

Medical

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DDS securely shares patient and device data to build smarter clinical information systems. It connects devices in hospital rooms, integrates whole-hospital systems, and connects to the cloud and mobile technologies. The proliferation of smart medical devices creates new integration challenges for networks of devices. DDS provides a proven solution for the secure transfer of real-time data between medical devices and other information systems in a clinical environment.

Medical Devices and Clinical Systems

The Medical Device “Plug-and Play” (MD PnP) Interoperability Program is using DDS in the reference implementation for their Integrated Clinical Environment (ICE) to enable the integration of devices and the sharing of real-time patient data between devices and other clinical information systems.

Source: [Harvard University: MD PnP](#)

Imaging Systems

Imaging systems require massive data flows and fast performance. DDS controls and optimizes network use to handle megabytes of load without losing data.

Source: [RTI: GE Healthcare's Industrial Internet of Things \(IoT\) Architecture](#)

Integrated Clinical Medical Decision Systems

DDS ties together devices, services, and displays in real time.

Source: [RTI: DocBox](#)

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