RTI Connext Professional and Connext Secure Live Training

A THREE-DAY PUBLIC TRAINING COURSE (SINGAPORE)

HIGHLIGHTS

Bring your team up to speed quickly with a three-day intensive course

Budget-friendly public training delivered by RTI Professional Services

Hands-on learning to understand how to apply Connext® to your project

Learn best practices in the architecture of your distributed real-time system

The Connext® Professional and Connext® Secure public training course provides your company with an efficient, cost-effective approach to learning. Held in a central Singapore location, the small classroom setting delivers an interactive learning experience with individualized attention from a highly-experienced RTI Professional Services engineer.

PACKAGED TRAINING SOLUTIONS

Jump-start your team's productivity and accelerate your project with live training. This three-day course is an intensive course designed to help your team rapidly acquire the skills needed to use RTI Connext in your project. It provides you with the know-how to apply the Connext connectivity framework to your application and obtain the most value from the Connext databus. Following a predefined agenda developed over years of experience, this standard training is a mix of lectures, demonstrations, and hands-on exercises that reinforce concepts, design guidance and best practices to obtain the most value from the Connext databus. The training course is held at a central Singapore location; special arrangements can be made to hold it at your office facilities.

The Connext Professional and Connext Secure training program begins with an overview of Connext, with a discussion on semantics and terminology associated with the databus and anonymous publish/subscribe communication. The training continues with a focus on data modeling, your entry point to the databus. We discuss the DDS type system that describes

your data, and Quality of Service (QoS) policies that specify behavior for your data. This is followed by detailed descriptions and demonstrations of Connext capabilities. The final day of the training provides an introduction to securing your databus and how to configure fine-grained security with Connext Secure. Because the training is delivered by a Professional Services expert, the agenda can be tailored based on the interests or goals of the registered attendees.

After taking the course, participants will be able to:

- Explain the potential of a data-centric model for publish-subscribe based distributed systems

- Understand how to configure application discovery, QoS policies and how they impact system performance

- Successfully complete hands-on exercises using the Connext API

- Understand the main features provided by Connext Secure and how to apply them to distributed systems

FEES AND AVAILABILITY

The 3-day training fees are US$3,430 per person. Discounts are available for on-site training at your facilities. There is a minimum of eight participants per course.

WORLD-CLASS TRAINING TEAM RTI

Public Training courses are led by highly-experienced members of RTI Professional Services. These engineers have years of experience in the optimization, deployment and tuning of large-scale, high-performance distributed systems. To learn more about our Professional Services team, visit www.rti.com/services.

LIVE TRAINING AGENDA

Below is a typical agenda for the 3-day training course. The exact material covered will depend on the audience interests and questions.

Day 1

- RTI Overview
- RTI Connext introduction
- High-level summary of Pub/Sub and Connext
- Define semantics and objects
- Design patterns and introduction to Quality of Service (QoS)
- Connext and OMG DDS
- Concept and Tools demonstration
- Hands-On with the Connext framework
- IDL and rtiddsgen
- Hello World example
- DDS Data Model
- Quality of Service (QoS) Policies
- RxO Semantics
- Using XML to manage and define QoS configuration
- Dynamic Discovery

Day 2

- Publishing your data
- Subscribing to your data
- Notifications: Listeners, Conditions and Wait Sets
- Keys, Instances, and Memory Management
- Reliable Data Flow

Day 3

- Day 2 review: Connext capabilities review
- Connext Secure: Introduction
- Connext Secure: Governance
- Connext Secure: Permissions
- Connext Secure: Logging
- Connext Secure: Deployment

For more training information or to request custom training, please contact Fanny Lie at flie@rti.com.

ABOUT RTI

Real-Time Innovations (RTI) is the largest software framework company for autonomous systems. RTI Connext® is the world's leading architecture for developing intelligent distributed systems. Uniquely, Connext shares data directly, connecting AI algorithms to real-time networks of devices to build autonomous systems.

RTI is the best in the world at ensuring our customers' success in deploying production systems. With over 1,800 designs, RTI software runs over 250 autonomous vehicle programs, controls the largest power plants in North America, coordinates combat management on U.S. Navy ships, drives a new generation of medical robotics, enables flying cars, and provides 24/7 intelligence for hospital and emergency medicine. RTI runs a smarter world.

RTI is the leading vendor of products compliant with the Object Management Group® (OMG®) Data Distribution Service (DDS™) standard. RTI is privately held and headquartered in Sunnyvale, California with regional offices in Colorado, Spain and Singapore.

Download a free 30-day trial of the latest, fully-functional Connext software today: www.rti.com/downloads

Your systems. Working as one.

CORPORATE HEADQUARTERS

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