MARTe2-core - User story #1754

Ranges not working for signals from custom types (introspection)

05.06.2024 17:38 - Giuseppe Ferro

Status: Closed Start date: 05.06.2024 **Priority:** Normal Due date: Assignee: % Done: 0% Category: **Estimated time:** 0.00 hour Target version: Spent time: 0.00 hour Git branch (link): **SVN** commit (link/?p=rev): Git merge to develop (link): **Description** Even if basic type members of custom types, the ByteSize computed by the RealTimeApplicationBuilder does not take in account the Ranges RealTimeApplicationConfigurationBuilderTest.cpp:2561 //allocate memory without considering ranges because it is considered as a struct signalNumberOfBytes = (numberOfElements * signalTypeDescriptor.numberOfBits) / 8u; It is clear also from the tests: Normal Signal: \"0\" = {" QualifiedName = \"ProcessedSignals.Signal1\"" Type = "uint32""NumberOfDimensions = \"2\"" NumberOfElements = \"4\"" Alias = \"SineWave\"" Ranges = $\{ \{ "0 " "0 " \} \{ "3 " "3 " \} \} "$ DataSource = \"DDB1\" Default = \"{1 2 3 4}\"" FullType = \"uint32\"" DataSourceNumber = \"0\"" ByteSize = 8" ByteOffset = { { 0 4 } { 12 4 } } " }" Custom signal: \"3\" = {" QualifiedName = \"ADCs.Signal3.c2\"" Type = \"float32\"" NumberOfDimensions = 1" NumberOfElements = 3" FullType = \"TestStructC.float32\""

History

#1 - 05.06.2024 17:39 - Giuseppe Ferro

MemberSize = 12"
DataSource = \"Drv1\""
Alias = \"ADCs1234.c2\""
Ranges = { \ \"0\" \"0\" \ } \ \"

Samples = "2""

ByteSize = 12" ByteOffset = { { 0 4 } } "

DataSourceNumber = \"1\""

- Status changed from New to Code: Impl

11.04.2025

#2 - 24.06.2024 09:41 - Giuseppe Ferro

- Status changed from Code: Impl to Unit: Rev

#3 - 24.06.2024 09:42 - Giuseppe Ferro

- Assignee changed from Giuseppe Ferro to André Neto

https://vcis-gitlab.f4e.europa.eu/aneto/MARTe2/-/tree/%231754_Ranges_For_Custom_Types?ref_type=heads

#4 - 02.09.2024 09:59 - André Neto

- Assignee deleted (André Neto)
- Status changed from Unit: Rev to Closed

Merged to develop in f46ae822b5a332fb4b91467e733b2165605cee68

11.04.2025