REQUESTED FEATURES   (21 matches)

Milestone: Unknown   (21 matches)

Ticket	Summary	Status	Owner	Priority	Component	Reporter
#22	Worst case task response time with POSIX 1003	new		major	binaries	singhoff

Reported by **singhoff**, 5 weeks ago.

description	At this time, the worst case response time on POSIX 1003 does not take into account the POSIX policy (SCHED_FIFO, SCHED_RR, SCHED_OTHER ...) Some feasibility tests were proposed N. Navet

Ticket	Summary	Status	Owner	Priority	Component	Reporter
#84	Increase flexibility to describe AADL data usage by threads	new		major	framework	P. Dissaux (Ellidis)

Reported by **P. Dissaux (Ellidis)**, 10 days ago.

description

Increase flexibility to describe AADL data usage by threads. See the text bellow (in french).

1. Dans la version précédente la property Critical_Section s'appliquait à un Data. Désormais, elle s'applique au Process. Tu aurais pu la garder sur la déclaration des subcomponent Data du Process:

process implementation P.I subcomponents

       T1 : thread T; T2 : thread T; D0 : data D { Cheddar_Properties::Critical_Section => ("T1", "2", "2", "T2", "4", "5"); };

end P.I;

Ou bien considérer que cela fait partie de la déclaration de chaque Thread subcomponent

process implementation P.I subcomponents

       T1 : thread T { Cheddar_Properties::Critical_Section => ("D0", "2", "2"); }; T2 : thread T { Cheddar_Properties::Critical_Section => ("D0", "4", "5"); }; D0 : data D;

end P.I;

Voire à considérer que dans ce cas, cela fait pleinement partie de l'implémentation du thread:

process implementation P.I subcomponents

       T1 : thread T.I1; T2 : thread T.I2; D0 : data D;

end P.I;

thread implementation T.I1 properties

       Cheddar_Properties::Critical_Section => ("D0", "2", "2"); };

end T.I1;

thread implementation T.I2 properties

       Cheddar_Properties::Critical_Section => ("D0", "4", "5"); };

end T.I2;

Ticket	Summary	Status	Owner	Priority	Component	Reporter
	Enfin, cela pourrait aussi judicieusement porter sur la data access:					

process implementation P.I subcomponents

  T1 : thread T; T2 : thread T; D0 : data D;

connections

  data access D0 -> T1.S {Cheddar_Properties::Critical_Section => ("2", "2"); }; data access D0 -> T2.S {Cheddar_Properties::Critical_Section => ("4", "5"); };

end P.I;

thread T features

  S : requires data access D

end T;

2. A quoi correspondent exactement les intervalles de temps spécifiés (à partir de quelle origine et avec quel pas ?). La dernière solution ci-dessus permettrait d'utiliser un Time_Range plus explicite

Critical_Section: Time_Range applies to (access connections); (ou un list of Time_Range si on souhaite accéder plusieurs fois à la même donnée)

Voilà pour aujourd'hui, (dis moi si j'ai rien compris)

Pierre

Ticket	Summary	Status	Owner	Priority	Component	Reporter
#85	Common variables between processors	new		major	framework	Guillaume Laurens (Airbus)

Reported by **Guillaume Laurens (Airbus)**, 10 days ago.

description

I need common variables between processors.

An example :

- I made a XML file with 4 processors.
- I wand to use a resource that is the same for the 4 processors.
  - I need just one global variable that each processor know.
  - Impossible : variables in .sc files are local to each processor.
  - If I define my variable in .sc file, each processor have a variable : therefore we get 4 variables (one per processor).

I sugest this solution : the user must have the possibility to define a global .sc file. It must be a parameter of the simulation and not a parameter of one processor. And this file must just contain an equivalent of "start_section". This allow user to define global variables : known for all processor in .sc files.

Ticket	Summary	Status	Owner	Priority	Component	Reporter
#87	Multiples dimensions array in .sc files	new		major	framework	Guillaume Laurens (Airbus)

Reported by **Guillaume Laurens (Airbus)**, 10 days ago.

description In .sc files, we can create arrays with one dimension. It will be useful if we can create arrays with multiples dimensions. (array of array... var[][][])

Ticket	Summary	Status	Owner	Priority	Component	Reporter
#88	Unable/Disable task preemption	new		major	framework	F. Singhoff

Reported by **F. Singhoff**, 10 days ago.

description	Add a property to each task in order to unable/disable the preemption of the task.

Ticket	Summary	Status	Owner	Priority	Component	Reporter
#89	Functions and procedures in the .sc file parser	new		major	framework	Hugel

Reported by **Hugel**, 10 days ago.

description	Add functions and procedures in the .sc file parser.

Ticket	Summary	Status	Owner	Priority	Component	Reporter
#92	Cheddar configuration	new		major	framework	Guillaume Laurens (Airbus)

Reported by **Guillaume Laurens (Airbus)**, 10 days ago.

description	Cheddar use variables in cheddar/config/config.ads to define constant variables. These variables are important for performances… Therefore, there are one cheddar configuration for each user (due to different usage)… and the modification of these parameters imply to recompile and rebuild Cheddar. I think, it must be better. 3 solutions : • Cheddar binary is executed with parameters … • Cheddar depend on a configuration text file and read this one when we start execution. • Cheddar have no limit for these parameters -> dynamic arrays (or equivalent)(possible with ADA?)

Ticket	Summary	Status	Owner	Priority	Component	Reporter
#94	Message scheduling features	new		major	framework	F. Singhoff

Reported by **F. Singhoff**, 10 days ago.

description	• Lack of message scheduling connection to the holistic computation. • Extend message scheduling with parametric message scheduling and with any message send/receive time.

Ticket	Summary	Status	Owner	Priority	Component	Reporter
#109	Ocarina 1.2	new		major	framework	J. Legrand

Reported by **J. Legrand**, 9 days ago.

description	Switch to Ocarina 1.2

Ticket	Summary	Status	Owner	Priority	Component	Reporter
#111	GNAT 2008 GPL	new		major	binaries	J. Legrand

Reported by **J. Legrand**, 4 days ago.

description	Switch to gnat 2008 GPL

Ticket	Summary	Status	Owner	Priority	Component	Reporter
#112	XMLAda 3.1	new		major	binaries	J. Legrand

Ticket	Summary	Status	Owner	Priority	Component	Reporter
	Reported by **J. Legrand**, 4 days ago.					
description	Switch to xmlada 3.1					
#4	New Information in simulation diagram	new	Jerome	minor	graphical_editor	C. Valle (Deimos space), J. Legrand
	Reported by **C. Valle (Deimos space), J. Legrand**, 4 months ago.					
description	The following simulation information can be displayed : • Time unit (1 2 3 4 … N) • Deadline • Preemptions • Blocking times • Wait times • …					
#13	Cheddar project file backup (crash)	new		minor	graphical_editor	Jerome Legrand
	Reported by **Jerome Legrand**, 3 months ago.					
description	Cheddar should have project file backup feature : • Before saving the current project, the old file should be renamed (name of the file + _backup for example : test_backup.xml). • This backup could also occurs regularly.					
#23	Entry widget for directory/file name	new		minor	graphical_editor	singhoff
	Reported by **singhoff**, 5 weeks ago.					
description	We must check that in all MMI widget, each time we have to enter a directory/file name, the entry size is large enough					
#24	Display on the GANNT task release time	new		minor	graphical_editor	singhoff
	Reported by **singhoff**, 5 weeks ago.					
description	When a task is released several times at the sime simulation time, this is not currently displayed this may occur with probabilistic release task rule such as poisson process task (with small average period) a way to display such event could be to put the number of task releasing under the red line.					
#31	Update of the working directory	new		minor	graphical_editor	singhoff

Ticket	Summary	Status	Owner	Priority	Component	Reporter

Reported by **singhoff**, 3 weeks ago.

description	When a project is opened, the working directory of Cheddar must be updated in order to reflect the directory of the opened project. By default, the working directory is the directory from which cheddar is launched. This feature will avoid the user to filter its working directory each time an AADL/XML is opened ; by the way, it will ease the simulator engine to find .sc files attached to XML project files.					
#83	F30	new		minor	framework	M. Prochazka

Reported by **M. Prochazka**, 10 days ago.

description	Implement task worst case response time feasibility tests when tasks have offsets (eg. tindell 1994). Allow feasibility tests for periodic tasks to be applied on sporadic tasks. The cheddar machine man interface should be more flexible to be able to display larger scheduling.					
#86	Displaying the simulation time	new		minor	graphical_editor	F. R. Rocha

Reported by **F. R. Rocha**, 10 days ago.

description	Add some time lines in the top part of the main cheddar windows in order to displaying the simulation time.					
#90	User defined size array	new		minor	framework	Guillaume Laurens (Airbus)

Reported by **Guillaume Laurens (Airbus)**, 10 days ago.

description	In .sc files, we can create arrays. But the size is limited to few predefined ranges... It should be useful to create arrays with user defined size...					
#91	"for" range	new		minor	framework	Guillaume Laurens (Airbus)

Reported by **Guillaume Laurens (Airbus)**, 10 days ago.

description	"for" can just use predefined range... I can't loop for 5 to 10. (not realy important : we can use "while")					
#93	procesor widget "speed up" field	new		minor	graphical_editor	F. Singhoff

Reported by **F. Singhoff**, 10 days ago.

description	Add a "speed up" field in the procesor widget should be initialized at 100 percents.					