

Windigipet 2025 – Export Vehicles database to MYSQL

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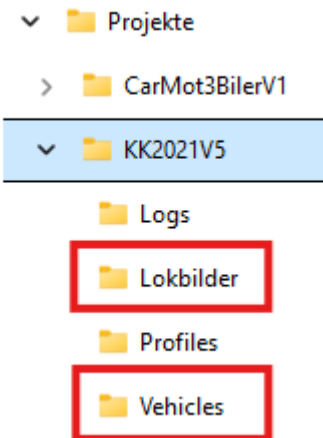
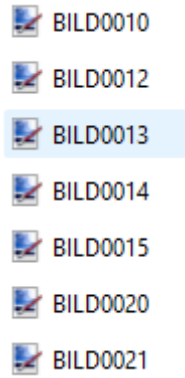
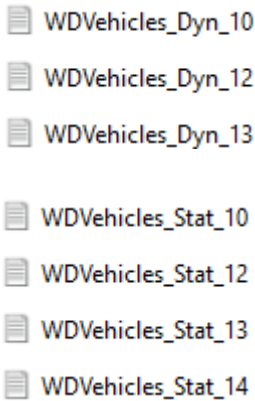
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1. Summary

This document contains a description of how to export vehicle data from Windigipet 2025 to CSV files and further to a MySQL database. The program was developed for personal use, but others may use it at their own risk.

Thanks to ChatGPT for being my best partner 😊

2. Windigipet 2025 – Vehicle data

The data for the vehicle database is located in the two folders, Vehicles and Lokbilder, under each project	
Pictures for each vehicle is stored as a jpg file in folder Lokbileder	
Data for each vehicle is stored in two one with Dyn data and one with Stat data. Each file has vehicle ID as last character in filename. Filetype is DAT – it can be read as a text file.	

3. Files

No	Filename	Filetype	Description
0	WDP_2025_EXP_Vehicles.zip	ZIP - file	Contains file no 1 to 15 - below
1	LoadVehiclesData.py	Python script	Main program – read Dyn, Stat and Picture files for all vehicles. Data is exported to CSV files and MYSQL tables
2	Config.ini	Configuration script	Configuration data for the Python script
3	kolonnenavne_dyn.csv	Configuration for Python script -	This file describes the contents of the DYN file for each Vehicles. There are 3 columns: • Column number in file • Column header • If x – export the column to MYQL
4	kolonnenavne_stat.csv	Configuration for Python script -	Same as above – but for STAT data
5	LoadData.bat	BAT - file	Start the Python main script
6	BILLEDER.sql	MYSQL - table	Create script for table BILLEDER – contains pictures
7	WDP_Matrix_typer.sql	MYSQL – table	Create script for table WDP_Matrix_typer Used to decode the column LokTyp
8	Data_WDP_Matrix_typer.csv	Data	Data for the table above
9	WDVehicles_Dyn.sql	MYSQL - table	Create script for table WDVehicles_Dyn This table contains all dynamic DYN data The number and name of columns in this table must be equal to content in file kolonnenavne_dyn.csv - where last column = x
10	WDVehicles_Stat.sql	MYSQL - table	Same as above – but for STAT data
11	WDVehicles_V.sql	MYSQL - view	View – join of tables
12	WDVehicles_Service_V.sql	MYSQL - view	View – uses view above – ready for presentation
13	urldecode_dk.sql	MYSQL - Function	Used for decode of column Eftersynslogbog
14	samlet_output_dyn.csv	Output from Python script	Output to CSV file for all DYN data
15	samlet_output_stat.csv	Output from Python script	Output to CSV file for all STAT data

4. File Config.ini

```
[database]
host = myhost
user = myuser
password = mypass
database = mydb
charset = utf8mb4

[paths]
input_folder = C:\WDIGIPET_2025_DEMO\Projekte\KK2021V5\Vehicles
mappe_sti = C:\WDIGIPET_2025_DEMO\Projekte\KK2021V5\Lokbilder
output_stat = samlet_output_stat.csv
output_dyn = samlet_output_dyn.csv
```

Replace the yellow fields with your own data.

5. Files kolonnenavne_stat.csv and kolonnenavne_dyn.csv

```
1;ID;x
2;Beschreibung;x
3;Standort;x
4;Baureihe;x
5;Decoder;x
6;Digitalnummer;x
7;col7;
8;col8;
9;Herkunft;x
10;LangsamFahrstufe;
11;LangsamFahrstufeBack;
12;HoechstFahrstufe;
13;HoechstFahrstufeBack;
14;Beschleunigung;

and so on – a total of 48 columns in the STAT file and a total of 13 columns in
the DYN file
```

You can rename the fields here – and you can choose which data should be transferred to MySQL. The only requirement is that the number and names of the columns must match the corresponding MySQL table.

6. Install Python on Windows

1. Install Python (if it is not already installed)

Download and install the latest version of Python for Windows from

<https://www.python.org/downloads/>.

During installation, **check the box** that says “**Add Python to PATH**”.

2. Install Required Python Libraries

Open Command Prompt and run the following command to install the necessary libraries:

```
pip install pandas mysql-connector-python
```

7. Install files and MYSQL objects

No.	Step	Description
1	Install on PC	Copy file no 1 to 5 to a folder on your PC
2	Copy picture files *.jpg to your web-server	The JPG pictures is stored in the MYSQL table BILLEDE Some applications can't show a picture stored in a MYSQL table – but they can show a picture stored in a folder on a web-server. Therefore – if possible – copy all JPG your locomotive pictures to a folder on your web-server. If you do that – edit MYSQL file no.12 – view WDVehicles_Service_V In the view replace the text: {my_picture_folder} With the name of your folder.
3	Install on your MYSQL DB	• Create 4 tables – file no 6 – 7 – 9 and 10 • Create data – import file 8 into table WDP_Matrix_typer • Create view – run file no. 11 • Create view – run file no. 12 (nb: see remarks above) • Create function – run file no. 13
4	Edit file config.ini	se chapter 4
5	Run LoadData.bat	Check if samlet_output_dyn.csv and samlet_output_stat.csv has been created Check if there are data in the MYSQL tables

8. Create a report

I use the free reporting tool Looker Studio - <https://lookerstudio.google.com/navigation/reporting>

Create a datasource to the MYSQL view WDVehicles_Service_V – and create a Looker report on this datasource.

Looker studio cant show a picture stored in a MYSQL database – but It can show a picture stored on a folder on a web-server.

You can see my test – report here: [Looker Studio Rapport](#)



Windigipet 2025 Service check

Service Data fra Windigipet

Rød: Haster meget
Gul: Haster
Grøn: Ok

Filtrer og klik på kolonneoverskrift for at sortere

lok/vogn (1)	Antal
☒ Lokomotiv	58
☐ Vogn	38

Køretøj type

Farve	Antal
☒ Groen	33
☒ Roed	17
☒ Gul	8

Litra	URLBillede	Beskrivelse	Type	Total - (hh,mi)	Aktuel - (hh,mi)	Interval (hh,mi)	% af interval	Log bog
TEE RAE		110 TEE Rae	EL-Lok-Togsæt	55.49	21.48	6	358	
Duck		403 001-1 DB	EL-Lok-Togsæt	0	4.28	6	71	
TEE-RAm		120-TEE-Triebzug...	Diesel-togsæt	0	4.37	6	73	
VT 11.5 d		130-Triebzug "Tra...	Diesel-togsæt	11.42	15.44	6	257	
SVT137		440 SVT 137 105 ...	Diesel-togsæt	0	3.17	6	53	
Lint		330 Lint	Diesel-togsæt	30.04	3.02	6	50	
112 488		112 488-2 DB	El - Lok	0	0.11	6	2	
103 167-3		140 167-3 DB	El - Lok	0	26.57	6	443	
BR103		150 BR 103	El - Lok	21.39	0.49	6	8	
E03		151 E03 / BR 103	El - Lok	0	2.28	6	38	

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