HarperDB

The IoT Database Built to Run on the Edge

HarperDB installs directly on the micro-device. 65 MB footprint.

Clustering allows for distributed computing on the edge

HTAP capabilities allow for real-time analytics enabling predictive maintenance

★ Endless Benefits

Maximize ROI

On time deliveries

Available fleet

Real-time theft prevention

HarperDB and Expertos en Sistemas

Challenge: Track and report the telemetry and maintenance data on delivery trucks throughout Latin America and South America for major CPG clients in real-time.

Solution: Partner has developed a solution with HarperDB installed on micro-devices. These devices will be installed directly on the delivery trucks to track telemetry data around logistics e,g, heat, GPS location, wear and tear on the vehicles, etc.

Benefits: Data can be retrieved real-time on the edge or integrated to a central location in an Oracle platform and ecosystem.

"There are a few reasons why HarperDB stands out for IoT. It can be installed on any hardware due to its size, plus packs more functionality in less space. The solution allows us to manage thousands of IoT devices, combining structured and unstructured data, while leaving HarperDB to handle versioning and concurrency. We can also integrate our Visual Content Analysis data in a single database that can integrate itself with centralized databases for more complex A.I. processing."

-Karl Müdespacher, CEO of Expertos

65mb Install Footprint: HarperDB is written in Node.js which requires significantly less RAM and CPU than a traditional database. At rest, HarperDB uses no resources as it is stateless. This is ideal for IoT devices and projects as it allows for battery conservation and the maximization of value of these micro-computing devices.

Database as a Microservice: Interface with HarperDB through a simple to use REST API. It has a single endpoint with a consistent JSON object model that allows you to simply and explicitly interact with your data.

Distributed on the Edge: Clustering and replication allow for distributed querying across a network of devices and real-time analytics directly on the edge. Replication allows for enterprise class redundancy.

Dynamic Schema: All operations support both NoSQL and SQL in a single model. Unstructured data is given structure dynamically in real-time allowing for inspection and searching of all attributes.

HarperDB
Simplicity without Sacrifice