



DATASHEET

RTI Security Assessment

A CUSTOMIZED OFFERING TO MITIGATE INFORMATION SECURITY RISKS

HIGHLIGHTS

Customized assessment of your application's requirements, design and architecture, focusing on DDS Security

Detailed recommendations for tuning system privileges to protect integrity and confidentiality of your data

Advice on how to fully utilize RTI Connex DDS Secure product capabilities

Strategies to help avoid costly rework at the end of the development cycle

Our RTI Professional Services team is made up of the best and brightest in the area of critical distributed systems development. RTI will train your team, provide a detailed appraisal of information security vulnerabilities and help fine-tune privileges to mitigate project risk. The Security Assessment features in-depth discussions concerning the key ways that RTI Connex DDS Secure can protect your information and ensure the quality of your final deliverable.

ASSESSING INFORMATION SECURITY FOR CRITICAL SYSTEMS

In recent years, information assurance has emerged as a new aspect of critical distributed system development. Whereas such systems used to be considered "isolated" and thus inaccessible to intruders, today they are exposed to potential threats from all corners of the globe. Information security has therefore become an important part of many new or evolving systems across a wide variety of industries and domains.

At the same time, the amount of data flowing through such systems has significantly expanded, as computing power and networking capacity have become cheaper commodities. To optimally leverage that power, collaboration is increasingly important for success in a variety of industries. It's important for Industrial partners who collaborate to only trust each other to a limited extent when granting shared access to vital systems though, due to the value of Intellectual Property and the risks of reputation damage.

An RTI Security Assessment can help you address security challenges like these for critical distributed system development. This engagement is always tailored to your specific situation. We will assist you in identifying the information assurance mechanisms that are appropriate for your system and assess how these needs can be met, while keeping important critical distributed system requirements like predictability, fault tolerance, scalability and evolution in mind.

HOW IT WORKS

The RTI Security Assessment starts with a kick-off meeting that starts with gathering requirements, followed by a detailed assessment with your core team. Our team then provides a summary of the observations and assessments, customized for your system and objectives. In some cases, customers will start experiencing system improvements before this three-step process is finished.

EXAMPLE TOPICS COVERED

RTI Security Assessments focus on a broad range of system security aspects. Example topics include, but are not limited to, the following:

- Locking down your system's information flows against unauthorized access to ensure information confidentiality and integrity
- Identifying the required interactions between the different stakeholders and the information flows, resulting in rules to enforce access based on a need-to-know basis
- Integrating secure identity and key management technologies into your distributed system
- Improving the development process to align with security needs
- Expanding awareness of security-related events and accelerating response time
- Migrating existing systems to a secured solution

RTI'S EXPERTISE IN OPERATIONAL SYSTEMS

For over ten years, RTI has been the world leader in delivering high-performance, scalable communications software for building and integrating real-time operational systems. For systems operating under threats to information assurance, a comprehensive approach to security needs to be integrated into all aspects and phases of development.

RTI Security Assessment engagements are led by members of the RTI Professional Services group. This team has decades of experience in the design and implementation of distributed real-time applications and a deep knowledge of the methods and mechanisms available for securing the associated communications and data flows. By combining our extensive experience with best practices and standards in different industries with your organization's specific requirements and regulations, our experts are able to provide you with guidance that can help you make well-informed decisions on all aspects related to information security for your critical distributed system.

ABOUT RTI

Real-Time Innovations (RTI) is the largest software framework provider for smart machines and real-world systems. The company's RTI Connex[®] product enables intelligent architecture by sharing information in real time, making large applications work together as one.

With over 1,500 deployments, RTI software runs the largest power plants in North America, connects perception to control in vehicles, coordinates combat management on US Navy ships, drives a new generation of medical robotics, controls hyperloop and flying cars, and provides 24/7 medical intelligence for hospital patients and emergency victims.

RTI is the best in the world at connecting intelligent, distributed systems. These systems improve medical care, make our roads safer, improve energy use, and protect our freedom.

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 headquarters in Spain and Singapore.

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

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