



FMW Web

Financial Manager's Workbench - Web edition

FMW Web is uncompromising both in delivering a rich user experience and in its use of an advanced web-based technical architecture for superior scalability, security, performance and flexibility.

Combining a rich user experience with an advanced web-based architecture.



FMW Web is an advanced Rich Internet Application (RIA) developed using the Java system on both the Client and Server tiers. Java (a technology from Sun Microsystems) is an industry-standard, mature and highly functional system development platform, suitable for both client and server development in a web-based environment. It has the added advantage of being a cross-platform technology, so software developed with Java can operate on all major operating system platforms, such as Microsoft Windows, Apple OS/X, Linux and Unix. While the vast majority of environments in which FMW operates will run Windows on the Client tier and probably Windows on the Server tier (the Data tier is more likely to run a DBMS on an operating system other than Windows than the other tiers), Linux and Apple OS/X are becoming important platforms in some environments.



Key Features

- **End-to-end java.** FMW Web utilizes the latest Java technology (Java 6) on both its client and server (middle) tiers. This technology allows the delivery of a rich user experience on the front-end along with all the well known benefits of using Java on the server. The cross platform capabilities of Java mean that a variety of operating systems such as Windows (including XP and Vista), Linux, Unix and Mac OS/X can be accommodated.
- **Zero installation deployment.** All that is needed on the client is a browser with an updated Java plug in. No other software is installed on the client machine. A technology called Java Web Start is used to dynamically deliver the updated Java code from the server to the client JVM for execution, which is completely transparent to the user, and guarantees that the most recent, centrally-installed client software is always executed.
- **Web-services architecture.** FMW Web is built from the ground up around a web services paradigm. Communication between the client and server tiers is currently achieved using serialized Java objects over HTTP. Selected transactions will also be made available in a SOAP-XML format in the future.
- **Rich user-interface.** Along with its fully web-based architecture FMW Web includes a rich, polished, “office-like” user interface. For applications such

as these which involve heavy data manipulation and modeling, crude HTML-like user interfaces are simply not sufficient.

- **Industry-standard server tier.** The server (middle) tier uses industry standard Java Enterprise Edition (J2EE) Servlet technology. This means the software will run on just about any application server that implements this standard technology. An open-source application server is delivered as a default.
- **Advanced server features.** Advanced features on the server tier include session management, cache management, SQL management, lock (concurrency) management, job scheduling, and localization management. Graphical UI’s are provided to the system administrator to manage and monitor all these aspects of the technical environment.
- **Add-ins.** FMW Web incorporates an advanced add-in architecture. This allows custom business logic to be attached to the system, and accessed by users, through the security system, as with any native function. This makes FMW Web a uniquely extensible system.
- **Industry-standard database support.** The database management systems currently supported are Oracle 10g and SQL Server 2000 / 2005. The software has been developed in a database-agnostic fashion which will allow the rapid extension of support to other DBMS’s as needed.

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