



## MBRM Grid Computing Server Farm (MBRMGF)

- Excel users can spread their recalculations across the MBRM load-balanced Grid Computing Server Farm
- Substantially speeds up recalculation time using low cost Server Farm computers whilst users retain the flexibility and familiarity of their usual Excel environment
- Both client developed in-house libraries and MBRM's Universal Add-in libraries are supported

If your risk management modeling gets so complex that your spreadsheets sometimes go into constant calculation loops when integrated with real-time feeds, or if you have spreadsheets that are so complex, even without real-time feeds, that each calculation cycle takes an unacceptably long amount of time to complete, then the MBRM Grid Computing Server Farm (MBRMGF) may be just the answer you are looking for.

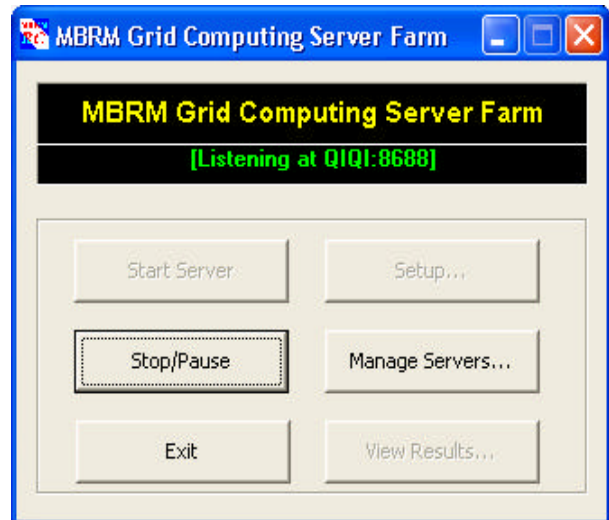


Figure 1: MBRMGF Main Application

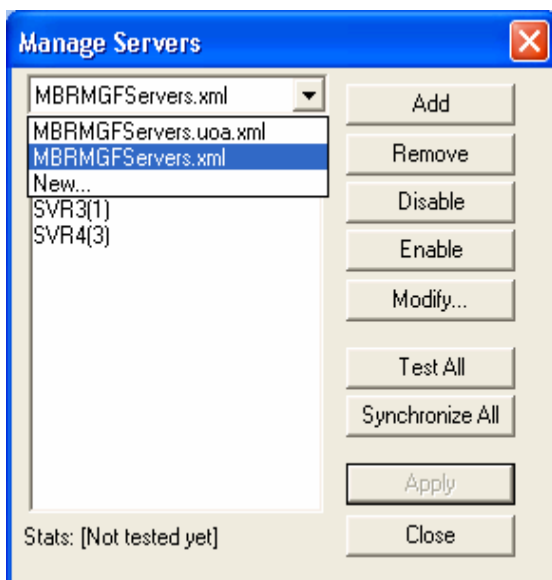


Figure 2: Manage Server Nodes

The MBRMGF is the culmination of many years of research and development into propriety technologies aimed at speeding up calculations in complex Excel spreadsheets that require intensive calculations under a multi-threaded environment.

Using propriety load-balancing algorithm, the MBRMGF offloads processor intensive tasks from a client machine onto a Server Farm within a local or wide area network, or over the internet. It allows you to utilize multiple distributed network resources - desktops, servers, etc. - to attain massive computing power. Any machine can be a grid node and so you could take advantage of desktop computing power that you have already purchased or even bring file and print servers that sit completely idle at night into the grid.

The MBRMGF thus gives you the ability to create spreadsheets with analytical complexities that previously would have been unworkable - you can enjoy manifold speed increase on your spreadsheets whether you are calling the MBRM Universal Add-in libraries or libraries you may have developed in-house. It is especially useful for high volume, processor intensive calculations, simulations and risk analysis where the manifold speed increases can be achieved over existing configurations. Users will retain the flexibility and



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familiarity of their usual Excel environment and spreadsheets without even needing to make any changes to their spreadsheets.

Mamdouh Barakat, Managing Director of MBRM, says:

*"I am very excited about our technical breakthrough in speeding up our users' recalculations where time is money. We have been researching this area for a number of years, and can now publicize the fruits of our extensive Research and Development in this area."*

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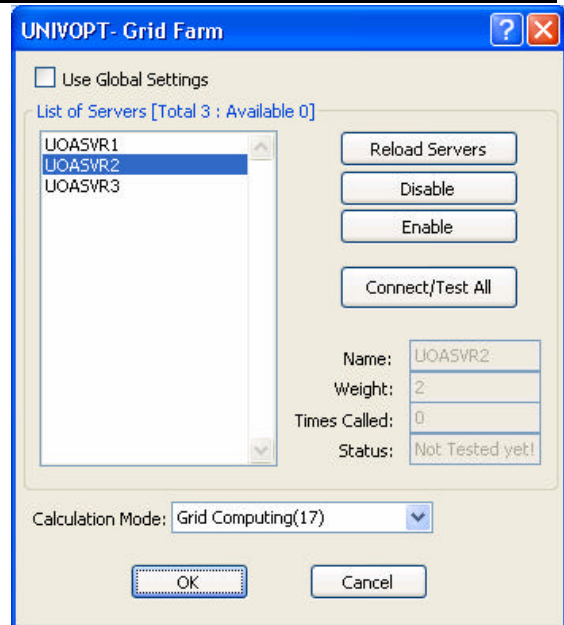


Figure 3: MBRMGF Settings Dialog in Excel