

# **NEW AND NOTEWORTHY**

APP4MC 1.0 (NOV 2020)

### Eclipse APP4MC 1.0

### General description of platform changes

### Model changes

- ► Removed MeasurementModel (deprecated since 0.9.9 and replaced by new ATDB)
- Removed ProcessEventType 'deadline'

#### **Product**

- ▶ New Amalthea Trace Database (ATDB)
- ▶ New transformations BTF -> ATDB, ATDB -> Amalthea
- ► Extended Metrics Viewer

#### UI

Added possibility to refresh a pinned visualization

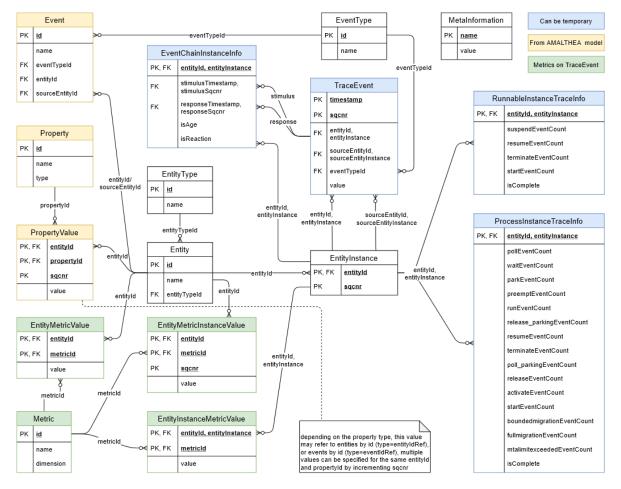
# **Amalthea Trace Database**

### Eclipse APP4MC 1.0

## **Amalthea Trace Database**

- ► SQLite database
- structured and consistent representation of
  - trace data
  - extract of model content
  - metrics
- suitable for exchange of metrics
- intended as a replacement for the measurement sub model

## **Amalthea Trace Database**



### Eclipse APP4MC 1.0

## **Extended Metrics Viewer**

1 2 3 4 5 6 7 8 9 9	Task_10MS	startDelayTime runningTime pollingTime parkingTime waitingTime readyTime responseTime	Minimum [ns] 0 12995540 1120 0	Maximum [ns] 165508448 13401390 1121	Average [ns] 140427337.65 13199933.70 1120.09	Std. Dev. [ns] 43489618.66 73881.47 0.29	
3 4 5 6 7 8 9	Task_10MS	runningTime pollingTime parkingTime waitingTime readyTime responseTime	0	1121	1120.09	0.29	
4 5 6 7 8 9	Task_10MS	pollingTime parkingTime waitingTime readyTime responseTime	0				
5 6 7 8 9	Task_10MS	parkingTime waitingTime readyTime responseTime	-	0	0.00	0.00	
6 7 8 8 9	Task_10MS	readyTime responseTime	-	0	0.00	0.00	
7 8 9	Task_10MS	responseTime	12125715				
9	Task_10MS	responseTime	12125715				
-	Task_10MS	F	13123713	178833500	153628391.44	43490546.46	
-		coreExecution					
10		netExecutionTi	12996660	13402510	13201053.80	73881.48	
10		grossExecutio	-				
11		activateToActi	10000000	10000000	1000000.00	0.00	
12		startToStart	13139340	26666725	17602330.26	4308101.53	
13		endToEnd	13149835	26770070	17596217.70	4286840.00	
14		endToStart	0	13541010	4403339.48	4293717.19	
15		slack	-165141026	-3125715	-120217549.48	52107737.37	
16		startDelayTime	13125715	178833500	159650165.43	38245936.43	
17		runningTime	370000	429740	402166.19	12849.30	
18		pollingTime	30	30	30.00		
19	1	parkingTime				0.00	
20		waitingTime	0	0	0.00	0.00	