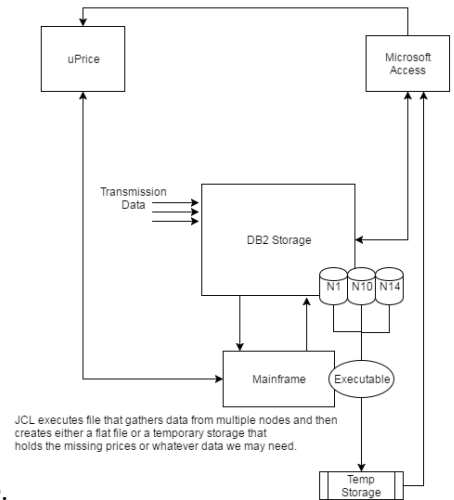


Logo will
appear here

FSG Pricing Optimization

Problem Landscape	Identified Problems and Proposed Solutions	Project Artifacts
Utilize Message Qu...		
New CICS Screen	<p>Problem:</p> <p>In their current state, the processes used to populate the tables in Microsoft Access are causing the Access Databases to steadily increase in size, until soon they will be close to or over the 2GB limit imposed by Access. This has already happened once, and resulted in the team splitting their Access Database into two. This approach to the memory limit will cause slower interaction with Access and is a major target for a fix. Additionally, the fact that so much data is returned is concerning. Think about it, even three hundred-thousand rows with 6 columns of text and numbers should not reach 2GB. At the moment it seems that all of the data on each platform is being brought back to Access. All of this data is brought back, but not all of it is used. We believe these things, coupled with costly local data manipulation, are causing severe slowdowns when pricers are trying to perform basic queries.</p> <p>The slowness of these queries is an issue because these queries are at the heart of what the pricers are doing. I mentioned a window in the introduction, a one and a half hour gap from 7:30 to 9:00 where the pricers work fervently to get every fund priced. Well, the status quo means that pricers are having to wait 3-5 minutes just to see which funds need to be priced. As a consequence, they have to bust their butts up until the end of the night to make up for the slowness associated with generating the tables they need to do their job. Another issue with what's happening here is that a significant portion of the workload is dumped onto the pricer's computer. If only we had some sort of giant box that took Millions of Instructions Per Second to do these computations for us instead...</p>	
Unstructured Data ...		
Productionalize	<p>Possible Solution:</p> <p>We would like to add another CICS screen that issues a command to the Mainframe that creates a file or set of files that is consumable by Microsoft Access. This file could be a flat file, .csv, a .xml or a temporary storage bin. This file would be generated based on the type of information requested at the CICS screen. Once we know what type of data is needed, we pull all of the corresponding data from each node and store it in temporary storage. This might consist of one or more tables depending on the needs of the pricers. Once we generate this table, it should be fed to Microsoft Access, which might need to be altered to be capable of reading consuming this new data structure. Once generated, the CICS screen should have an option to refresh, and doing so will repopulate the temporary storage, clearing what was there. This will be faster as it</p>	

takes place on the mainframe. Additionally, when data is passed to Microsoft Access, it



should be tables of significantly smaller size.

Additional Considerations

Will need new function key for CICS

New Key to repopulate temporary table in 3270/TA2000 also needed

Determine how temporary table will be structured, what are the prices needs?

DBA needs to examine our logic, make sure we are within confines of DSTs Policies.

Is our solution feasible and does it accomplish what we think it will?

Will we need to move/rewrite AutoQCs?

How can we easily add new platforms in this system?