

Database - Feature #2282

make number of pattern engine instances per conversion profile configurable

04/11/2014 08:25 PM - Eric Faulhaber

Status:	Hold	Start date:	04/11/2014
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	Performance and Scalability Improvements	vendor_id:	GCD
billable:	No		
Description			
Related issues:			
Related to Database - Feature #2276: create a work queue of PatternEngine ins...			Closed

History

#1 - 04/11/2014 08:47 PM - Eric Faulhaber

- Status changed from New to Hold
- Target version changed from 23 to Milestone 17

Currently, we create one pattern engine instance per conversion profile (e.g., schema/p2o, annotations/annotations, etc.). All runtime conversion operations across all sessions have to be handled by these single instances, which operate as critical sections (e.g., one session has access at a time, until it is finished). Once each profile has its rule-set expressions compiled, they are very fast to execute (around 1-2ms. on an i7 laptop), so I don't expect this to cause a bottleneck. If, however, this proves to be a problem in performance/scalability testing, we could add configuration to the directory to specify the number of pattern engines to create, by profile.

Each such instance has a significant memory footprint, since compiled expressions are not shared across pattern engine instances.

#2 - 11/16/2016 12:30 PM - Greg Shah

- Target version changed from Milestone 17 to Performance and Scalability Improvements