

Infrastructure - Story #8204

Adjust memory allocation for services running under JVM on CNs

2017-10-24 15:29 - Dave Vieglais

Status: New	Start date: 2017-10-24
Priority: Normal	Due date:
Assignee:	% Done: 0%
Category:	Estimated time: 0.00 hour
Target version:	
Story Points:	
Description	
<p>Most services on CNs run in JVM instances, each with separate restrictions on memory use.</p> <p>Current configurations were mostly based on defaults and have not changed much despite significantly higher memory use for systems such as Solr and Hazelcast.</p> <p>The goal of this story is to evaluate the memory configuration of each JVM instance on the CNs and tune as necessary with the primary goal of avoiding out of memory errors, secondary goal is improving performance.</p> <p>Note that with increased heap allocation, garbage collection may become a significant bottleneck, with application freeze in the order of several minutes possible or likely with higher heap allocations (e.g. 16GB)</p>	
Subtasks:	
Task # 8205: Adjust memory allocation to Tomcat7 on CNs	New
Task # 8206: Review and adjust memory allocation to Solr and zookeeper	New
Story # 8207: review and adjust memory allocated to d1-processing	New
Story # 8208: Review and adjust memory allocated to d1-index-task-generator and d1-inde...	New
Related issues:	
Blocked by Infrastructure - Story #8199: Increase memory allocation to CNs	Closed 2017-10-24

History

#1 - 2017-10-24 15:30 - Dave Vieglais

- Blocked by Story #8199: Increase memory allocation to CNs added

#2 - 2017-12-26 18:10 - Dave Vieglais

- Sprint set to Infrastructure backlog