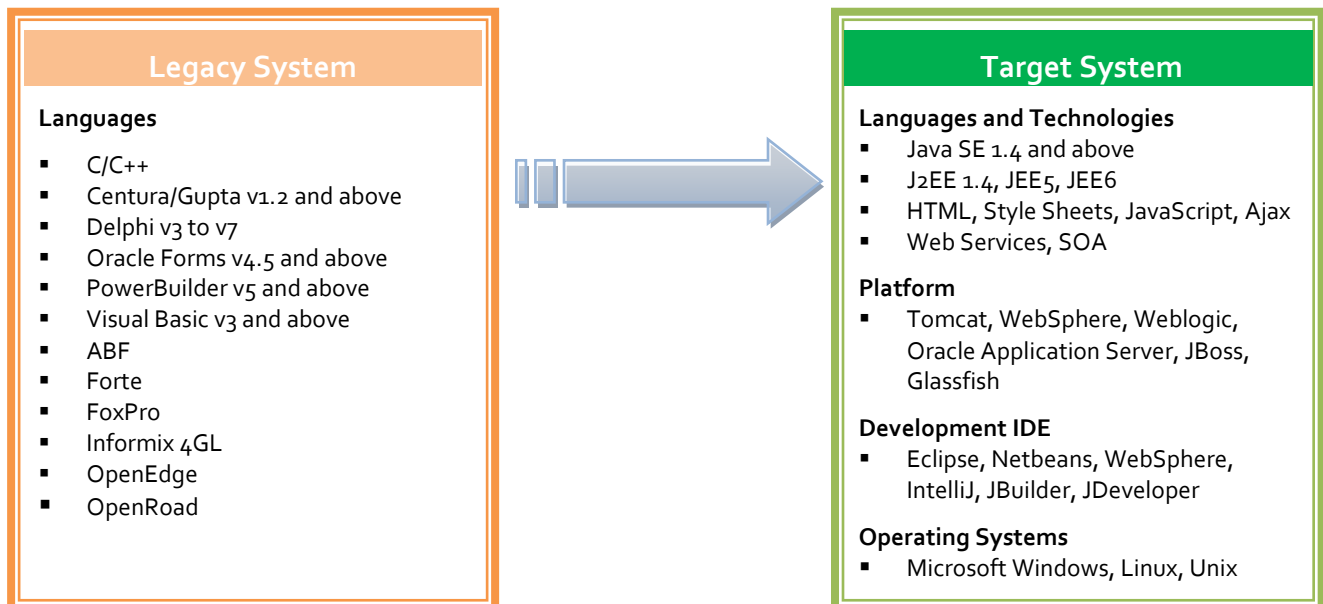


Metex Java Solutions

Enterprise Legacy Application Modernization

Modernizing Legacy Applications to fit your Specifications

Metex provides the most comprehensive and complete support for modernizing a wide range of legacy applications into modern N-Tier Java architectures. Working closely with each customer, Metex defines and collects their specific coding, security, architecture and framework requirements and then selects and configures our advanced suite of in-house tools to regenerate and re-architect a modernized application which meets these unique corporate standards.



Metex offers the industry's most flexible choice of architecture options for both Java and .NET including multiple choices for client interfaces, database connection methods, external DLL handling, security, report solutions, and many others. Metex utilizes a suite of proprietary Business Intelligence and Code Mining tools for each application layer (data access, business logic and user interface) to re-engineer and re-architect the application to the client's desired architecture and coding standards. The Metex solution is based on application modernization, a process that delivers higher quality code and more architectural flexibility than a standard application migration. Metex's solution provides a completely new code structure in pure, native-style Java or .NET that retains no characteristics of the original source language structure.

Metex Java Solutions

Enterprise Legacy Application Modernization

Java Modernization Options

User Presentation/Client Options

- Web: HTML with Ajax.
- JSP/JSTL, options of: Spring WebFlow, Spring MVC or Struts
- JSF/facelets
- Portlets
- Java Web Start: SWT, RCP or Swing
- Desktop Client: SWT, RCP, or Swing
- Web Browser Plug-ins: Flex
- Mobile Devices

User Presentation Enhancements

- HTML/DHTML, CSS, JavaScript (jQuery, DOJO), Ajax (DWR, AJAX4JSF), Client specific JavaScript and AJAX libraries
- Templating frameworks (e.g. struts tiles, facelets templates)
- Layout managers

Middle Tier/Business Logic/Services Layer

- POJO classes
- EJB/Session Beans
- Spring inversion of control container
- Web Services/SOA

Data Access Tier /Persistence Layer

- JDBC, Spring JDBC
- JPA/Hibernate with native SQL
- JPA/Hibernate with JPQL/HQL
- Connection Pools
- Declarative transaction support

Programming Standards

- 3-Tier, N-Tier architecture
- General and Java design patterns
- Localization and internationalization standards
- Exception handling
- Logging (Log4J)

3rd Party Frameworks

- Spring, Struts, Seam, Hibernate

Security

- Single Sign-on
- Spring or EJB Security

Third Party DLL and Integration

- JNI Wrapper (default for Windows)
- Rewrite in Java if source code is available
- Replace legacy libraries and components with current alternatives

Reports and Document Generation

- Reports: Crystal, Actuate, Business Objects, Jasper, Microstrategy
- MS Office: Apache POI, Aspose.Words for Java, J-Integra, Northbit JFO

ABOUT METEX

Metex started business in 1989 as an enterprise application development company, successfully completing numerous 4GL client\server applications for global government and commercial clients. In 1999, Metex recognized that the market was moving away from client\server to web-based architecture and made a significant investment to create advanced technology which transforms legacy client\server applications to high quality n-tier solutions in Java or .NET.

Today, Metex has become a leader in application transformation and modernization solutions. Metex's technology suite includes advanced, code mining, and business intelligence tools coupled with project management and control software to keep large modernization projects on track with progress transparent to the client. In addition, Metex has developed a tried and true methodology which ensures a successful project delivery.