

HEALTH.ONE

TRANSFORMING HEALTHCARE WITH THE POWER OF DATA

Bring healthcare into the future with HEALTH.ONE, an enterprise-grade Internet of Things (IoT) and Machine-to-Machine (M2M) application platform designed to help organizations better manage healthcare. By integrating and processing data from multiple systems, HEALTH.ONE can help reduce healthcare costs and medical errors while significantly improving the quality of care and access.

THE CHALLENGE

Healthcare providers today face growing challenges managing the multiple mission-critical systems needed while trying to reduce costs and medical errors and improve the quality of care. Existing healthcare operations have high staffing needs to monitor patients, medical equipment and supply inventories and consume considerable amounts of energy. Large healthcare facilities such as hospitals must maintain large numbers of complex and often expensive equipment as well as all the standard support structures of large buildings. Emergency response organizations must cope with ever growing urban centers and associated traffic congestion.

THE SOLUTION

By increasing data flow and sharing across systems, healthcare organizations can dramatically increase the quality of care while significantly reducing costs. Having a single IoT/M2M application platform that can securely connect and share data across a diverse range of devices and systems maximizes the potential for innovation while reducing complexity and costs. PLAT.ONE meets this challenge with HEALTH.ONE, a single platform solution designed to work across the healthcare value chain.

Leveraging the power of PLAT.ONE's enterprise-grade IoT/M2M application platform, HEALTH.ONE combines an extensive feature set, device management flexibility, big data capabilities and advanced data security technology to set the standard for healthcare platforms.

BENEFITS:

- An enterprise-grade application platform to rapidly develop and deploy innovative health services across the value-chain
- Centralized control and monitoring of multiple health services from a single on-premise or cloud-ready platform with web-based and mobile configuration and dashboards
- Highest level of data security and sensitive data anonymization to protect personal and health data yet allow for a new generation of developers to create innovative services
- Fully-distributed operations allow for local, real-time operations and coordinated system-wide services
- Standards-based OSGI architecture allows for easy integration of legacy systems and devices, and modern web services and social media providing a framework for a 360 degree view of your health enterprise



CONNECTED INSTRUMENTS

PLAT.ONE's proven IoT/M2M platform excels at establishing two-way communication with a heterogeneous range of devices allowing remote system management. By connecting medical equipment such as MRI scanners and CAT scan systems to the Internet, healthcare providers can realize significant reductions in maintenance costs and system downtime. HEALTH.ONE enables continuous monitoring of equipment status for better preventative maintenance scheduling and solution resolution without the need for technician visits. HEALTH.ONE's flexible and secure data handling PLAT.ONE's proven IoT/M2M platform excels at establishing two-way communication with a heterogeneous range of devices allowing remote system management. By connecting medical equipment such as MRI scanners and CAT scan systems to the Internet, healthcare providers can realize significant reductions in maintenance costs and system downtime. HEALTH.ONE enables continuous monitoring of equipment status for better preventative maintenance scheduling and solution resolution without the need for technician visits. HEALTH.ONE's flexible and secure data handling technology enables smart, cloud-based scheduling applications, allowing healthcare professionals to view machine availability across the local community to optimize scheduling. Remotely monitoring instruments that depend on supplies for operation, such as chemicals for analytical equipment or helium for MRI machines enables preemptive restocking of materials to reduce instrument downtime.

CONNECTED PATIENTS

HEALTH.ONE can help bring a paradigm shift in patient care by enabling the continuous, secure monitoring of patient physiological data via IoT-driven monitors, reducing the frequency of visits by healthcare workers and maximizing information flow to doctors for better decision making and improved quality of care. Closer monitoring and sharing of healthcare data can reduce hospital errors which account for an estimated 50,000 deaths each year in the USA alone.



The platform also supports remote patient health monitoring in the home for improved care after patients are discharged from the hospital, especially important for post-operative care, leading to reduced hospital readmissions. The monitoring and care of elderly persons can also be dramatically improved by connecting to home-based IoT enabled monitors. HEALTH.ONE seamlessly enables the provision of in-home remote patient monitoring solutions across a variety of technologies such as cellular, Wi-Fi, Ethernet and landline telephone service.



CONNECTED EMERGENCY SERVICES

Leveraging its experience with smart vehicle fleet management solutions, HEALTH.ONE offers solutions for emergency service vehicles such as ambulances and fire trucks, greatly improving responsiveness and the quality of care. Remote tracking of vehicles distributed across the community can optimize utilization of these resources for faster response times. Through integration with PLAT.ONE's CITY.ONE platform, emergency responders can leverage city traffic data to optimize vehicle routing. HEALTH.ONE allows IoT-enabled monitors inside ambulances to share a continuous stream of physiological data with hospitals for better and faster treatment upon arrival.

CONNECTED MEDICATIONS

By connecting IoT-enabled medication inventory and dispensing systems, HEALTH.ONE helps hospitals and pharmacies ensure more consistent stocking of medications for faster delivery and reduced medication errors. The ability for HEALTH.ONE to securely manage data flow from multiple data streams enables doctors to more quickly track the outcome of prescribed medications, for more rapid and better informed decision making. With the recent advances in IoT-enabled medicine bottles and even RFID-tagged medications, HEALTH.ONE improves medication adherence, helping to reduce the incidence of human and financial losses attributed to poor medication adherence.

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