

BIEN 3 - Task #883

have import scripts regularly check disk space and pause processes if getting close to limit

04/01/2014 05:02 PM - Aaron Marcuse-Kubitza

Status:	Rejected	Start date:	04/01/2014
Priority:	Normal	Due date:	
Assignee:	Aaron Marcuse-Kubitza	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Activity type:			
Description			
issue			
<ul style="list-style-type: none">• there is no soft limit on disk space inside Postgres, so the hard limit gets reached instead, causing an error which ricochets across the system and crashes various processes (similar to an out-of-memory condition caused by kernel overcommit, except that Postgres already has a throttle for that problem)• since Postgres does not have a disk space throttle¹, our scripts need to do this instead			
<p>¹ the temp_file_limit config param seems to be intended to do this, but throws an error instead of handling the problem by pausing (self-throttling)</p>			
implementation			
<ul style="list-style-type: none">• lib/sql.py run_query() (the global function, not the method of DbConn) should trap "OperationalError: could not extend file "...": No space left on device" and handle it by pausing until the disk space goes back down, and then retrying the last SQL command<ul style="list-style-type: none">◦ the last SQL command does not need to be idempotent, because the error means that it was rolled back			

History

#1 - 04/01/2014 05:53 PM - Aaron Marcuse-Kubitza

- Description updated

#2 - 04/01/2014 06:17 PM - Aaron Marcuse-Kubitza

- Description updated

#3 - 04/01/2014 06:32 PM - Aaron Marcuse-Kubitza

- Description updated

#4 - 04/02/2014 10:07 AM - Aaron Marcuse-Kubitza

- Description updated

merging info in [#882](#), so that this info is not maintained in two places

#5 - 04/02/2014 10:07 AM - Aaron Marcuse-Kubitza

- Description updated

#6 - 04/02/2014 10:26 AM - Aaron Marcuse-Kubitza

- Description updated

#7 - 04/02/2014 11:10 AM - Aaron Marcuse-Kubitza

- Description updated

#8 - 04/02/2014 11:10 AM - Aaron Marcuse-Kubitza

- Description updated

#9 - 04/02/2014 11:11 AM - Aaron Marcuse-Kubitza

- Description updated

#10 - 04/11/2014 04:26 PM - Aaron Marcuse-Kubitza

- Description updated

- Priority changed from High to Normal

#11 - 10/03/2014 03:21 PM - Aaron Marcuse-Kubitza

- Status changed from New to Rejected

our scripts do not trigger this Postgres bug unless they are running buggy queries