





MSGEXPRESS ©

Unified All In One High Speed Inter-Process Data Messaging API for heterogeneous code and processes.
A 40kb of SDK code for advanced statistical applications, Machine Learning and Big Data. © 2022 Franco Anzani

MSGEXPRESS WHAT

Software Process 1 (P1*)		Software Process 2 (P2*)
Callback	<< MsgExpress >>	Target pFunction CodePointer

>> WM_CopyData carrier: Standard Windows message [with w32 <mixed memory> w64]
>> ZQM® message carrier: ZeroQM , *Messagging for many applications (**)* [w32 <mixed memory> w64 depends on your code]

- Message > pFunction (same memory structure and size)
DataClass Values are processed in P2 and results are returned at original pointer location in P1
- Message > pFunction (heterogeneous structure and size)
DataClass Values are processed in P2, which returns a new (Static or Dynamic) DataClass(es) to P1
- Message > nul (Void return)
DataClass Values are simply transferred in P2

DataType : UInt2, UInt4, Int2, Int4 Int8, Float4, Float8, Float10, Cur8, Cur10, LPSTR (pchar), LPWSTR, BSTR
 Class : Scalar or Vector or Matrix
 Static DataClass : a single DataType Class
 Dynamic DataClass : Composition of (any of previous) Static DataClass

MSGEXPRESS WHERE

All the most common statistical tools (*) that have the possibility of direct access to their memory through their internal programming language (usually called macros)

MSGEXPRESS WHEN

Data Automation, Modeling Automation, Fast Prototyping Algorithms, ...

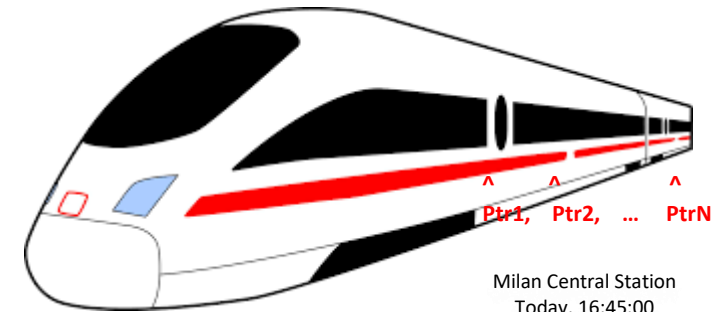
A MSGEXPRESS's Application Example Demo (***)

WM_CopyData: https://www.sixsigmain.it/msgExpress/w_msgpack.zip
 ZQM_carrier : https://www.sixsigmain.it/msgExpress/z_msgpack.zip
 FAQ : https://www.sixsigmain.it/Blog_tools.html

MSGEXPRESS INFO

Write to me

(**) with all the possibilities and binding (Python®, Julia®, Rust®...) offered by this splendid Lib ; (***) not all supported datatypes are present in this demo



Milan Central Station
 Today, 16:45:00
 >> It is departing on platform
 number 2, MsgExpress direct to ...