

DATASHEET

# RTI Architecture Study

MEET YOUR DISTRIBUTED APPLICATION'S DESIGN OBJECTIVES

## HIGHLIGHTS

- Meet performance and scalability requirements
- Reduce project risk
- Ensure total system integration
- Fully utilize Connex product capabilities
- Save costly rework at the end of the development cycle
- Customized assessment of your application's requirements, design and architecture
- Advise on tuning your application for performance and scalability

### CUSTOMIZED DESIGN FOR YOUR DISTRIBUTED APPLICATION

Mitigate project risk by optimizing your distributed system design to meet your performance and scalability goals.

With an RTI Architecture Study, RTI's expert Professional Services team evaluates your requirements and networking infrastructure. RTI then provides you with a written report summarizing design options, recommending implementation strategies, identifying risk areas and proposing mitigation options.

### MITIGATING RISKS

When designing real-time distributed systems, many requirements must be taken into account. These include:

- Throughput and latency
- Discovery performance

Our RTI Professional Services team is made up of the best and the brightest in the area of critical systems development. 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.

- Scalability — number of nodes and communicating applications
- Fault tolerance
- Connectivity options

These requirements must be considered in the selection of middleware as well as in a system's overall architecture. If the middleware and architecture fail to deliver the required performance and scalability, the result could be catastrophic in terms of delivery time and re-engineering cost. Unfortunately, the risk is particularly acute because performance and scalability problems are usually not detected until near the end of the development cycle, after system integration.

The RTI Architecture Study mitigates your project risk by helping you make the right middleware and design decisions up front. Additionally, the study provides valuable analysis to help you optimize and tune your application.

