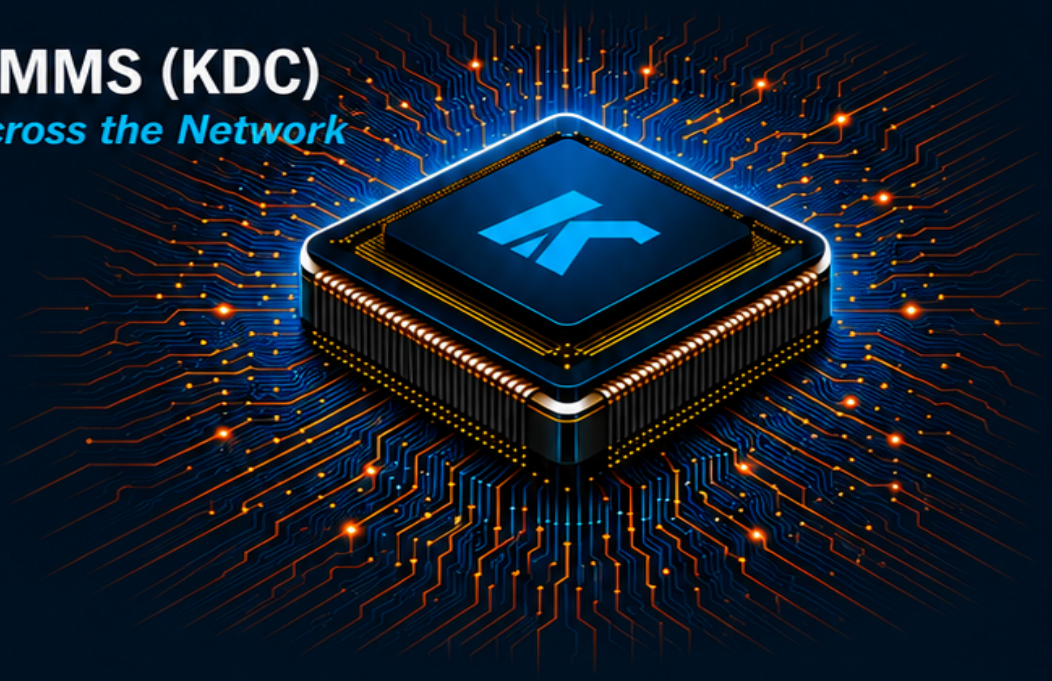
Kristen
SOFTWARE, LLC

KRISTEN DATA COMMS (KDC)

Send Intelligent Agents Across the Network



WHAT IS KDC?

KDC is a distributed systems framework that enables applications to exchange intelligent software Agents across networks.

Agents combine task data with reusable application behavior. KDC serializes Agents for transmission and reconstructs them at the destination using compatible Agent classes already available there. Agents then execute their tasks through registered local APIs.

EXECUTIVE VALUE

FOR GOVERNMENT AND COMMERCIAL SYSTEMS

Faster Time-to-Market
Build distributed solutions quickly

Reduced Integration Risk
Standardized agent exchange

Accelerate Mission Success
Time to market is faster so it is lower cost and enables exceptional distributed applications

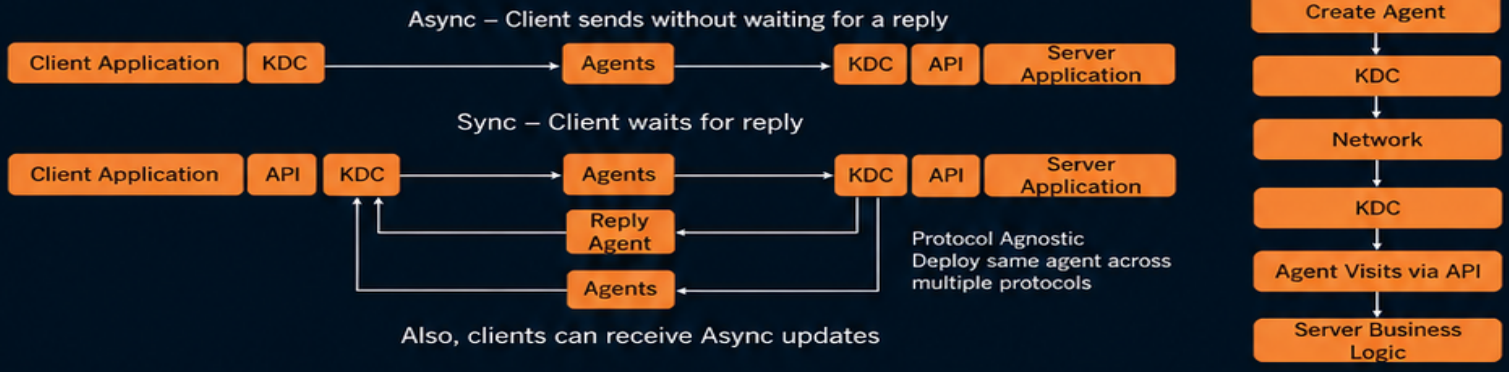
Strengthen program structure through a revolutionary architectural design pattern

Easy to learn, and a pleasure to use

Focus on business logic instead of networking infrastructure.

01 / ARCHITECTURE

How agents move through the KDC stack



INTELLIGENT AGENTS
</>
Serialized for transmission, executed locally

CONTROLLED EXECUTION
Agents known at compile time
Registered APIs

BIDIRECTIONAL
Agents flow in either direction

PROTOCOL SUPPORT
TCP, UDP, Multicast, HTTP, WebSockets

VERSATILE AGENTS
Protocol Agnostic
Deploy same agent across multiple protocols

Kristen Software, LLC
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NETWORK APPLICATIONS

Infrastructure & Integration
- Protocol Tunnels
- Protocol Bridges
- Gateways
- Load Balancers
- Multi-Protocol Translators
- Cloud-to-Edge Integration
- Enterprise Integration

Messaging & Data
- Message Routers
- Publish/Subscribe Systems
- Service Buses
- Data Distribution Services
- Event Streaming
- Distributed Queues

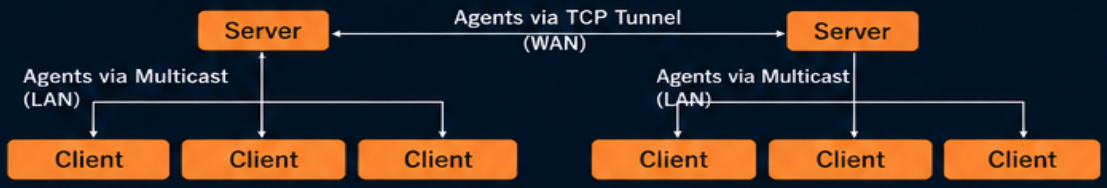
Mission & Operations
- Command & Control Systems
- Sensor Fusion Systems
- Mission Planning Systems
- Autonomous Systems
- Decision Support Systems
- Situational Awareness

Edge & IoT
- IoT Solutions
- Edge Computing Platforms
- Remote Device Management
- Telemetry Collection
- Distributed Monitoring

Cloud
- Cloud Integration
- Cloud Services
- Scalable Cloud Architectures

02 / TCP / MULTICAST TUNNEL

Routing serialized Agents between TCP and Multicast networks



ABOUT KRISTEN SOFTWARE

Kristen Software, LLC is a Virginia-based software company founded by Chuck Kozoyed. Drawing on decades of software engineering experience in government and commercial systems, Kristen Software develops innovative software designed to simplify secure, scalable, and maintainable distributed applications.

Kristen Data Comms (KDC) enables distributed applications to exchange intelligent software Agents. Agents are serialized for transmission and reconstructed using compatible classes at the destination, where they execute through registered local APIs.

INTELLIGENT AGENTS
</>
Serialized for transmission, executed locally

CONTROLLED EXECUTION
Agents known at compile time Registered APIs

BIDIRECTIONAL
Agents flow in either direction

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