



JAVA TRAINING

Developing With The Tibco Rendezvous Java Api

Master Tibco Rendezvous Java API development. Build high-performance, reliable messaging solutions for enterprise applications.

DURATION

16 Hours

LEVEL

Intermediate

FORMAT

Instructor-Led

-
- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

This intermediate-level course, 'Developing With The Tibco Rendezvous Java API', is meticulously designed for Java developers looking to master real-time messaging and integration within enterprise environments using TIBCO Rendezvous. You will gain a profound understanding of how to leverage the TIBCO Rendezvous Java API to build robust, scalable, and high-performance distributed applications. The curriculum delves into core messaging paradigms such as publish/subscribe and request/reply, ensuring you can architect solutions for critical data exchange and event-driven communication.

Participants will learn to implement essential TIBCO Rendezvous features, including certified messaging for reliable delivery, distributed queues for load balancing, and secure communication protocols. The course emphasizes practical application through hands-on exercises, guiding you through the development of real-world integration scenarios. By the end of this training, you will be proficient in designing, developing, and deploying Java applications that seamlessly interact with TIBCO Rendezvous, enabling efficient data flow across complex enterprise systems.

The professional benefits of this course are substantial, equipping you with highly sought-after skills in enterprise integration and real-time data processing. Mastering the TIBCO Rendezvous Java API empowers you to contribute to projects involving financial trading systems, telecommunications, logistics, and other industries where low-latency, reliable messaging is paramount. This expertise will significantly enhance your ability to build and maintain sophisticated distributed architectures, making you an invaluable asset in any organization leveraging TIBCO technologies.

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Level	Intermediate
Vendor	Java

COURSE CURRICULUM

01 Module 1: Introduction to TIBCO Rendezvous and Core Concepts

- Understanding TIBCO Rendezvous architecture and components
- Messaging paradigms: Publish/Subscribe, Request/Reply
- TIBCO Rendezvous message format and structure
- Setting up the TIBCO Rendezvous environment and Java SDK
- Basic Rendezvous Daemon (rvd) configuration and operation

02 Module 2: Developing with the TIBCO Rendezvous Java API - Fundamentals

- Initializing and managing TIBCO Rendezvous connections in Java
- Creating and sending messages using the Java API
- Implementing message listeners and subscribers
- Handling network transport and subject naming
- Building basic request/reply patterns with RvListener and RvClient

03 Module 3: Advanced Messaging and Reliability Patterns

- Implementing Certified Messaging (CM) for guaranteed delivery
- Understanding CM publishers, subscribers, and ledger files
- Configuring and using Distributed Queues for load balancing
- Group messaging and advisory messages
- Best practices for reliable message exchange

04 Module 4: Event Queues, Dispatchers, and Multi-threading

- Managing event queues and event dispatchers
- Synchronous vs. asynchronous message processing
- Integrating TIBCO Rendezvous with multi-threaded Java applications
- Thread safety considerations for Rendezvous API usage
- Advanced error handling and exception management within the API

05 Module 5: Security, Monitoring, and Performance Tuning

- Implementing TIBCO Rendezvous security with encrypted messages
- Authentication and authorization mechanisms
- Monitoring TIBCO Rendezvous daemons and applications
- Performance considerations and optimization techniques
- Troubleshooting common TIBCO Rendezvous Java API issues

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Enterprise Integration Developer (TIBCO Specialist)**
- > **Real-time Systems Engineer (Java/Middleware)**
- > **Distributed Application Architect**

FREQUENTLY ASKED QUESTIONS

Q: What level of Java proficiency is required before enrolling in this TIBCO Rendezvous API course?

This course is designed for intermediate Java developers. Participants should have a solid understanding of core Java concepts, including object-oriented programming, exception handling, collections, and multi-threading. While prior TIBCO Rendezvous experience is not mandatory, a basic grasp of messaging concepts would be beneficial.

Q: How will mastering the TIBCO Rendezvous Java API benefit my career in enterprise integration?

Mastering the TIBCO Rendezvous Java API positions you as a specialist in building high-performance, real-time messaging solutions crucial for modern enterprise architectures. This skill is highly valued in finance, telecommunications, and logistics, enabling you to develop critical components for data synchronization, event-driven microservices, and complex system integrations, significantly boosting your employability in roles requiring robust middleware expertise.

Q: Does this course cover the integration of TIBCO Rendezvous with other TIBCO products or broader enterprise systems?

While the primary focus is on developing directly with the TIBCO Rendezvous Java API, the course includes discussions on integration patterns and best practices that facilitate its use within broader enterprise landscapes. We will explore how Rendezvous applications fit into an ecosystem that might include other TIBCO products (like BusinessWorks for orchestration) or other messaging systems, but direct hands-on integration with other TIBCO products is not the core focus of this specific API development course.

ABOUT COMPUTER PRIDE



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Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke