

WAMData C++ Program

included files:

XML_DB_WAD:

data(the BaseX Xml database)

objectfiles(the C++ objectfiles like WAM.obj)

Example(includes the WAMData.exe with all .dlls)

WAMData_VS_Project(the Visual Studio Project)

WAD.h(the header with all functions to get the Wam data)

Example.cpp(Example Console application to test the WAD.h functions)

Instructions to test Example.cpp

1. install Java Version 8 from <https://www.java.com/de/download/>
2. install BaseX(BaseX 8.6.7.exe) from <http://basex.org/products/download/all-downloads/>
3. copy "data" folder to BaseX installation folder(for example C:\Program Files\BaseX) and unzip Inter-Data.zip
4. start the server with "BaseX Server(Start)" (with Windows Start Search Programms) or in BaseX Installation folder \bin\basexserver.bat
5. for testing start WAMData.exe under XML_DB_WAD/WAMData_exe/
6. If you are using Visual Studio start WAMData.sln in XML_DB_WAD/WAMData_VS_Project/ and open Example.cpp then Compile

Console output of Example.cpp:

option 1: search the wheel alignment data by manufacturer and model

- 1.1 select manufacturer(currently only BMW WamData is in the Database)
- 1.2 select model
- 1.3 select Car Variant (MID)
- 1.4 select Car Variant(WAM)

option 2: search the wheel alignment data by hsn(4 digits like 0005) and tsn(3 digits like 404 or 765)

- 2.1 enter in hsn number
- 2.2 enter in tsn number
- 2.3 select Car Variant (MID)
- 2.4 select Car Variant(WAM)

**wamDataArray structure:
(Wheel alignment data)**

Example 1: WamData[2][0]="Model"

Example 2: WamData[6][1]="1998-07"

WamDataArray[1-57]	WamDataArray[1-57][0]	WamDataArray[1-57][1]	WamDataArray[1-57][2]
WAM ID	TEXTLEFT	VALUE	TEXTRIGHT
1	ADB No.	19845	/
2	Model	3 Series (E 46)	/
3	/	/	/
4	/	/	/
5	Model(continued)	std	/
6	Year	1998-07	/
7	Wheelbase	2564	mm
8	Track-front/rear	1481/1488	mm
.	.	.	.
53	Rear camber adjustment	21063	/

carDataArray structure:

Example 1: CarData[1][0][0]="id" , CarData[1][0][1]="2094"

Example 2: CarData[1][2][1]="3 Series"

Example 3: CarData[2][0][1]="2139"

CarData[0-n]	CarData[0-n][0-17]	CarData[0-n][0-17][0]	CarData[0-n][0-17][1]
CAR	CARDATA	DESCRIPTION	VALUE
0-n	0	id	2094
0-n	1	manufacturer	BMW
0-n	2	model	3 Series
0-n	3	range	(F30/31) (12-)
.	.	.	.
0-n	17	wd	N

troubleshooting:

Debug Error! Programm ...WAMData.exe abort() has been called

Solution: Start the Base X Server in BaseX installation folder /bin/basexserver.bat

LNK 1104 file "libboost_system-vc141-mt-gd-1_65.lib" cannot be opened

Solution: Link and Set the libreripath to „libboost_system-vc141-mt-gd-1_65.lib“ or copy the lib files to your project from \XML_DB_WAD\WAMData_VS_Project\WAMData