

RiskBurst

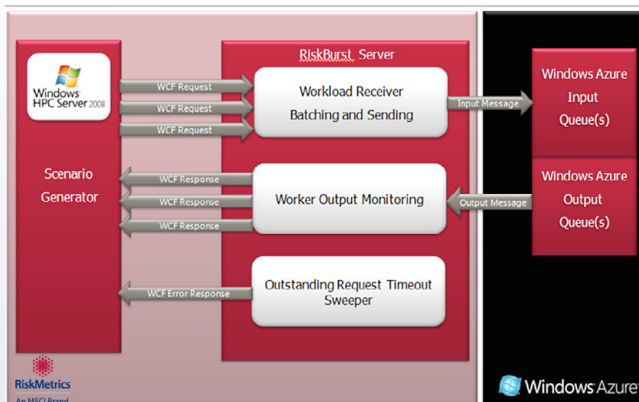
Flexible on-demand hybrid Cloud computing infrastructure

RiskMetrics RiskBurst is a hybrid cloud computing infrastructure that provides clients with a flexible yet cost-effective solution for massively scaled risk computation. With a combination of both low-latency on-premise processing speed and dynamic provisioning of additional cloud processing units, RiskMetrics RiskBurst provides a scalable framework to calculate the risk of extremely complex financial instruments.

Key Benefits

- » **Large scale simulation of complex instruments**
 - Provides clients the capability to perform large number of simulations on extremely complex instruments
 - Deals with notoriously complex Monte Carlo-squared simulations for complex structured asset classes
- » **Flexible hybrid structure between on-premise and cloud computing capabilities**
 - Low-latency, rapid financial calculation of financial instrument payoffs with on-premise infrastructure
 - At the same time, possessing sufficient scale to perform daily risk analysis load equivalent to calculating risk on 4 trillion US Stocks
- » **Architected to maximize throughput with cloud processing**
 - Parallel concurrency model, intelligent queues, and distributed data architecture minimizes Von Neumann Bottleneck
 - Work units optimized to amortize cost of IO against CPU time
- » **Resilient process topology**
 - Redundancy of components ensures robustness of overall architecture
 - Service Oriented Architecture provides abstraction to client-application and provides transparent failover mechanism

RiskBurst Workflow: Windows Azure & HPC Server



To learn more about RiskBurst:

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http://www.msci.com/products/risk_management_analytics/riskmanager/

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¹ As of March 31, 2013, as reported on July 31, 2013 by eVestment, Lipper and Bloomberg.