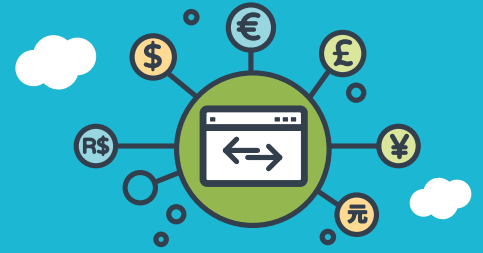


## XAP for Trade Execution

XAP In-Memory Computing ensures trading firms can find the best venues for trades by carrying out transactions with the speed and accuracy customers expect all while meeting regulatory demands. XAP In-Memory Computing provides the only complete end-to-end elastic application platform for online trading that meets or exceeds all of your online trading requirements - all while leveraging commodity hardware and the latest advances in fast data storage (SSD/Flash).



### Why XAP?

With XAP In-Memory Computing, you can:



Accelerate Time to Market/Value



Reduce CapEx and OpEx



Achieve High availability for Synchronous & Asynchronous Trades



Lower Trade Latency for Increased Profitability



Automatically Meet Peak Trading Demands (system elasticity)

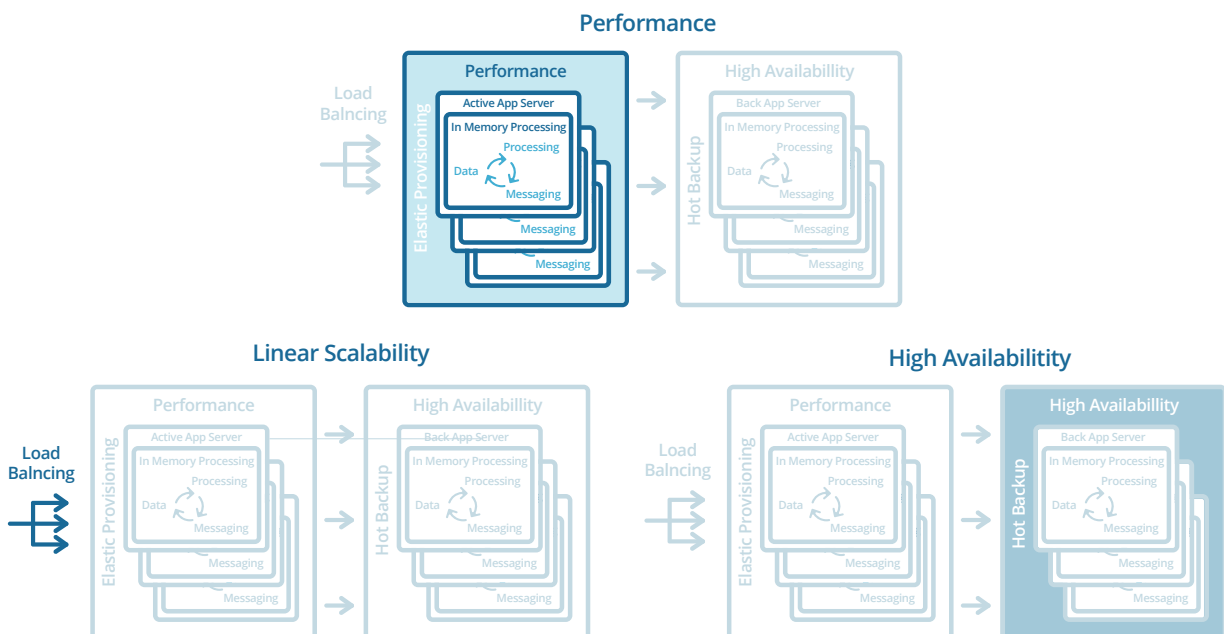


Easily Meet Regulatory Compliance Requirements

### How XAP Works

XAP enables your app to run entirely on a single platform with all the tiers collapsed into one container. The platform gives you fast data access by storing ALL your data in-memory, ensuring high availability and scaling your app automatically and on-demand. End-to-end elasticity enables all system components to scale as resource requirements increase.

During periods of peak load or through seasons of increased traffic, XAP dynamically expands your application onto additional physical resources – automatically and on-demand, to meet any SLA. Resiliency is guaranteed by in-memory backup within each container, and by mirroring data to a traditional database outside the runtime.



## Challenges



### Risk Optimization

XAP allows users to achieve compliance objectives while mitigating operational risk, fighting crime and optimizing returns.



Adopt transformational technology solutions that reinforce a simplified, streamlined and agile enterprise

to balance growth, efficiency and business resiliency in order to support new business innovation.

## Use Cases

### High Frequency Trading

- Extreme performance to avoid bottlenecks in pricing engines and order management systems
- Support wider range of back-testing strategies

### Agile Trading Strategies Deployment

- Optimize trading strategies in real-time while market is active
- Compare trading results with historical performance



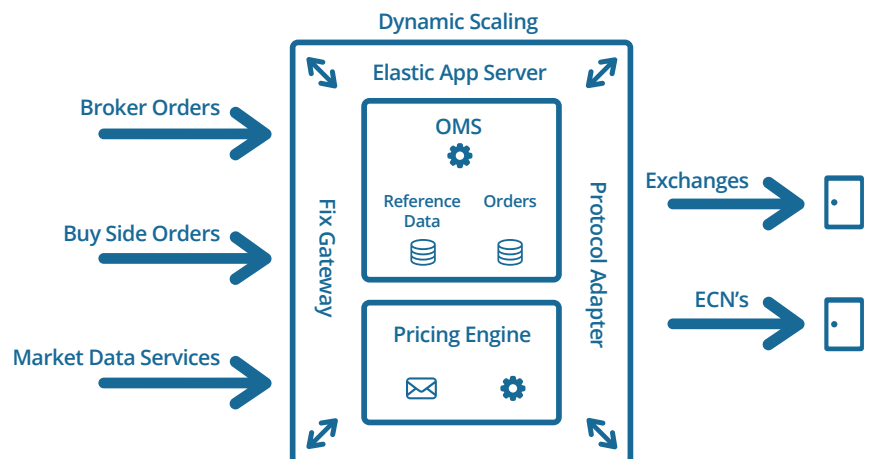
### Simplification of operational and technological complexity

XAP consolidates disparate sources of customer, product and transactional data into one unified dynamic model. It also organizes data as master data (MDM), consuming data feeds such as operational data, analytical data and real-time via standard interfaces.



### De-duplicate processes, deleverage & pursue componentization of technology

XAP separates data from applications, allowing simple application and data reuse across an enterprise.



## About GigaSpaces



GigaSpaces Technologies provides software middleware for deployment, management and scaling of mission-critical applications on cloud environments through two main product lines, XAP In-Memory Computing and Cloudify. Hundreds of Tier-1 organizations worldwide are leveraging GigaSpaces' technology to enhance IT efficiency and performance, from top financial firms, e-commerce companies, online gaming providers, healthcare organizations and telecom carriers.

GigaSpaces was founded in 2000 and has offices in the US, Europe and Asia. For more information, please visit [www.gigaspace.com](http://www.gigaspace.com) or our blog at [blog.gigaspace.com](http://blog.gigaspace.com).

