Is it possible to see the value of a C macro in TRACE32?

2026-08-11 - Comments (2) - TRACE32 PowerView

C preprocessor macros are generally not included in the debug information of the ELF file. Therefore, the debugger normally cannot determine their values.

However, you can manually declare macros in TRACE32 using:

```
sYmbol.CREATE.MACRO MACRO_1 <contents>
sYmbol.CREATE.MACRO MACRO_2 <contents>
sYmbol.CREATE.Done
```

You can display the list of manually created macros with:

```
sYmbol.List.MACRO
```

Some compilers can also include macro information in the ELF file. For example, GCC includes macro information when compiled with the `-g3` option. This information is stored in the `.debug_macinfo` section.

When loading such an ELF file with **`Data.LOAD.Elf`**, use the **`/MACRO`** option to import the macro information into TRACE32:

```
Data.LOAD.Elf <file> /MACRO
```

- Tags
- sYmbol

Comments (2)

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Neelakantappa M
2 years ago
How to use these declared macros in T32? I have tried like below but didn't get the desired output. Getting symbol not found error. sYmbol.CREATE.MACRO MACRO_1 (0x25) sYmbol.CREATE.Done local &temp &temp = MACRO_1 gosub func MACRO_1 Both the methods didn't work.
Khaled Jmal
2 years ago

You should use &temp=Var.Value(MACRO_1) instead of &temp = MACRO_1

I also do not recommend to use white spaces in PRACTICE expressions.