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I2O Messaging for Distributed and High Availability Architectures

Client

LynuxWorks™, Inc., a pioneer and a proven leader in the embedded systems industry, delivering its software products solutions to the markets such as communications, aerospace and defense systems, medical, and automotive.

Solution

The LynxOS Messenger implements a message-based communication protocol for intelligent devices to process information jointly. The architecture is designed to facilitate intelligent I/O processor cards (IOP), as well as to increase system scalability and availability. Peer-to-peer communications allow developers to flexibly integrate different I/O resources, to enable direct communications between these I/O devices, and to deploy split device drivers running in a High Availability system. Applications and split device drivers communicate to each other over the underlying I/O bus using the services defined by Messenger's APIs.

Auriga's Contribution

Full-life cycle development and maintenance.