

Tools

Ken Brophy
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ken@rti.com

Outline

- What's available?
- Short description of select products
- Demonstrations
- Questions & Answers
- Interactive; I'll be asking questions about product usage

What's Available?



System Designer



Code Generator



Shapes Demo



Persistence Service



Routing Service



Recording Service



DDS Prototyper



Admin Console



Monitor



Spreadsheet Add-in for Microsoft Excel®



DDS Ping



DDS Spy



Queuing Service



Database Integration



Replay Service



Cloud Discovery Service



Connector



Wireshark



Recording Console

System Designer

Prototype



**System
Designer**

- GUI to design data types, configure QoS, and write XML Application Configurations.
- Use in conjunction with DDS Prototyper and the Pro library.

This feature is currently in the Prototype stage.

DDS Prototyper



DDS Prototyper

- Accelerate application development and scenario testing by providing developers with a quick and easy-to-use mechanism to scenarios on their own computer systems and networks, and get immediate information on the expected performance, resource usage, and behavior of their system.

This feature is currently Experimental stage.

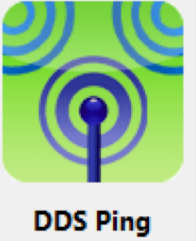
Shapes Demo



Shapes Demo

- Graphical application which publishes/subscribes 3 different shape Topics.
- Very useful for experimenting with QoS to see how this affects behavior.

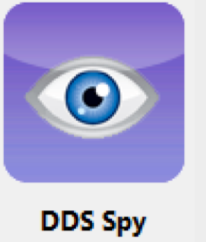
DDS Ping



- Command-line tool for connectivity experiments.
- Can be run directly on your target machines.
- Great for checking if discovery is not working in your configuration.



DDS Spy



- Command-line tool to see what's running and can print live data.
- Can be run directly on your target machines.
- Great for smaller systems and relatively low data rates.



Admin Console



Admin Console

- Graphical tool to see what's running, debug, and visualize live data.

Demonstration to follow...



Monitor



- Graphical tool to see what's running, tune, do in-depth debugging.
- This tool requires your applications to include the Monitoring Library which provides in-depth statistics & complete QoS settings.



Spreadsheet Add-In



Spreadsheet
Add-in for
Microsoft Excel®

- Integration with Microsoft Excel which can subscribe to Topics to show live data.
- Can also publish data to DDS Topics.

Wireshark



- Graphical tool which displays and dissects protocol-level packets.
- Great for exploring what the RTPS packets contain.
- Can plot data for doing aggregate-level system analysis.
- Essential if you ever need to debug discovery.



DEMO

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