

Java Cloud Migration Services

The Java ecosystem is very broad, with different technologies including Java SE, Java EE/Jakarta EE, Spring, numerous application servers and other frameworks. Wherever you are in Java, Azure supports your workload and process with an abundance of choice – from IaaS to fully-managed services. You can run any application architecture, from monoliths, to containerized monoliths, all the way to completely microservices-based apps.

We see two broad patterns for running Java applications in the cloud, depending on how much control or productivity you need.

The first is lift and shift with virtual machines:

VMs provide the most flexibility, control and visibility while moving to the cloud, especially for initial lift and shift of Java workloads. Azure provides a variety of Java-focused VM images and solutions templates in the Azure Marketplace to get you up and running quickly.

The second is modernization using containers:

Containers provide portability, flexibility, scalability, manageability, repeatability and predictability. Azure provides best-of-breed support for Docker and Kubernetes, especially through the Azure Kubernetes Service (AKS) or Kubernetes-based hybrid solutions on top of Kublr (Kublr.com). Finally, Azure has the most managed hosting options for Java applications of any major cloud platform with fully-managed PaaS for Spring, Tomcat, and JBoss EAP: Managed services offer ease-of-use, ease-of-management, productivity and lower total cost of ownership. You can focus on building your applications, not managing infrastructure.

All of this is supported by managed databases and DevOps tooling: Usefully managed SQL and NoSQL databases, including PostgreSQL, MySQL, Cosmos DB and SQL. Keep using the tools you love, with plugins for IntelliJ and Eclipse, integrations with a variety of DevOps tools like Maven, Gradle, Jenkins and GitHub.

OUR OFFERING:

EastBanc Technologies will provide an assessment of your Java-based services and product infrastructure providing an in-depth look at:

- Code quality
- Software architecture patterns
- Hosting infrastructure
- Security practices
- Software development processes
- Technical debt

Upon completion of the assessment, we will deliver the following:

- An actionable high-level evaluation of strengths and weaknesses, outlining a conclusion about system maturity and Cloud readiness. The report is tailored to an executive audience.
- A detailed list of identified risks in existing solution and potential mitigations.

- Detailed analysis of specific software development topics with findings and recommendations

The detailed analysis will focus on the following topics:

Architecture

- Validation of current architecture
- Used components, patterns and their constraints
- Plans for deprecation
- Separation between tiers
- Options for Cloud migration

Infrastructure

- Infrastructure components in use (Cloud vs. Hybrid)
- Fault tolerance and disaster recovery
- Single points of failure
- Vendor-specific/cloud provider-specific components

Scalability

- Vertical/Horizontal scaling
- “Sharding” by customer

Cost

- Ratio of feature development vs. technical debt reduction
- Cloud hosting cost saving options

Why Choose EastBanc Technologies?

- We are a Gold Certified Microsoft Partner in Cloud Platform and Application Development competencies with many Azure certified software engineers and architects
- We have seen it all and done it all. Our exposure to various technologies, industries and project sizes as software developers is unmatched.
- The evaluators we assign to perform technical due diligence are software engineers who routinely build software systems for others.
- For more than two decades, we have focused on state-of-the-art approaches to modern software development, meaning we know what works, what does not and what is too risky.
- We understand this process from both ends of the table. We know how to report our findings in a way -- and with a level of detail -- that enables our clients to obtain a clear understanding of the issues at hand.

Ready to start your digital transformation? We are here to help. [**Drop us a note**](#), and one of our experts will get back to you.