

Create highly interactive and intuitive web applications with the same richness and functionality as desktop applications but with the reach of the browser. XTT is a pure Java, standards-based, application construction environment that automates creation of thin-client Rich Internet Applications (RIA) without the need of proprietary plug-ins or downloads.

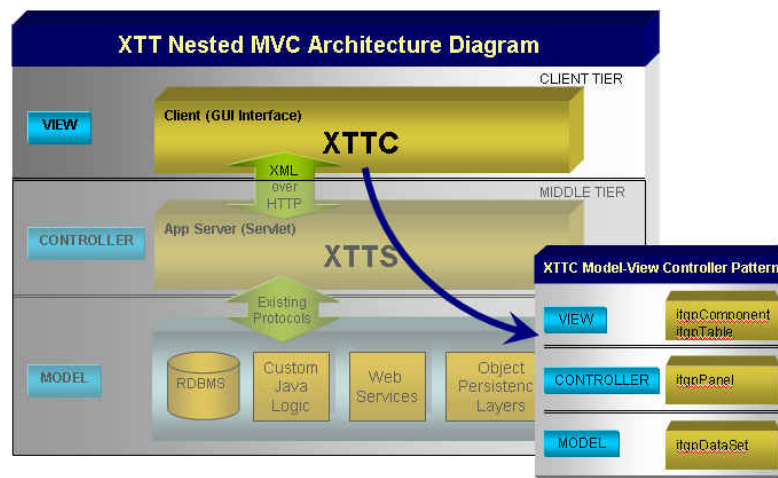
XTT Features

- Pure Java, native SWING, GUI development environment specifically designed for RAD development of smart, RIA's with complex workflows and data management.
- Unified XML-based Data Model facilitates data access and presentation from a variety of data sources including RDBMS, Web Services, Object Persistence layers including JDO (Java Data Objects) and Hibernate, and even Property Files.
- Plugs in or integrates with all leading Java IDEs including: Eclipse, WSAD, NetBeans, Sun Java Studio, JBuilder and JDeveloper.
- VB-like development environment utilizing point & click, drag & drop and time saving wizards.
- Stand-Alone (Off-line) processing with resynchronization to data sources.
- Compatible with visual development environments utilizing UML. Extend UML models to dynamically create distributed web interfaces in a fraction of the time of hand-coding.
- Light weight, distributable architecture minimizes network traffic by sending only data (not forms) between the client and application server.

Benefits for Developers

- Fast and easy to implement
- Standards based - 100% Java/XML. No proprietary languages to learn
- Quickly develop real working prototypes
- Uses JVM to render the GUI - eliminating the need to test compatibility on different platforms
- Delivers "Clean Killer Java code" prototypes
- The XTT data communication 'tunnel' to and from the Java Client uses XML over HTTP/HTTPS eliminating the "fat client" problems of RMI development

Figure 1: XTT- Nested MVC Architecture



Benefits for end-users

- Better and more intuitive user interfaces – easy to navigate – no more clicking “next, next, next” through screens while waiting for a response
- Multi-window views (MDI frames)
- Highly functional Pop-up grids and Pull down menus
- Rich thin-client forms average only 10 kb in size
- Tab panes, grids, tables, scrollbars, buttons, and tree controls and other common desktop UI components. ANY Java component can easily be extended to be data aware and used with XTT
- Drag and drop between fields
- Streaming of data similar to the concept of streaming video for large record sets over smaller bandwidth connections
- Real time field validation and calculations no need to make a call to the server
- Desktop application look and feel designed for highly transactional applications
- The XTT architecture takes advantage of the scalability of the app server thereby inherently yielding highly scalable applications
- XTT applications can function without being connected to the Internet. When a connection is available the application can then synchronize its data with the server
- Applications can be deployed in a browser (applet) or via Java Web start as a desktop application

Reduced Deployment Costs

- No Client installation required – runs in the JVM
- XTT is a pure Java environment (not JavaScript or HTML), as a result, solutions developed in XTT can leverage the vast power of Java while running anywhere Java can - without modifications

Reduced Total Cost of Ownership (TCO)

- XTT leverages SOA based architectures by providing seamless integration with disparate data sources including; Relational Databases, Web services, and **New** in XTT v5.0 full remoting of Objects from leading Object Persistence layers such as JDO, and Hibernate.



NEW in v5.0

XTT is not an IDE rather it extends the capabilities of leading Java IDEs including; NetBeans, Eclipse, Sun Java Studio, JBuilder, and **New** in v5.0 IBM WSAD

- XTT Forms can either be developed using the XTT Form or Object Wizards to rapidly create UIs using an intuitive Point-and Click interface. **New** with v5.0 is the XTT Visual Form Generator that enables business analysts to create Form models in UML and then generate the whole application at one time.
- XTT wizards provide rapid and robust one-way development, however with the **New** XTT Visual Form Generator the ‘save state’ feature allows developers to come back to the model and make necessary changes and simply regenerate the form
- Lower maintenance costs (i.e. when using Java Web start for deployment)
- Dramatically reduced development time
- XTT manages all the ‘plumbing’(data marshalling and synchronization) – developer can focus on the business logic and the end-user look and feel rather than the communication infrastructure
- Significantly reduces runtime bandwidth requirements – once an application is downloaded to the client only changes in the data travel across the network via XML over HTTP