There are no schema changes for the adapter database in this release.

Optimizer Database Setup

There are no schema changes for the optimizer database in this release.

Configuration File Upgrade Instructions

This section provides details of configuration file changes and instructions on how the configuration file(s) may be modified to upgrade them to the current version.

> **WARNING!** There is an assumption that no structural configuration file changes were made (e.g. as part of a customization of the MyGeotab API Adapter solution). If any customizations have been made, it may be necessary to modify accordingly.

API Adapter - appsettings.json

There are no changes to the appsettings.json file for the API Adapter application in this release.

Data Optimizer - appsettings.json

There are no changes to the appsettings.json file for the Data Optimizer application in this release.

Application Restart

After making the changes detailed in this document, the MyGeotab API Adapter application must be restarted. There is no need to restart the Data Optimizer application.