



# Trifork T4

## J2EE™ 1.4 Compatible Application Server

Trifork T4 Application Server provides a comprehensive platform and infrastructure for building, deploying, securing and managing distributed applications for Java 2™ Enterprise Edition. Trifork's continued and strong commitment to providing standards-conformant application server software delivers superior value at reduced cost.

Increasingly, the cost of developing information systems is directly related to the time it will take developers to complete the system. With today's increasingly complex programming tasks it is becoming more and more important to provide environments that will increase developer productivity.

### Developer Productivity

Trifork T4 goes a long way to provide developers with an environment that ensures an efficient development process; making sure the application server is never "in the way".

- Reduced turn-around times, the compile-link-run cycle, obtained by facilitating hot-deployment in which the application server will pick up changes in the application directly from the build environment; there is no need to re-construct complicated deployment archives before changes can be effectuated.
- The amazingly low memory footprint of the Trifork T4 Application Server allows developers to easily run the application server, database and other development tools directly on the computer used for development.
- All aspects of the server configuration and management are accessible using Jakarta Ant scripting; providing for convenient and traceable sharing of server configurations. You can store server configurations in your source code version management system such as CVS or Visual SourceSafe.

These features help reduce the total cost of software development while also making it much more enjoyable to be a software developer.

### Embeddable Solution

The simple fact that both the installation and runtime sizes for Trifork T4 are significantly below the competition makes Trifork T4 an ideal candidate for embedding into other systems.

Trifork T4 is particularly suited for repackaging and redistribution, as part of third party solutions and software providers' offerings. One example is the installation procedure for Trifork T4, which can seamlessly integrate into third party product installations.

Further, all management operations for Trifork T4 are accessible by programmable APIs through Java Management Extensions and other J2EE™ interfaces; thus the application that embeds Trifork T4 can control all aspects of the live server without the end-user ever knowing the application server is even there.

*"Replacing the Tomcat Servlet Engine with Trifork T4 has improved the NPS portal and content-management system significantly"*

Bernd Völcker, CEO  
Infopark, Germany

### The Simple Choice

Trifork T4 provides a complete J2EE™ 1.4 compatible application server, including everything needed to develop and deploy applications in even the most demanding situations.

The product includes a set of advanced high-performance JDBC drivers from DataDirect™, integration with all leading JDO providers, and all the tools and interoperability mechanisms needed to integrate your application with your existing enterprise infrastructure.





# Trifork T4 Application Server

## Features and Benefits

### Developer Productivity

In-place hot deployment option providing ultra-fast development turnaround	Dramatically reduces the time from a developer makes a change in a program until she can see the change in the actual execution environment.
Low memory footprint and blazingly fast server startup	Allow programmers to easily run the full application server, supporting database, and other tools on their development machine.
All configuration and management operations are scriptable.	Lets developers easily share server configurations, by avoiding point-and-click configurations that are difficult to maintain and compare.
Low-overhead profiler built-in.	Trifork's unique built-in profiler allows programmers to analyze and evaluate program bottle necks even in production environments.

### Java Programming Model

Full support for Servlet 2.4 and Java ServerPages 2.0	Complete high-performance platform for developing and deploying enterprise-class web applications.
Enterprise JavaBeans™ 2.1 and Java Message Service 1.0.1	The most up-to-date version of these popular programming environments for building scalable business-logic-rich applications.
Full J2EE™ 1.4 Compatibility	The comprehensive J2EE component model that will let you integrate business applications with all standard infrastructure systems.

### Web Services

JAX RPC 1.0, JAXR and SAAJ	Standardized Java-based application programming interface for accessing web services across your enterprise.
Full support for SOAP 1.1, WSDL 1.1, and WS-I Basic Profile 1.0	International standards for wire-level interoperability; including support for RPC Encoded, RPC Literal and Document Literal encoding models for extra interoperability.
Includes UDDI Registry	Discover and categorize web services and resources in heterogeneous environments.

### Security

Basic authentication, Digest authentication and SSL/certificated based login.	All the basic needs for today's web applications; provides a complete infrastructure for managing users, user roles and their rights in your applications.
CORBA interoperability with CSiv2 wire-level security.	Safely integrate enterprise applications across the network by securing sensitive data using the Common Secure Interoperability CORBA protocols.
JCA and LDAP integration.	Provides sophisticated integration with Java Cryptography Extensions for supporting multiple digital key stores, certificate based login and integration with enterprise user databases.

### Portability

Multi-operating system support	Linux™, Solaris™, Windows™, AIX™, Mac OS X™ and others.
Database support with included high-performance JDBC drivers	Oracle*, DB2*, MS SQL Server*, Informix*, MySQL, PostgreSQL and other JDBC-compatible databases. (*) Indicates driver bundled with product.
Pure Java implementation lets you leverage your existing hardware investment.	The Trifork T4 application server does not include any "native code"; program fragments that depend on particular operating systems or processors, and can therefore be deployed on any Java 2™ Standard Edition 1.4 compatible Java Virtual Machine.

### About Trifork

Since the very inception of Java 2™ Enterprise Edition, Trifork has been an provider of J2EE™ related products and services. Trifork meets the market primarily through ISVs and large consulting and services organizations for which Trifork's application server Trifork T4 is the foundation for Trifork's information system offerings. The company complements its partners' project skills in consulting development and deployment of large-scale mission-critical systems based on J2EE.

### Denmark

Trifork A/S  
 Margrethepladsen 3  
 DK-8000 Århus C  
 Denmark  
 +45 87 32 87 87  
 www.trifork.com

### Germany

Trifork  
 Bredhornstrasse 2  
 D-25488 Holm  
 Germany  
 +49 172 444 00 62

### USA

Trifork, Inc.  
 100 Century Center  
 Court  
 Suite 310  
 San Jose, CA 95112  
 USA  
 +1 (408) 437-6316