

# RTI, DDS, and ROS

Stan Schneider, PhD. RTI CEO

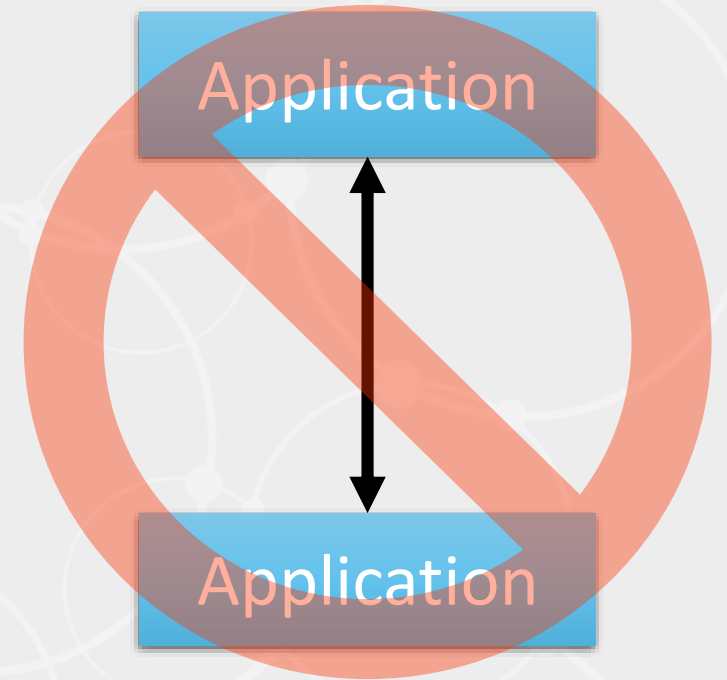
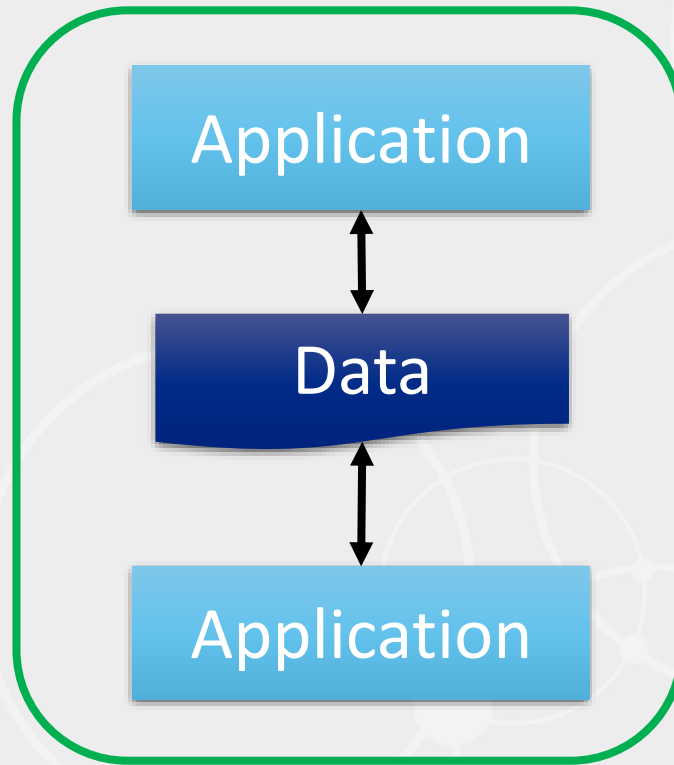
# RTI Overview

- Largest DDS vendor
- 1000+ design wins
- Many multi-\$b programs
- Full DDS, tools, services, support, secure & certified versions



# The Databus

Data Centric  
technology  
connects  
applications to  
the data, not to  
each other



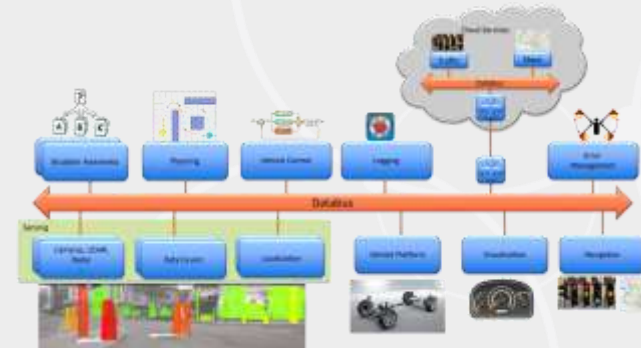
Message centric  
Client/Server  
Remote Objects  
SOA

# Database and Databus: *Data Science* Approaches



Database

Data centric storage and search of old data



Databus



Data centric sharing and filtering of future data

## Why Data Centricity?

- Common “truth” for integration
- Extreme reliability & scalability
- Right data, right time, right place
- Complexity in infrastructure, not code
- No startup dependencies
- Generic tools and analyzers

# DDS & RTPS

Visualization & Debug Tools

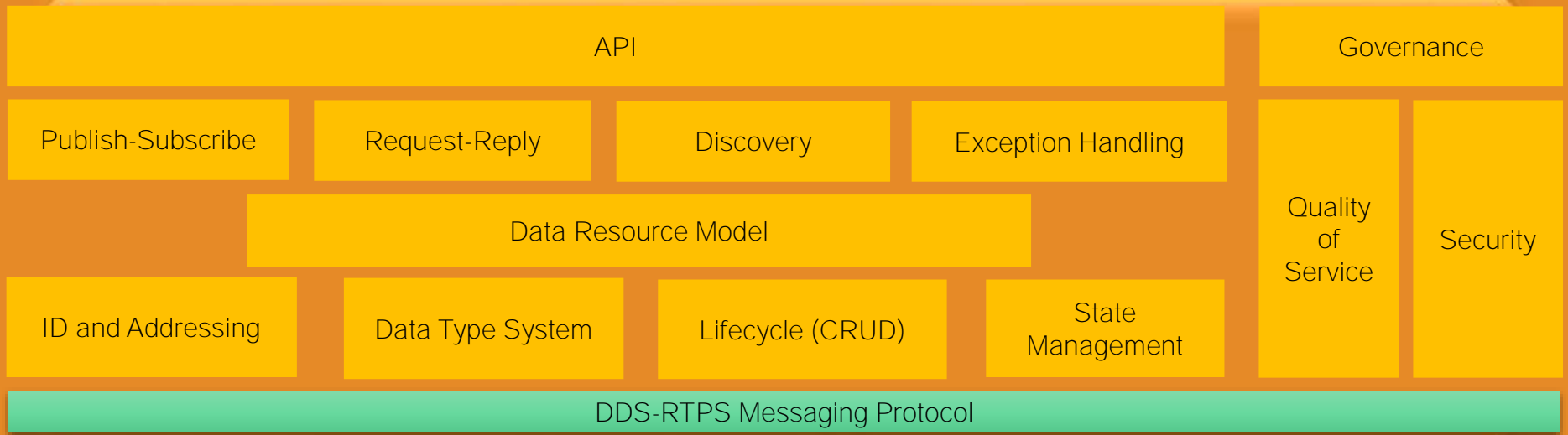
Recording & Playback Services

Application Prototyper

Data Modeling Tools

Connectivity SDKs  
(C, C++, Java, .NET, Javascript, Python ...)

**Tools & SDKs**



**Databus**

Connectivity Gateway

Database Integration Service

Persistence Service

**Connectivity Services**

# RTI Business Model

- *Free for non-commercial use*
  - All middleware, tools, services\*
  - Free community support
- Inexpensive optional support
- Subscription license for commercial developers
  - No runtime royalties



\*Not esoteric platforms or certified versions



OCT

MARKET  
INTELLIGENCE



2017

SILICON VALLEY

OCT 18-19

and for information  
er and more secure  
IoT, we are bringing  
the connect conference to Silicon Valley!

# Contact!

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@RTIStan

- We're Hiring!
  - Research: Build programs with top universities
  - Services: Design advanced IIoT apps around the world
  - Automotive Engineers: Build autonomy architecture
  - Field Applications Engineers: work with the newest applications
  - Engineering: Take on the toughest challenges\* in tech
  - Market Strategy: Architect solutions for future standards
- Positions in US, Spain, worldwide

\*OK, one of the toughest