

St. Martin, Traci Veta

From: Johnson, Thomas M.
Sent: Friday, August 01, 2008 3:33 PM
To: 'Hartel, Frank (NIH/NCI) [E]'
Cc: Freimuth, Robert, Ph.D.; St. Martin, Traci Veta; Beasley, Johnita (NIH/NCI) [C]; Lucas, Jason (NIH/NCI) [C]; Peterson, Kevin J. [RO BMI]; Bauer, Herbert S. (Scott)
Subject: Primitive wrappers on LexBIG grid interfaces

Frank,
Quick update on where we are at...

We have investigated and determined a workable approach to the problem. Rather than doing EVS-like bundling of parameters into single-param structures, we are defining individual param objects to replace primitives on a one-to-one basis. We found more similarity than anticipated in the use of primitives across calls, so this approach provides better reuse than the larger parameter structures that might vary on a method by method basis. Example objects would be MatchText and MatchAlgorithm, replacing string params.

We did a quick review of the approach with Bob. He feels comfortable that we are on the right track though we have some specifics to work through. The 'hit' to modeling efforts is estimated very low, and is already partially complete. Impact on implementation (to do the object-to-primitive mapping) is also relatively low and contained at the level of the grid interfaces. Downstream APIs (LexBIG distributed and Java interfaces) are not impacted.

We will complete model rework and review early next week. I will provide a more complete report at that time. For documentation purposes, we will introduce as an agenda topic next week and will also include in our next status report (Aug 15).

Thanks, and have a good weekend,
Tom