RTI Professional Services

Industry-Best Expertise

Our RTI Professional Services team is made up of the best and the brightest in the area of critical systems development. Building on our Connext solution, we have deployed some of the toughest distributed systems in the world. RTI will train your team, match your system requirements to a data distribution design, and provide project development support in order to mitigate your project risk, increase productivity and ensure quality in your final deliverable — often on a shortened schedule.

RTI provides critical solutions for large-scale process automation, financial services systems, advanced aerospace & defense combat systems, closed-loop robotics, highly-distributed traffic management programs and asset management systems. The RTI team leverages real-world experience building sophisticated distributed systems as well as our advanced internal research projects on systems technologies and architecture.

"The consulting team at RTI did in two weeks what takes most engineers months to complete. They managed to understand the system, write software for the system and integrate the software quickly and efficiently. They were determined to solve our problem within our timelines and make the software configurable so our team could pick up where they left off."

David J. Cannon
VP Research and Development
Seicor International Corporation

RTI provides the talent to help you meet the challenges of developing complex networked applications. Our team of experts helps you mitigate project risk, increase productivity and deliver quality on a shorter schedule.

Building upon RTI's market leading products, and its active commitment to industry standards, the RTI Professional Services team provides customers an important head-start and a competitive edge. Our past engagements include custom software for industrial automation, integration of shipboard networks, design and integration of robotic cranes and the architecture for a 24x7 train-dispatch call-center. Our team draws on experience building systems — not just networks — and can provide insight at any stage in the product lifecycle.

What We Offer

Our engineers can optimize your performance with services that include architecture and design consulting, system integration, custom products, training and support.

Our Approach

Our field proven approach to services ensures that we deliver what you need on time, and that we get it right the first time. A structured yet flexible process enables us to directly address key development challenges and contribute to the success of our clients. Our proven engagement methodology, track record of timely delivery, and in-depth understanding of market and technology dynamics make RTI a valuable implementation partner to clients worldwide.

RTI Consulting Services Packages

RTI provides quality application-design consulting and system-integration packages to the rapidly growing data-critical systems community. These packages include turnkey solutions, customer teaming arrangements, on-site consulting and product modification. RTI's knowledgeable engineers emphasize practical design, solid fundamentals and teamwork to ensure that each customer's application is on schedule, on budget and meets performance specifications.

Use Case Discovery (UCD) allows you to make efficient infrastructure decisions based on your specific use cases. The UCD culminates in a detailed presentation to document known and emerging use cases, business drivers, technology fits and gaps, functional requirements and system quality attributes and constraints. It includes concrete, actionable recommendations and guidance.

Architecture Study provides you with an expert evaluation of your network infrastructure and application architecture. RTI provides a written report summarizing design options, recommending implementation strategies, identifying risk areas and proposing mitigation options.

Design Support Package provides four weeks of expert installation, design, and system support at the customer's site. This is an efficient and effective way to get your project designed correctly the first time.

Implementation Support Package provides eleven weeks of onsite expert assistance. This package provides middleware expertise and assistance during critical stages of the project spanning the design, implementation and testing phases.

Custom Solutions offer the ultimate flexibility in structuring a consulting engagement to meet your business and technical require-ments, whatever they may be. Whether it is a single, comprehensive engagement or a multiphase series of engagements, RTI Professional Services has the experience to ensure your success.

Custom Middleware and Tools

Custom middleware and tools begin with RTI's configurable software building blocks. RTI's rich portfolio of networking middleware and tools for creating data-critical systems can be customized to meet the unique requirements of a wide range of applications.

Customized Products — Certain customers may benefit from a customized version of the RTI Connext products. Commonly requested customizations include:

• Ports to custom hardware

• Reduced memory footprint configurations

• New feature implementation

• Additional API functions

Customized Tools — Tools are essential for productivity during application development. Once a system is completed, tools are still essential for system configuration, maintenance and diagnosis. The following types of tools are available from RTI and can be customized to fit your application requirements:

• Type/topic management

• Network management

• Packet analyzer

• Protocol analyzer

• System browser

• Performance utilities

Training

We provide expert training on the use of our products, as well as customized training tailored to the concepts necessary to design a customer's distributed system.

Quick Start training has customers up and running in no time. This two day intensive training session includes a detailed explanation of the product feature set, provides hands-on examples from the products tutorial, and addresses project specific infrastructure design. Quick Start trainings are held on-site or at various public locations worldwide.

On-Demand Training is specifically tailored to meet your needs. Whether you need refresher training or porting information for teams upgrading to newer versions of our products, we will accommodate you to address your particular project requirements.

Support

RTI's experienced engineers provide top-notch support and deliver timely and reliable solutions to technical problems. We understand that middleware is a mission-critical part of your application and we treat support issues with the seriousness they deserve. Our support engineers are experts at designing, debugging and implementing distributed and embedded systems. RTI offers a broad range of standard and premium support and maintenance services that covers design, implementation, upgrades and ongoing usage.

Getting Started

Your success is our primary objective. Contact us today at solutions@rti.com to discuss your upcoming design, development, training or support needs.

About RTI

Real-Time Innovations (RTI) is the Industrial Internet of Things (IIoT) connectivity company. The RTI Connext® 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 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, California.

rti

Your systems. Working as one.

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