Kepler - Bug #1883

Add LSID to Cache Manager

01/20/2005 09:24 AM - Rod Spears

Status:	Resolved	**Start date:**	01/20/2005
Priority:	Immediate	**Due date:**	
Assignee:	Chad Berkley	**% Done:**	0%
Category:	core	**Estimated time:**	0.00 hour
Target version:	1.0.0alpha9	**Spent time:**	0.00 hour
Bugzilla-Id:	1883		

Description

History

#1 - 11/02/2005 12:25 PM - Matt Jones

This is mostly accomplished. The object manager uses LSIDs to identifiy cache items. Some refactoring is being considered to make the old cache manager aware of LSIDs. Also need to resolve the issue of using 'localhost' as an LSID authority because it allows the possibility of conflicting LSIDs.

#2 - 11/16/2005 09:48 AM - Chad Berkley

the objectcache will replace the datacachemanager as the main caching system in kepler. the objectcache relies completely on LSIDs for unique identification of objects. The infrastructure for dealing with lsids within kepler is complete. There is an LSIDGenerator to create local lsids, an LSIDTree to keep track of uniqueness and the KeplerLSID class itself that wraps the IBM LSID class so that we can use local lsids.

there is a need for locally assigned lsids. the problem with using localhost as the authority is that 2 people on 2 different computers could create the same lsid. if we use another authority, a centralized ID store would need to be implemented to garauntee uniqueness. Another idea that's been thrown around is using some sort of encryption key as the object identifier. Currently, kepler uses localhost as the authority. There needs to be more discussion on exactly how this should be changed.

#3 - 12/14/2005 02:07 PM - Chad Berkley

The cache manager is now fully lsid compliant. There are no longer any localhost lsids, instead they are kepler-project.org lsids. This works fine as long as you don't try to lookup the lsid from the network, since there is currently no lsid authority.

#4 - 03/27/2013 02:18 PM - Redmine Admin

Original Bugzilla ID was 1883