

Question about TASTE concurrency view

Miguel Muñoz Arancón

lun 20/05/2019 17:08

Sent Items

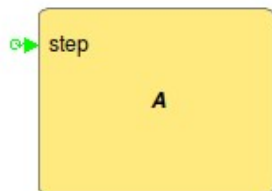
Para:Maxime.Perrotin@esa.int <Maxime.Perrotin@esa.int>;

Cc:thanassis.tsiodras@esa.int <thanassis.tsiodras@esa.int>; mmunoz@gmv.com <mmunoz@gmv.com>;

Dear Maxime,

I'm trying a simple example in TASTE to play with the Concurrency View, and I don't get the expected behaviour. I define a single function A with a cyclic interface with period 10ms and WCET 5ms. But when I simulate the execution, in some instance the execution time is longer than the configured WCET. Do you know what I could be missing?

Interface view:

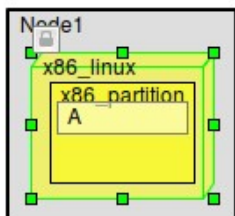


The 'Edit Data' dialog box has tabs for 'PI Attributes', 'Parameters', 'MSC', 'Report', and 'Description'. The 'PI Attributes' tab is selected. It contains a table with the following data:

Attributes	Values
Operation Name	step
Kind	cyclic
Period (ms)	10
Deadline (ms)	10
WCET (ms)	5

Buttons at the bottom: Ok, Apply, Cancel.

Deployment view:

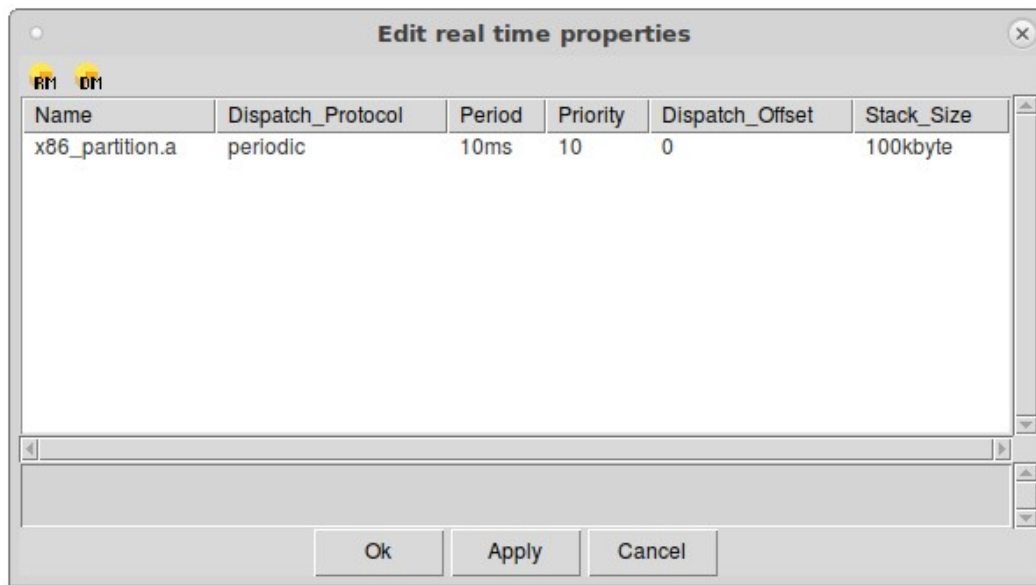


The 'Edit Data' dialog box has tabs for 'Processor Attributes', 'Report', and 'Description'. The 'Processor Attributes' tab is selected. It contains a table with the following data:

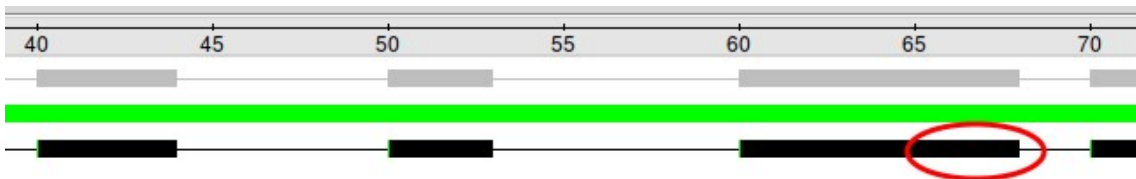
Attributes	Values
Label	x86_linux
Classifier	ocarina_processors_x86::x86.linux
Scheduling Protocol	Posix_1003_Highest_Priority_First_Protocol
Fill Color	Select Color

Buttons at the bottom: Ok, Apply, Cancel.

Concurrency view properties:



Unexpected execution time (it occurs several times, showing just one here):



Thanks in advance,
Miguel



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