

## Excel that Scales™

### Joint Solution for Scalable Excel-based Applications in Oil & Gas

#### Business Challenge

Modern Oil & Gas companies struggle to improve Collaboration, Data Visualization and Digital Oil Field (DOF) capabilities. In a growing effort to save money while increasing productivity, these companies continuously strive to improve their analysis algorithms. Analysts, engineers and geoscientists are required to consolidate huge amounts of data from multiple sources which are geographically distributed – this data grows rapidly and needs a powerful and scalable In-Memory-Data-Grid to store it.

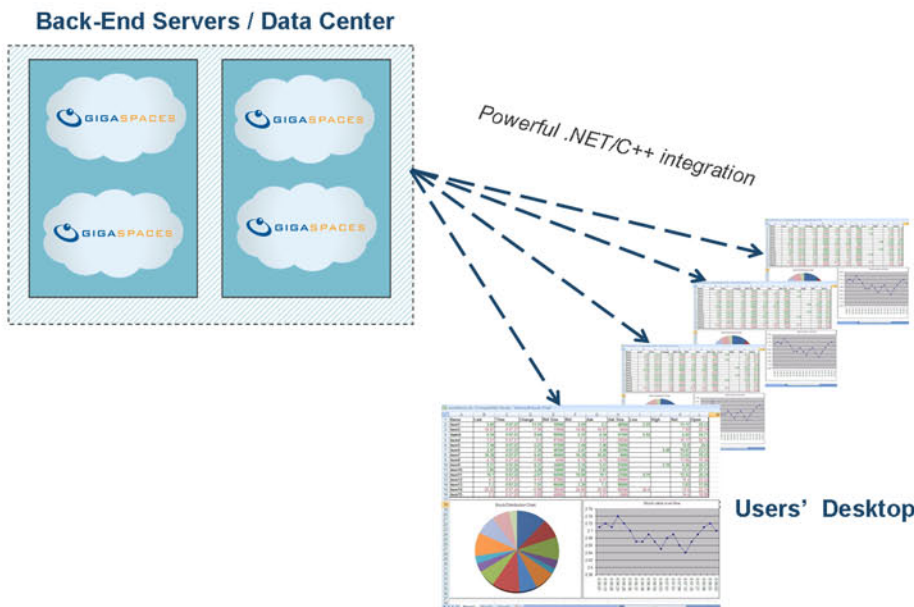
The results of this data consolidation are spreadsheets with massive amounts of data running extremely complex calculations overloading the user's desktop CPU. This data cannot be shared among multiple Excel users nor can it be scaled.

#### The Microsoft-GigaSpaces Solution

Excel That Scales™ is a joint Microsoft-GigaSpaces solution designed to improve availability, reliability and performance for high-end Excel users.

The solution provides two unique benefits:

1. Leverages the GigaSpaces' In-Memory-Data-Grid to move the data from the spreadsheets to the data center and access it at in-memory speeds.
2. Scales up the logic from local Excel instances to server farms closer to the data.



#### Benefits Summary

- Enable true collaboration between multiple Excel users (e.g., drilling engineers, geoscientists, analysts)
- Enable real-time decision making (e.g., analyze massive feeds from wells, reservoirs, etc in memory speeds)
- Improve productivity (e.g., do more risk/portfolio analysis runs per hour, eliminate desktop failures)

#### GigaSpaces at a Glance

##### What is it ?

GigaSpaces provides a next generation application server built on a unified messaging, distributed data-caching and parallel-processing engine. This grid-based middleware stack leverages Space-Based Architecture and shares a single, common runtime clustering model to “scale out” the enterprise.

##### Relevant Applications

###### Oil & Gas:

Risk/Portfolio Analysis, Seismic Modeling, Drilling, Reservoir management & modeling, Trading.

###### Other:

Financial Services, Telco, Government & Defense, Life Sciences, Travel & Logistics, and more

##### Benefits

- ✓ Improved Productivity
- ✓ Better Collaboration
- ✓ Real-Time Decision Making
- ✓ Scalable Data Visualization.
- ✓ Linear scalability
- ✓ Flexible & simplified infrastructure
- ✓ Guaranteed fail-over

##### Customers

CME, Sempra Energy, Société Générale, Dow Jones, Virgin Mobile and others

##### Scalable Excel-based Applications in Oil & Gas

Joint solution from Microsoft and GigaSpaces delivers unparalleled usability, performance, and scalability.