

DATASHEET

RTI eLearning Program

TRAINING MODULES FOR ON-DEMAND LEARNING

HIGHLIGHTS

Over 2 dozen video-based training modules that cover topics such as:

- Basics of DDS
- RTI GUI and command line tools
- Debugging concepts and best practices
- Performance testing guidance

Desktop and mobile access

Select modules free to view

RTI provides the world's leading implementation of DDS – the Object Management Group's Data Distribution Standard for Real-Time Systems. This software is used to build real-time communications infrastructures for highly complex and distributed interoperable systems. RTI ConnexTM DDS products offers stable, scalable and reliable performance. And the RTI eLearning program makes it easier to effectively and productively use RTI ConnexTM DDS.

DDS: MORE ACCESSIBLE THAN EVER

Software designed to solve complex networking infrastructure has traditionally come at a high price. The services required to support that software compound the situation with more ongoing costs.

RTI offers its ConnexTM DDS software for free. Now, the RTI eLearning program takes the expertise of our service engineers and made them available to everyone, everywhere. It's an economical alternative when onsite training is not possible.

BECOME A DDS EXPERT

RTI service engineers distilled decades of proven experience with DDS software into nearly 11 hours of helpful video modules with tutorials, examples and demonstrations.

The 27 distinct modules included in the eLearning program cover essential theories underlying effective DDS applications, as well as practical examples and instructions for using DDS in complex systems.

AVAILABLE eLEARNING MODULES

The RTI eLearning program currently includes ConnexTM DDS Online Training that provides 27 video modules to help you navigate from elementary concepts all the way to complex connectivity and protocol issues you may encounter when developing your distributed applications.

The ConnexTM DDS Online Training is complimentary. To access the material, please contact your RTI representative.

RTI CONNEXT DDS ONLINE TRAINING MODULES

RTI Connexx DDS Training Agenda*

Introducing RTI Connexx DDS*

Understanding DDS Fundamentals

- Fundamental Principles of DDS*
- Introduction to the OMG DDS Specification
- From Specification to Implementation
- Common Data-Centric Patterns

Defining Your Data

- Instances, Samples, Data Types*
- Data Type Constructs and Hands-On Example

Developing Your Application

- Understanding the Programming Model
- Defining Data Flows
- Achieving Desired Behavior via QoS (2 parts)
- Accessing Discovery Information

Publishing Your Data

- Basics
- Reliability (2 parts)
- Large and Small Data

Subscribing To Data

- Accessing Data (2 parts)
- Managing Queues

Monitoring and Debugging Your Applications

- Debugging Basic Connectivity Problems*
- Debugging Dropped Data
- Debugging Complex Protocol Problems
- Debugging More Complex Problems
- Finding More Help

Measuring Performance with PerfTest Utility*

RTI Connexx DDS Training Conclusion

eLEARNING PRESENTERS

Modules in the RTI eLearning program are presented by expert engineers and members of the RTI Professional Services team. Each presenter has extensive hands-on field experience working with clients who incorporated Connexx DDS into complex distributed systems.

RTI PROFESSIONAL SERVICES

Your success with developing complex distributed systems is the primary objective of the RTI Professional Services team. Our engineering experts help you mitigate project risk, increase productivity and deliver quality on a shorter schedule. Contact us today at solutions@rti.com to discuss your design, development, training or support needs.

ABOUT RTI

Real-Time Innovations (RTI) is the Industrial Internet of Things (IIoT) connectivity company. The RTI Connexx® Databus is a software framework that shares information in real time, making applications work together as one, integrated system. It connects across field, fog and cloud. Its reliability, security, performance and scalability are proven in the most demanding industrial systems. Deployed systems include medical devices and imaging; wind, hydro and solar power; autonomous planes, trains and cars; traffic control; Oil and Gas; robotics, ships, and defense.

RTI lives at the intersection of functional artificial intelligence and pervasive networkingSM.

RTI is the largest vendor of products based on the Object Management Group (OMG) Data Distribution Service™ (DDS) standard. RTI is privately held and headquartered in Sunnyvale, Calif.

Download a free 30-day trial of the latest, fully-functional Connexx DDS software today: <https://www.rti.com/downloads>.

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2 • rti.com