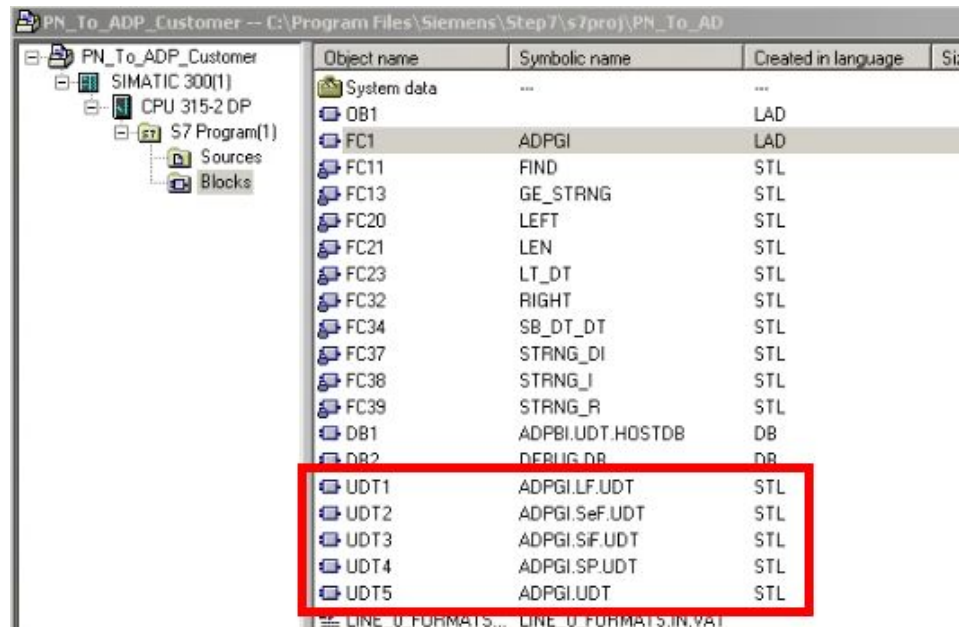


# ADP Gateway Interface Integration for Step 7 v5.5/5.6

2024-06-11

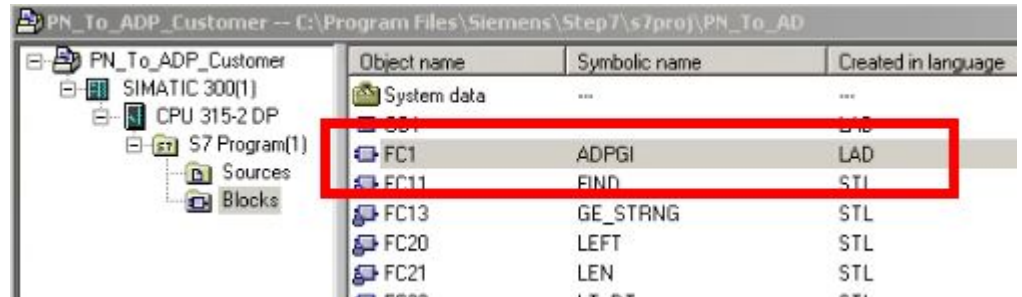
# COPY UDTs

1. The following UDTs need to be copied into your project:
  - a. UDT1 ADPGI.LF.UDT
  - b. UDT2 ADPGI.SeF.UDT
  - c. UDT3 ADPGI.SiF.UDT
  - d. UDT4 ADPGI.SP.UDT
  - e. UDT5 ADPGI.UDT



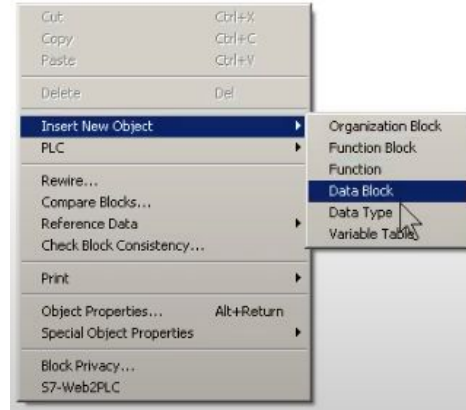
# COPY FUNCTION

1. There is only one function you'll need to copy over:
  - a. FC1 ADPGI



# COPY CREATE INTERFACE DATA BLOCK

1. Create a variable to host the interface in either an existing or new data block.
2. The variable's data type needs to be "ADPGI.UDT"

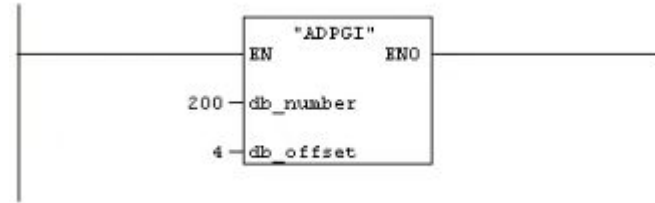


A screenshot of the SIMATIC Manager variable declaration table. The table has columns for Address, Name, Type, Initial value, and Comment. The table is titled 'LAD/STL/FBD - [DB200 -- "ADPGW1.DB" -- my\_project\SIMATIC 300(1)\CPU 315-2 DP\... \DB200]'. The table contains three rows: a STRUCT at address 0.0, a DWORD at address +0.0, and a variable named 'adp\_interface' of type '\*ADPGI.UDT\*' at address +4.0. The 'adp\_interface' row is highlighted with a mouse cursor.

Address	Name	Type	Initial value	Comment
0.0		STRUCT		
+0.0	some_variable	DWORD	DW#16#0	
+4.0	adp_interface	*ADPGI.UDT*		
=984.0		END_STRUCT		

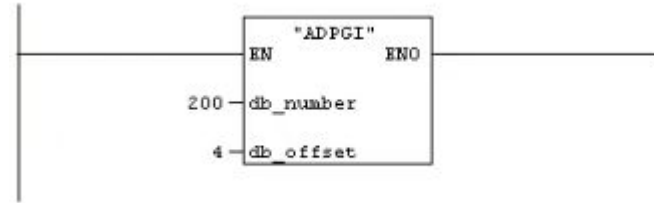
# CALL ADPGI

1. Call ADPGI somewhere in your logic.
2. db\_number (int) needs to be the data block number in which your interface variable is stored
3. db\_offset (int) needs to be the starting byte of your interface variable in the data block it is instantiated.



# COPY CREATE INTERFACE DATA BLOCK

1. Call ADPGI somewhere in your logic.
2. db\_number (int) needs to be the data block number in which your interface variable is stored
3. db\_offset (int) needs to be the starting byte of your interface variable in the data block it is instantiated.



# CAUTION: ADPGI WRITES TO 950 CONTIGUOUS OUTPUT BYTES

The variable `.hardware_address` will be the first of 950 bytes ADPGI will write to. Make sure you have enough output bytes to accommodate the entire message frame.

4.0	<code>adp_interface.hardware_address</code>	DINT	L#0	L#0
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