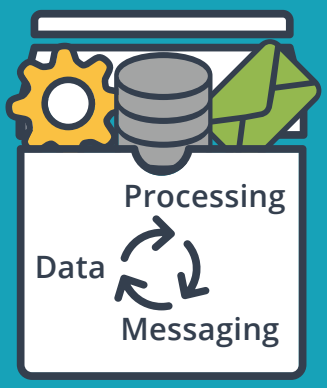
XAP
The In-Memory Computing Platform

Extreme Application Scaling for Real Time Business Insights

XAP is an In-Memory Computing platform that leverages fast event processing and data access to allow for extreme scalability. Process massive amounts of data in real time with GigaSpaces XAP.

XAP allows you to boost your application's performance without changing the underlying hardware, achieve better availability and uptime, and minimize your license and hardware costs.



Auto-scale your app
To meet any load

Millions of events
Processed per second

High availability
Guaranteed.

What you get with XAP In-Memory Computing:

- **More Bang for Your Buck:**
  XAP allows you to extract much more from your existing hardware. It solves performance bottlenecks by storing the data in-memory, close to the business logic. This eliminates transaction delays caused by physical I/O, disk access & network bandwidth issues, effectively gaining significant performance increases with the same hardware.

- **High Availability of Your System**
  XAP guarantees zero downtime for your application, with hot backup and automatic recovery from failure. Full transaction semantics allow you to achieve 100% data consistency even as failures take place.

- **Interoperability Out of the Box**
  XAP natively integrates with popular middleware stacks, relational and non-relational databases. It provides full interoperability between Java, C++ and .Net.

- **Cloud-Ready**
  XAP enables automatic and manual scaling of your application on private and public clouds. It enables quick & automated deployment of your XAP application onto any cloud.

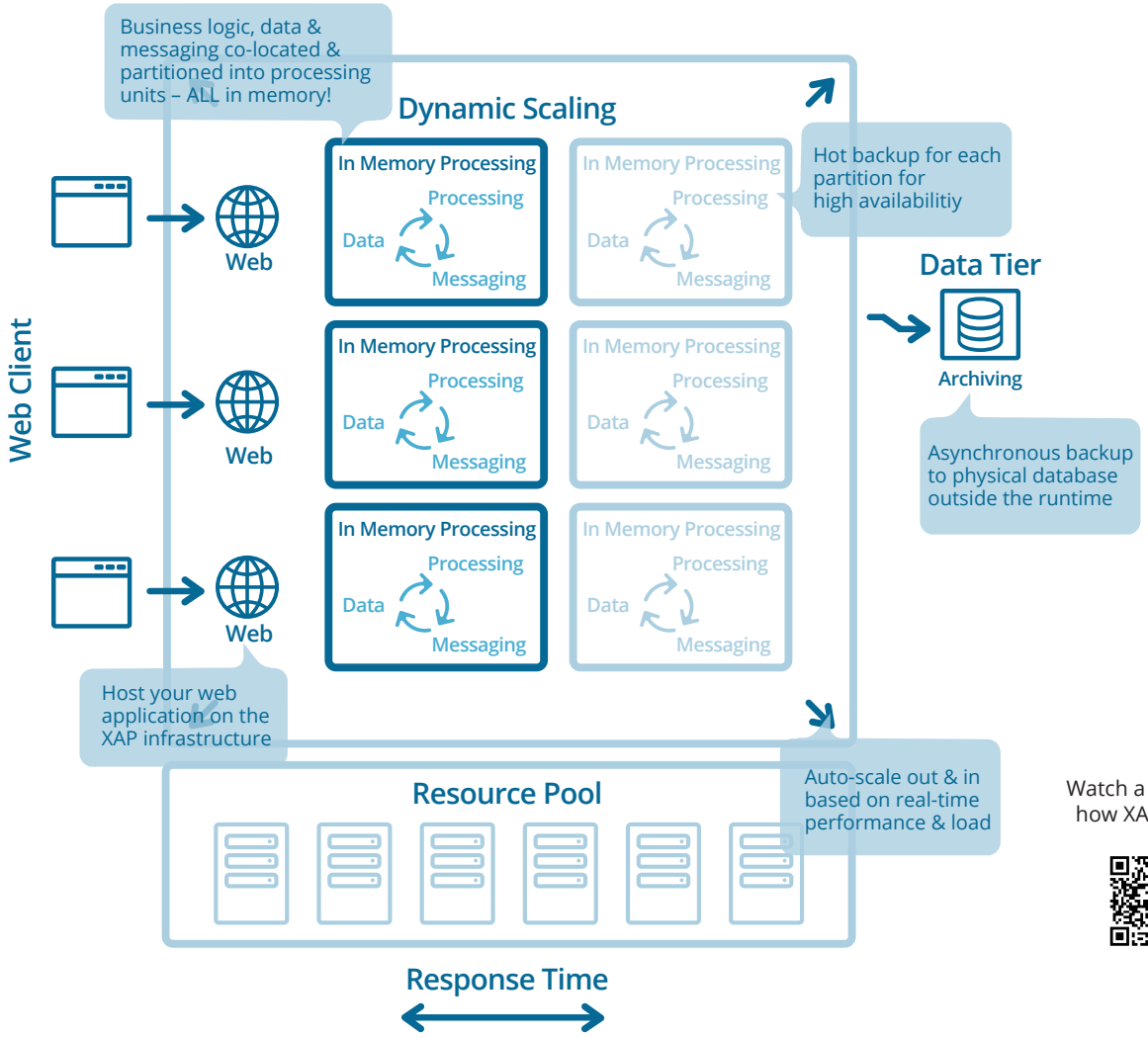
- **True Linear Scalability**
  XAP distributes data and events across the entire cluster, and enables you to collocate your code alongside your data. This means that no overhead is added to your business logic, and every node is a self-sufficient "processing unit" that does not depend on other nodes. Scaling your application is done by simply adding additional processing units.

- **Minimized Cost & Risk**
  XAP is a single, consolidated platform, with fewer moving parts. This means you reduce license, maintenance & upgrade costs, and spend less time on integrating and tying together all the pieces of your application stack.

- **Real Time Insights on Your (Big) Data**
  XAP's in-memory speed & dynamic scalability allow you to instantly process and make sense of any amount of data, no matter how fast it arrives to your application.

How XAP works

XAP enables your entire application – from the load balancer on the front end to the database on the back end – to run completely in-memory, with all the tiers collapsed into one lightweight application container. When the system needs to scale to meet increased loads, XAP dynamically expands your application onto additional physical resources. Resiliency is guaranteed with ongoing replication to other in-memory containers, and by asynchronously mirroring data to a relational / non-relational database.



Watch a video on how XAP works

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.gigaspaces.com or our blog at blog.gigaspaces.com.

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