

Silo - Feature # 647: Add DBDriverAction

Status:	New	Priority:	Normal
Author:	Mark Miller	Category:	
Created:	03/12/2011	Assigned to:	
Updated:	03/12/2011	Due date:	
Impact:	3 - Medium		
Expected Use:	3 - Occasional		
OS:	All		
Support Group:	Any		
Subject:	Add DBDriverAction		
Description:	<p>Its becoming more and more frequent that we sometimes need a way for a Silo client to force certain behavior available in a driver specific library (e.g. HDF5).</p> <p>One option is for callers just to call the driver-specific method directly. However, thats potentially risky as driver-specific behavior may need to properly integrate with Silo in order to function as desired.</p> <p>A solution is to add a generic DBDriverAction method that takes a file or driver id and an optlist and then performs actions as pre-defined by various optlist options. An example would be telling Silo to work-around HDF5 free-list leaks by calling H5open on an infrequent basis.</p> <p>In fact, what Silo really needs is a public 'io-context' that sort of operates like a 'stack' and the context includes all 'behaviors' such as friendly names, compression, dis-allowing overwrites, etc., etc. The silo library needs to be able to switch between contexts associated with different files and/or as callers (possibly nested) specify.</p>		

History
