



XAP for E-Commerce

The past few years have seen an increase in mobile shopping, omni-channel retailing, and demand for personalized customer experience. This increase has forced retailers to face multiple scalability and performance challenges when using e-commerce systems. XAP provides an end-to-end solution empowering many top retailers through a cost-effective and highly scalable in-memory computing platform.



Dynamic provisioning
for fluctuating loads



High performance
for latency-sensitive environments



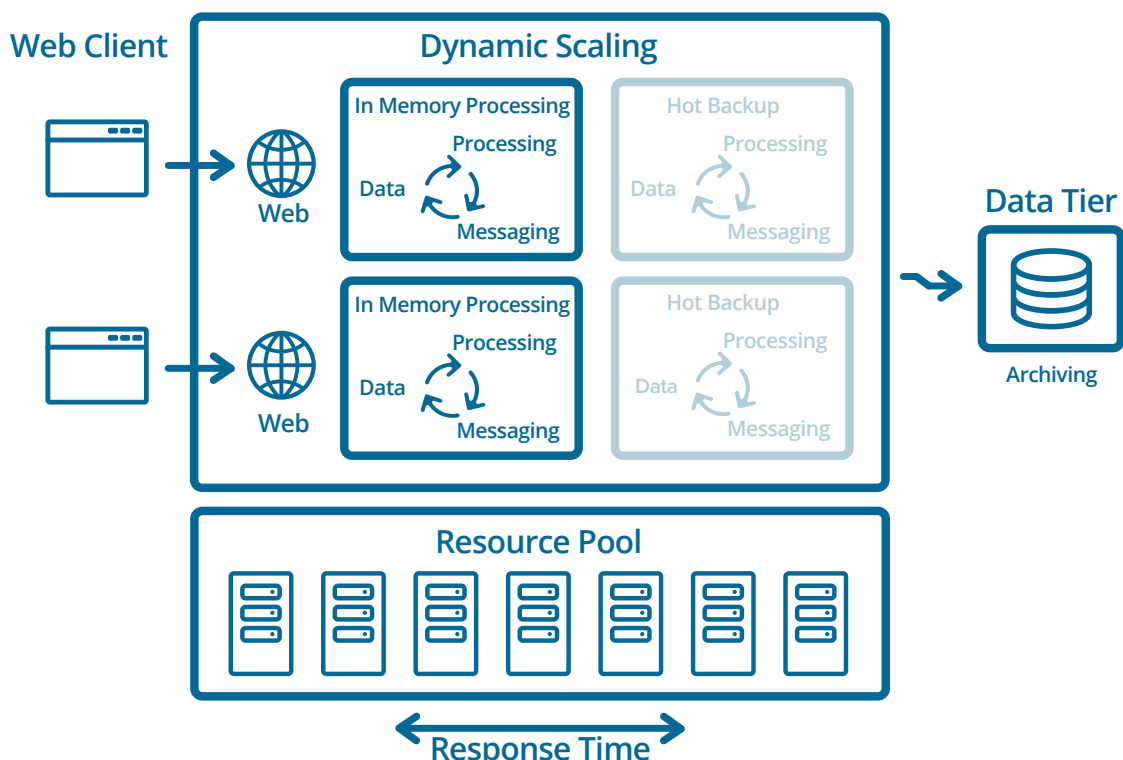
High availability
through automatic failover and self-healing



Cost effective
resource utilization & standardized management tools

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.



Challenges facing the world of E-Commerce

→ Increased Traffic During Holiday Events:

XAP Ensures Linear Scalability:

- In-memory data partitioning enables unlimited load-balancing
- Elastic provisioning of resources lets you scale up/scale down as needed

→ 360-Degree View of Customers

XAP can accommodate large data volumes from a variety of data sources:

- Rich support for extensible and schema-less data models
- Support for large-volume (double digit terabyte) storage through SSD and flash memory (MemoryXtend).

→ Redesigning an E-commerce Platform to Scale

XAP reduces time to market through seamless integration:

- Provides pluggable high performance caching adapters for major e-commerce platforms
- Smooth development learning curve through common software patterns
- Consistent deployment experience across physical data centers as well as cloud

→ Real-Time Personalization

XAP Provides Superior Performance:

- In-memory data: no physical DB in runtime stack; no physical I/O, no tier hops
- Parallel processing – no joins, increased efficiency
- Data-aware routing & multi indexing – faster queries, reduced time to analytics

Use Cases



Serving Holiday Traffic with no Downtime



Omni-channel Retailing



High Performance Caching for E-commerce Platforms



Real-time Personalized Shopping Enablement

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 or our blog at blog.gigaspace.com.

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