Monarch - Bug #954

cache should not expunge temp objects that are needed later in an analysis

01/15/2003 03:01 PM - Chad Berkley

Status:	Resolved		**Start date:**	01/15/2003
Priority:	Immediate		**Due date:**	
Assignee:	Chad Berkley		**% Done:**	0%
Category:	monarch - general bugs		**Estimated time:**	0.00 hour
Target version:	2.0.0Alpha2		**Spent time:**	0.00 hour
Bugzilla-Id:	954			

Description

need to make sure that the cache does not expunge any temporary data that is stored by a previous stepgroup in a pipeline and may be needed later in the pipeline. need to have some way for a pipeline to specify that a temporary data object should persist until the entire pipeline has executed.

History

#1 - 01/17/2003 09:24 AM - Chad Berkley

callers of the cache need to be able to control the fate of objects submitted. there needs to be expungeNow(cacheid), neverExpunge(cacheid), and allowExpunge(cacheid) methods so that callers have more precise control of what is in the cache. the expungeNow method would force the cache to remove the specified object. neverExpunge would stop the cache from expunging the object alltogether and allowExpunge would allow the cache to expunge the object the next time it needed to without requiring it to do so immediately.

#2 - 01/21/2003 01:50 PM - Chad Berkley

the methods expungeNow, allowExpunge and neverExpunge are now implemented in the cache. It occured to me while doing this that adding a feature to set a time out on a cached file would also be useful. For instance, if the pipeline produces an image, you could set the time out to be 5 minutes, then the file would be removed from the server. five minutes would be plenty of time for a client to download an image or for someone to download it from a browser.

I also discussed with Matt making the cache manager the ultimate decision maker on what stays and what goes. So I think I need to make an upper absolute limit on the number of MB that can be in the cache but a lower purge limit for expunging uneeded files. The cache would absolutely disallow the cache size to go over the max, but would start expunging the files that it could when it got to the lower limit.

The other thing i still need to do is to make ScriptLanguagePlugin.createOutputData intelligently set the allowPurge and neverPurge attributes of a cacheitemdescription.

#3 - 01/23/2003 09:04 AM - Chad Berkley

The cache manager now has two parameter settings which are set in the config.xml file (replaced by ant in build.xml). maxdisksize is the upper bound over which the cache will never go. purgedisksize is the size at which the cache will start purging items.

now just need to make ScriptLanguagePlugin.createOutputData intelligently set the allowPurge and neverPurge attributes of a cacheitemdescription.

#4 - 01/31/2003 03:15 PM - Chad Berkley

The cache now has funtionality to expunge items after a certain amount of time. The expunge can be cancelled before the time limit expires. if the time limit expires, the cache item is expunged immediately.

#5 - 02/26/2003 11:41 AM - Chad Berkley

done

#6 - 03/27/2013 02:15 PM - Redmine Admin

Original Bugzilla ID was 954