Cloud-Based Device and Data Management Platform

Everyware™ Cloud

- **Bridge the gap between distributed devices and event-driven IT applications**
- **Open and optimized protocol for device data transport**
- **Access stored data with no time restriction**
- **Drive decisions based on real-time data streams**
- **Elastically scale and pay-as-you-go model**
- **Globally available and secure**

FEATURES

Decoupling sensors and applications: flexible M2M platform that grants both a complete separation between devices and applications while allowing many-to-many relationships at the business level to enable new Internet of Things services

Device connectivity: bandwidth optimized, open, data agnostic transport protocol for efficient network usage

Flexible data management: data in any format, even encrypted, can be stored and accessed quickly in our schema-less database

Long-term queryable data: data can be stored and queried later at any time

Real-time data management: device data can be pushed and statistically analyzed in real-time

Data accessing and querying: standard REST APIs for easy application development and data application integration

Immediate business decisions: continuous data correlation, filtering between disparate devices to trigger business decisions

Platform console: easy-to-use web interface for device and platform management

Rich set of APIs: all the functionalities of the platform are made available through standard REST APIs (even the console features)

The Everyware Cloud platform simplifies device and data management by providing an innovative platform that connects distributed devices to business enterprise applications leveraging secure, open and reliable protocols. Everyware Cloud offers an easy connectivity path for building scalable M2M applications for a variety of device-enabled services.

Everyware Cloud is based on the leading public cloud platforms for true scalability and a pay as you go business model for easy ramp up with no upfront investment. It offers an entirely new and more efficient business model.

Everyware Cloud uses MQTT as the default transport protocol for device connectivity and adds intelligence on top, allowing customers to create innovative apps while reducing connection costs. The protocol is bidirectional, open, secure and proven in data intensive applications, built from the ground up to satisfy demanding M2M applications reliant on distributed devices.

Everyware Cloud automatically stores device data into a schema-less, distributed, decentralized database which is fault tolerant and elastically scalable. This database stores any data in any format for the market's longest queryable period, up to 36 months. The database also enables access to real time data, in its native form, for use by the final application.

The platform enables business decisions to be instantly triggered based on sophisticated mathematical and statistical real-time rules applied to device data streams. These unique capabilities, including data stream filtering, continuous queries, aggregation and correlation between devices, and event pattern recognition, ensure rapid reaction to business-critical situation detection scenarios and a set of unique features for the final M2M application.

Everyware Cloud is hardware independent; any device, even small footprint computational devices, can communicate with the platform to provide data to applications or systems to run the business efficiently and effectively.

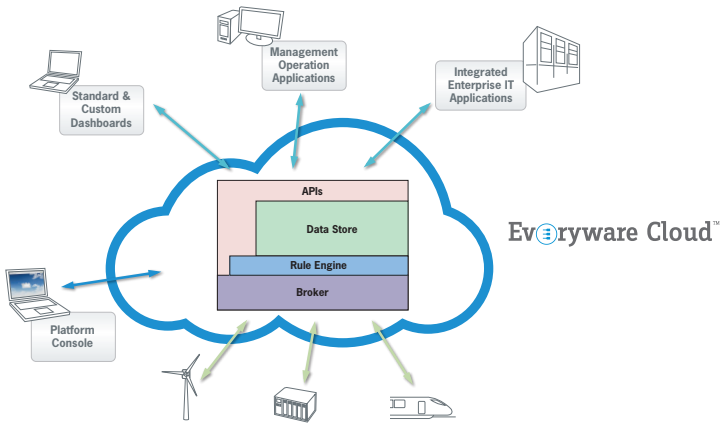
The Everyware Cloud is architected for high availability, with failover redundancy, with data copied into multiple nodes and geographically distributed across different data centers. This redundancy translates into automatic and transparent disaster recovery without additional configuration or lost productivity.

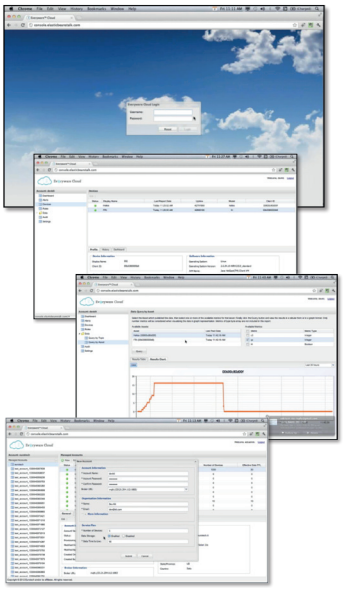
EUROTECH
Imagine. Build. Succeed.

Everyware™ Cloud

Specifications

Cloud-Based Device and Data Management Platform





Platform: Scalable, cloud-based M2M platform for connecting devices and applications

- Data agnostic platform
- Connects any number of devices and applications
- Many-to-many relation between devices and applications
- Built-in device status map
- Add devices with “zero configuration” process
- Store any type and any quantity of data with no time restriction
- REST APIs for application development (including console features)
- Rules Engine for real-time data analysis and event processing
- 2-way communication channels with devices
- Redundant and highly available with failover mechanism built-in

Platform Console: Web-based interface for platform management

- Real-time device and data management
- User management
- Immediate data aggregation and visualization
- Rules creation section

Device Connectivity: Easily and reliably connect any kind of device

- Scalable and optimized bidirectional device protocol
- Based on MQTT v 3.1 (openly available)
- Efficient EDC message format
- Everyware Cloud clients available for third party devices
- Java and C++ clients available

Application Development: Base your application on a standard, flexible interface

- Easy to use REST APIs for application development
- XML and JSON format

EUROTECH
www.eurotech.com

North America
sales.na@eurotech.com

Latin America
sales.la@eurotech.com

Europe, Middle East and Africa
sales.emea@eurotech.com

Asia Pacific
sales.ap@eurotech.com

For your local contact please refer to:
www.eurotech.com/contacts