GigaSpaces University: Education Offering

GigaSpaces University – The Best Way to Get Up and Running

Our training classes focus on designing your applications to be scalable and robust from day one. Using GigaSpaces XAP and Cloudify, you will learn best practices to make your application future-proof, and utilize the rich feature set of the products. You will do this by leveraging existing skills with popular frameworks and stacks.

We hold both public and on-site training classes. Public training is held regularly at different locations within the US and EMEA, whereas on-site classes are held on demand at your preferred location.

GigaSpaces University for XAP

Developers

XAP Developer Core Training

Designed to provide you with the knowledge required to build high throughput, low latency applications for scaling with GigaSpaces XAP.

Not only will you will learn how to code these applications, you will also gain a better understanding of how GigaSpaces XAP is a unique enabler of highly transactional, high volume, low latency applications, as well as exactly the types of architecture GigaSpaces XAP is best suited for.

- Space Based Architecture (SBA) Overview
- SBA compared to TBA
- Spring and the OpenSpaces Development Framework
- XAP Platform Components and Services
- Data Grid Concepts, modes and topologies
- Data access - writing and reading from the data grid
- Messaging Capabilities
- Running business services on the grid via the Service Virtualization Framework
- Transaction Management
- Persistency as a service
- Web Application Support
- Architectural Considerations

XAP Developer Advanced Training

Designed to provide you with the knowledge required to build high throughput, low latency applications for scaling with GigaSpaces XAP.

This training will teach you how to use the most advanced features of the platform and how to make the best use of the platform for your system's needs.

- Advanced data grid concepts and topologies
- Advanced messaging
- Advanced processing unit configuration
- Advanced Processing Paradigms
- Advanced persistency
- Advanced Web Application Support
- Security
- Replication over WAN

Administrators

XAP Administration Training

Introduces the core concepts of GigaSpaces XAP and best practices for installing, administrating, monitoring and troubleshooting the GigaSpaces XAP platform.

- XAP Concepts
- Services and Components
- Runtime Environment
- Administration and Monitoring Tools
- Logging
- Networking
- Installation and Validation
- Configuration and Deployment
- Troubleshooting
- Security
- Administration and Monitoring API

GigaSpaces University for Cloudify

Cloudify Core Training Teaches application-oriented developers and administrators how to configure and use GigaSpaces Cloudify to automate deployment, monitoring and management of their applications in a cloud environment.	● Cloudify Concepts ● Installation and Configuration ● Web Dashboard and Command Line Interface ● Configure Application Recipe and Lifecycle Events ● Configure Cloud Driver ● Application Deployment, Monitoring and Management ● Automating HA and Application Scaling ● Administration and Troubleshooting
Cloudify Developer Training Extends the Cloudify Training to provide application-oriented developers with in-depth knowledge needed to customize or write their own application recipes, monitoring plug-ins and cloud drivers.	● Cloudify Core Training ● Introduction to Groovy ● Application and Service Recipe Development ● Language Features, Patterns and Best Practices ● Writing Event Handlers ● Service Context API ● Adding Custom Commands ● Developing Custom Plug-ins and Probes ● Cloud Driver API

GigaSpaces University Workshops

Designing for Massive Scalability in the Cloud Learn how to design your enterprise systems to be highly-available and linearly-scalable under massive loads and challenging low-latency requirements with GigaSpaces platforms. This workshop will give you the tools to achieve this by employing proven patterns used by massively-scalable systems such as Google, Amazon, Twitter, and Facebook, and leverage the most recent developments in scalable architectures, such as Map/Reduce, NoSQL, and Big Data.	● Learn how to build your enterprise system using open-source stack such as JBoss, Tomcat, Cassandra and HBase, making the end-to-end stack highly-available and scalable as a single cohesive solution. ● Learn how to onboard your end-to-end stack to a cloud of your choice while keeping your system cloud-agnostic. ● Learn how your production system can be migrated in a gradual and controlled way from legacy architecture to a scalable future-proof architecture, using simple methodology and best practices. ● Examine various common meta-use-cases seen across enterprise systems in E-Commerce, Financial Services, Telco, Healthcare, and others, and discuss effective architectures to satisfy these use cases.
Real-Time Analytics for Big Data Do you have a Big Data system with streaming data? Do you need to perform real-time analytics on the streaming data? Have you realized that today's solutions like Hadoop and others cannot provide the real-time portion of the analytics you need? Have you wondered how the big guys, such as Google, Twitter, and Facebook do it? If you answered yes to any of these questions… This is the workshop for you!	● Review common patterns and architectures that drive Big Data platforms. ● Learn how to build a Twitter-like analytics system in a simple way using frameworks such as Spring Social, Active In-Memory Data Grid for Big Data event processing, and a NoSQL database such as Cassandra or Hbase for handling the management of historical data. ● Examine a Twitter analytics reference application, down to design and the code levels.

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ABOUT GIGASPACES

GigaSpaces Technologies is the pioneer of a new generation of application virtualization platforms and a leading provider of end-to-end scaling solutions for distributed, mission-critical application environments, and cloud enabling technologies. GigaSpaces complementary solutions are XAP Elastic Application Platform and Cloudify - Easy Deployment of Mission Critical Applications to the Cloud.

GigaSpaces is the only platform on the market that offers truly silo-free architecture, along with operational agility and openness, delivering enhanced efficiency, extreme performance and always-on availability. The GigaSpaces solutions are designed from the ground up to run on any cloud environment – private, public, or hybrid – and offer a pain-free, evolutionary path to meet tomorrow's IT challenges.

Hundreds of organizations worldwide are leveraging GigaSpaces' technology to enhance IT efficiency and performance, among which are Fortune Global 500 companies, including top financial service enterprises, e-commerce companies, online gaming providers and telecom carriers.