



# Atomikos TransactionsEssentials®

> An open source transaction management system for functional testing of transaction processes outside of the application server.

## About Atomikos

Atomikos is a market leader in transaction management for XTP, SOA and open source environments. Atomikos' software safeguards your critical transactions and prevents costly data loss in the event of a system failure or crash by automating the cancellation of failed business transactions.

For more information visit our website at [www.atomikos.com](http://www.atomikos.com) or contact us at [sales@atomikos.com](mailto:sales@atomikos.com).

## TransactionsEssentials®

For system architects and developers in the open source community and software engineering educators who need basic transaction process monitoring capability, Atomikos TransactionsEssentials® is an open source version of our transaction management system offering basic support for JDBC/XA pools, JMS/XA pools and JTA/XA to enable functional testing of transaction processes outside of the application server.

TransactionsEssentials® is simple to install, implement and use and requires no additional services.

## Key Benefits and Value

- > Easy to Download and Use
- > Ideal for Education Projects
- > Explore transaction services in an educational setting without incurring commercial software licensing costs
- > Improve the Reliability of Open Source

- > Development Projects
- > Build mission critical reliability into open source projects
- > Reduce the Costs of Prototyping
- > Develop fully featured and reliable prototypes of software applications without incurring commercial costs.
- > Test Outside the Application Server
- > Leverage transactional services in test scenarios without minimal risk to the business. TransactionsEssentials® allows you to build a realistic and complete test environment that mirrors your production environment.
- > Backed by an Active Community  
TransactionsEssentials® is mature technology, field tested for a variety of configurations and large platforms, and backed by Atomikos' commitment to open source.
- > The product is freely available from the Atomikos community for download.

## Key Features

### > Supports J2EE

No need for an application server.

### > Java Transaction API (JTA/XA)

Defines transactions in Java™.

### > Java Database Connectivity (JDBC)

Built-in connection pooling supports virtually any vendor driver and offers optimal performance.

### > Java Message Service (JMS)

Enables the use of any queuing system with JMS capabilities.

### > Full recovery

Recover from system crashes or restart without compromising data integrity or correctness.

### > Read-only optimization

Minimize overhead required for read-only transactions.

### > Nested (sub)transactions support

### > Intra-VM

Runs inside your application's Virtual Machine for maximum performance and ideal scalability.

### > Integrates with Spring, any Java application or web application server

### > Event-driven

Permits automatic forwarding of incoming JMS messages to your application.

### > Professional Support & Maintenance

Available by upgrading to Atomikos' commercial software product, ExtremeTransactions®.

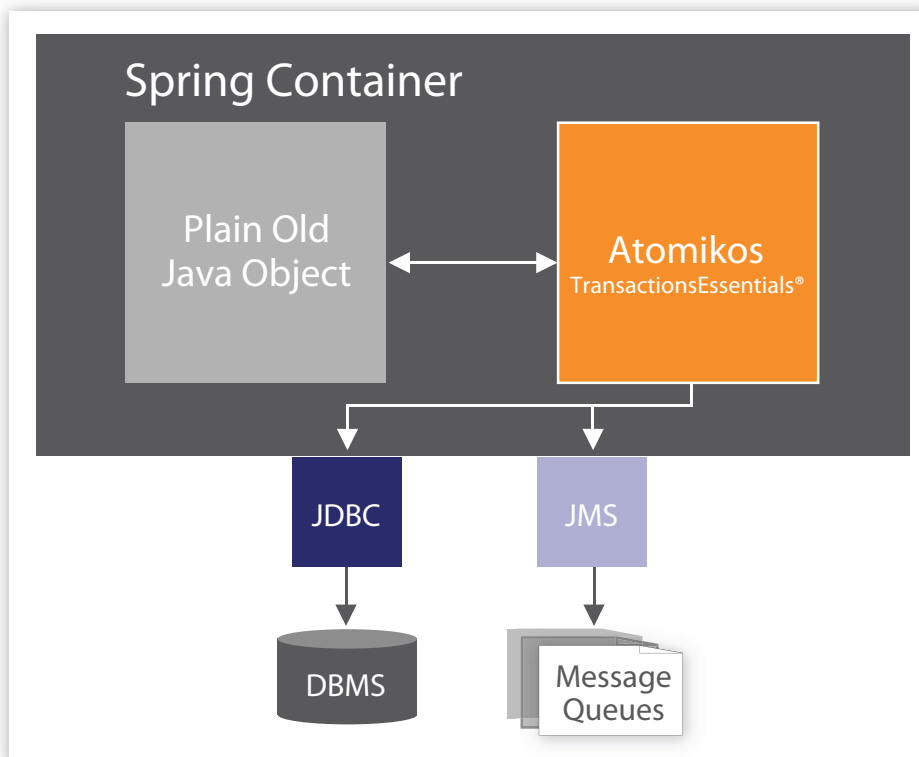
## System Requirements

- This product works on all platforms.
- Java virtual machine (JVM) of version 1.4 or higher is required.
- At least 128MB of RAM is recommended.

## Related Products

For CTOs, architects and developers in Extreme Transaction Processing (XTP) or Service Oriented Architecture (SOA) environments where data quality is mission critical, Atomikos ExtremeTransactions® is a commercial software transaction management system that automates and manages both simple and highly distributed transaction processes, preventing costly data corruption in the event of a system failure or crash. Unlike first generation tools from IBM and Oracle, Atomikos' next generation transaction management software is optimized for today's Java-based technology environments. For XTP, Atomikos offers J2EE without the need of an application server, and for SOA, its patent-pending TRY-CANCEL/CONFIRM (TCC) approach is ideal for two phase, compensation-based transactions.

## Atomikos TransactionsEssentials® Open Source Transaction Management



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