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CCS/CCSTUDIO: CCS: Data Format

sadasivam arumu... Intellectual 940 points
Community Member

Part Number: CCSTUDIO

Tool/software: Code Composer Studio

Hi,

- In CCS930->Help. Data formats available are. 1-Hex, 2-Int, 3-Float, 4-Long

  During Load Memory in memory browser, We used to view our data in different formats.

  (8-bit unsigned int,

  8-bit unsigned char,

  16-bit unsigned int,

  16-bit unsigned char,

  32-bit unsigned int,

  32-bit unsigned char)

  In order to save those formats, how to choose in DSS(Java API)

  I can able to save data in Hex values only by using -> saveData(0, 0x1c1c, "C:\\dss\\myFile.dat", 7, 4, false); how to choose those different formats. I want to save my data in 32-bit unsigned int

  API Ref: public void saveData(int nPage, long nAddress, java.lang.String sFilename, int nLength,int nIOFormat, boolean bAppend)

over 5 years ago

Ki *over 5 years ago* TI__Guru**** 444011 points

Hello,

sadasivam arumugam said:

In order to save those formats, how to choose in DSS(Java API)

You can use the memory.saveData2() API.

As per the API doc:

```
public void saveData2(long nAddress,
                      int nPage,
                      int nLength,
                      java.lang.String sFile,
                      int format,
                      boolean bAppend)
               throws ScriptingException
```

This API supports saving data in additional formats not supported by com.ti.debug.engine.scripting.Memory.saveData() The list of supported formats could be listed using the com.ti.debug.engine.scripting.Memory.getSupportedTypes() API

Parameters:

`nAddress` - is the first address in the block.

`nPage` - the memory page. Use one of Memory.Page enumeration.

`nLength` - defines the number of items

`sFile` - specifies the name of the file that will store the target data.

`format` - - desired format

As specified in the API doc, use the memory.getSupportedTypes() to determine the IDs for all the formats supported on your device. For example, on a CC26xx device, the returned IDs are:

```
0 - 32-Bit Hex - TI Style
1 - 32-Bit Hex - C Style
2 - 32-Bit Signed Int
3 - 32-Bit UnSigned Int
4 - 32-Bit Binary
5 - 32-Bit Floating Point
6 - 32-Bit Exponential Float
7 - 16-Bit Hex - TI Style
8 - 16-Bit Hex - C Style
9 - 16-Bit Signed Int
10 - 16-Bit UnSigned Int
11 - 16-Bit Binary
12 - 8-Bit Hex - TI Style
13 - 8-Bit Hex - C Style
14 - 8-Bit Signed Int
15 - 8-Bit UnSigned Int
16 - 8-Bit Binary
17 - Character
18 - 64-Bit Hex - TI Style
19 - 64-Bit Hex - C Style
20 - 64-Bit Signed Int
21 - 64-Bit UnSigned Int
```

```
22 - 64-Bit Floating Point
23 - 64-Bit Exponential Float
```

Hence, if I wanted to save memory to a dat format from address 0x0 with 20 records in TI 16-Bit Hex format, I would do something like:

```
debugSession.memory.saveData2(0, 0, 20, "data.dat", 7, false);
```

With "7" being the ID for "16-Bit Hex - TI Style"

Thanks

ki

sadasivam arumugam *over 5 years ago in reply to Ki*

Intellectual 940 points

It works. Thanks.

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