

Compliant Control Architecture - Enhancement #2310

Add documentation about CCA lifecycle states

06/02/2015 01:05 PM - N. Dehio

Status:	Feedback	Start date:	06/02/2015
Priority:	Normal	Due date:	
Assignee:	N. Dehio	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
At the moment I can not find any description about states and there is no example available here: http://docs.cor-lab.org/cca-manual/trunk/html/examples.html			

History

#1 - 06/02/2015 03:25 PM - Anonymous

- Tracker changed from Bug to Enhancement
- Status changed from New to Feedback
- Assignee changed from Anonymous to N. Dehio

Did you check the already existing documentation at

<http://docs.cor-lab.de//cca-manual/trunk/html/lifecycle.html#lifecycle>

However, this and should be extended. Is anything particular missing in this documentation from your point of view?

#2 - 06/02/2015 03:53 PM - N. Dehio

Thanks!

In State.h I found the following list:

```
/**
 * Possible component states
 */
enum State {
    STATE_RESET = 32,
    STATE_PAUSE = 31,
    STATE_ACQUIRE = 24,
    STATE_OFFLEARN = 23,
    STATE_ONLLEARN = 22,
    STATE_EXEC = 21,
    STATE_LOAD = 12,
    STATE_PERSIST = 11,
    STATE_OFF = 0
};
```

What is the difference between OFF / PAUSE / RESET ?

#3 - 06/02/2015 04:06 PM - Anonymous

- File cca-states.png added

This information is indeed missing. Have a look at the rst componentstate definition where there is a bit information on the state semantics:

<https://code.cor-lab.org/projects/rst/repository/revisions/master/entry/proto/sandbox/rst/cbse/ComponentState.proto>

I also just created an overview on the states and their hooks, see attached overview image (a dropped the state transitions for now, as all states can be transitioned to from any other state, which makes the graph quite complex): "on entry" hooks are executed when a state is entered, "on trigger" hooks are executed when a the processing startegy of a component decides to process, and "on exit" hooks are executed when a state is left.

Files

cca-states.png	29.8 KB	06/02/2015	Anonymous
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