

Empower Your Business with Smarter IoT Data



Why IoT Stream Governance?

With the rapid growth of IoT and real-time data, the need for trusted, high-quality data across systems is becoming essential. While tools for managing IoT connections and ensuring basic data flow exist, guaranteeing that data is accurate, reliable, and actionable across teams has been a persistent challenge. This is especially true for businesses deploying distributed IoT ecosystems supported by diverse devices and complex infrastructures.

Business Impact of Poor Data Quality

\$12.9M
Loss

Organizations lose millions annually due to poor data quality (*Gartner*)

30%
Lower Revenue

Bad data costs enterprises 30% of their revenues (*Ovum*)

67%
Data Mistrust

Over two-thirds of C-suite execs don't trust the data coming from their systems (*Deloitte*)

How HiveMQ Data Hub Helps

HiveMQ Data Hub, part of the HiveMQ Platform, provides organizations with a modern solution for IoT data management, enabling them to operate at scale with validated, high-quality data. Teams can easily access and share trusted data in a system that helps design and enforce quality standards, eliminates rogue data, and ensures seamless integration across devices and platforms. By empowering distributed teams to explore, understand, and act confidently on trusted IoT data, businesses can realize faster insights, improve operational efficiency, and reduce costs while maintaining data integrity.

Key Components

Policy Engine

Ensure high data integrity by setting and enforcing rules that govern how the entire system operates, controlling what data is allowed in and what is filtered out.

Transformers

Guarantee trusted data by applying transformation rules that standardize, clean, and enrich data, ensuring it meets required standards and structure.

Industry Modules

Faster time to solution using industry specific no-code modules like SparkPlug and incorporate business-specific modules without complex configurations.

HiveMQ Customers



AIRFRANCE
KLM
GROUP

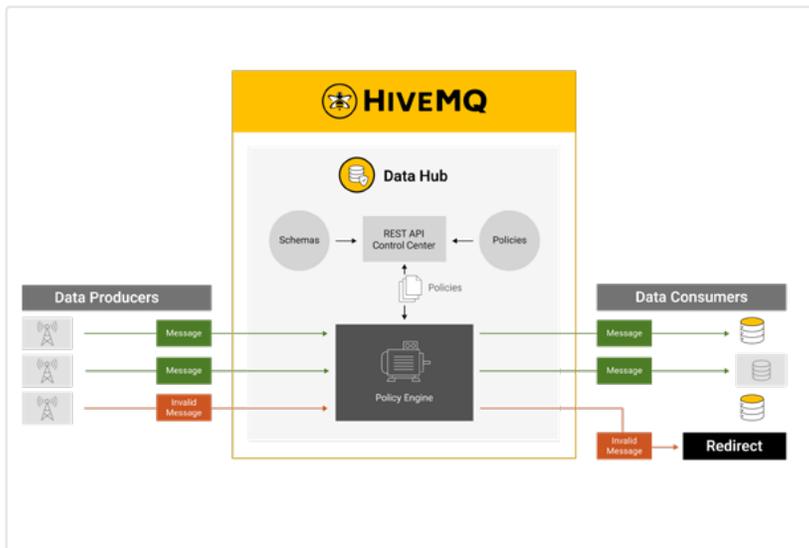
SIEMENS



Mercedes-Benz

HiveMQ Data Hub Capabilities

HiveMQ Data Hub provides a set of services and tools to define standards and process IoT and industrial data right at the edge. By ensuring data quality early in the supply chain, it eliminates the need for resource-intensive validation downstream, streamlining the flow of reliable data.



Behavior Policies: Manage device interactions with the broker by defining rules for logging, transforming, or blocking behaviors.

Data Transformation: Manipulate data formats like JSON or Protobuf for seamless edge processing, and enable transformations such as unit conversions.

Schemas and Policies: Create structured blueprints for incoming data formats with enforceable rules to ensure integrity, like defining valid temperature ranges.

Modules: Simplify setup with preconfigured modules that bundle schemas, policies, and transformations, use HiveMQ-built options or create and host your own.

REST API: Access the HiveMQ Data Hub programmatically via REST APIs to integrate with other applications and automate workflows.



“HiveMQ Data Hub allows us to automatically validate and standardize data to build a more reliable data pipeline and further grow our business.”

Klaas Jan Koopman / Director Video Back Office & Service Platform, [Liberty Global](#)

The Benefits HiveMQ Customers Achieve:



Faster Business Insights

100M Unlocked

By activating new use cases for various business units with a trusted and accessible data foundation.



Reduced Costs

\$200k/yr+ Saved

On direct OT engineering labor costs by standardizing and maintaining data schemas.



Improved Operational Efficiency

50M+ Increased Revenue

From reduced response time and MTBF thanks to reliable and timely delivery of critical data

To download HiveMQ and try Data Hub visit www.hivemq.com/download →