

VegBank - Bug #978

Concurrent loading and viewing of plots issues

01/30/2003 07:10 PM - Gabriel Farrell

Status:	Resolved	Start date:	01/30/2003
Priority:	Normal	Due date:	
Assignee:	Gabriel Farrell	% Done:	0%
Category:	misc	Estimated time:	0.00 hour
Target version:	Postpone	Spent time:	0.00 hour
Bugzilla-Id:	978		
Description <p>There are two places in the system that may not be safe if used concurrently.</p> <p>During loading of mdb plots the file is saved to the filesystem of the machine hosting the rmi server. If a different user were to try to load a plot before the previous one is read then it is likely that the system would intermingle the data from the two plots. This needs to be confirmed.</p> <p>FIX:</p> <p>The simple solution is to lock the plot loading component until it is finished its work and send the next user a message like "System busy try latter". This is not ideal.</p> <p>Mike Lee suggested creating a unique ODBC connection and filename for each uploaded file and remove them when finished. This is a good idea, not sure how long this would take to impliment since I need to learn how to do this but it sounds straightforward ... need to investigate.</p> <p>--</p> <p>The other potential problem is with the viewing/downloading plots. This is a similar case where a file is writtian to the system and another process presents it to the user.</p> <p>FIX:</p> <p>I think this could be handled by not writing the file to disk and passing it as around as an in memory java object. This may already be the implimented and no problem exists, if not it is a quick fix.</p>			

History

#1 - 07/24/2003 10:25 AM - Gabriel Farrell

This work has been completed, form the web-interface I am unaware of any existing concurency issues.

The plot loading via the rmi-server has a lock around it that I hope is adequate in real use cases but it is not robust in a all cases (10 minute lock). Ideally the rmi subsystem goes the way of the dodo but right now it is the primary means of getting data into the system.

#2 - 01/31/2005 02:53 PM - Michael Lee

changed from components that are to be deleted to "misc" so that bugs don't get deleted with component. Sorry for all the email.

#3 - 03/27/2013 02:15 PM - Redmine Admin

Original Bugzilla ID was 978