

Kepler - Bug #1909

generalize cache manager to provide support for very large data files

01/21/2005 12:45 PM - Chad Berkley

Status:	Resolved	Start date:	01/21/2005
Priority:	Immediate	Due date:	
Assignee:	Kevin Ruland	% Done:	0%
Category:	core	Estimated time:	0.00 hour
Target version:	1.0.0alpha9	Spent time:	0.00 hour
Bugzilla-Id:	1909		
Description			
existing persistent vector imp. for GIS can be ported to cache manager.			

History

#1 - 11/02/2005 01:01 PM - Matt Jones

This needs to be added as general support in the cache manager. Data files can frequently be tens to hundreds of megabytes or more. The cache manager should have support for accessing these objects in a memory-friendly manner.

#2 - 11/03/2005 09:40 AM - Dan Higgins

Java GIS actors have capability for handling very large files (i.e. no need for very large grids to be in RAM, although disk-based treatment is slow). These large files are NOT saved in the cache, however. They are handled and stored as ordinary files.

#3 - 11/16/2005 09:49 AM - Chad Berkley

This should be implemented in the extension of CacheObject that deals with data files.

#4 - 02/03/2006 12:26 PM - Kevin Ruland

The two types of cache objects which provide access to the raw file: RawDataCacheObject and DataCacheFileObject, both will give direct access to the File object. This object should be used along with java.nio to provide random buffered access to files. The actual manipulation of the buffers will be highly dependent on the data in the files and cannot be abstracted to the cache layer.

#5 - 03/27/2013 02:18 PM - Redmine Admin

Original Bugzilla ID was 1909