WEBINAR

Power-up Digital Transformation in Breweries with MQTT Sparkplug



Hosted By HIVEMQ

In Collaboration With N3uron





Speakers



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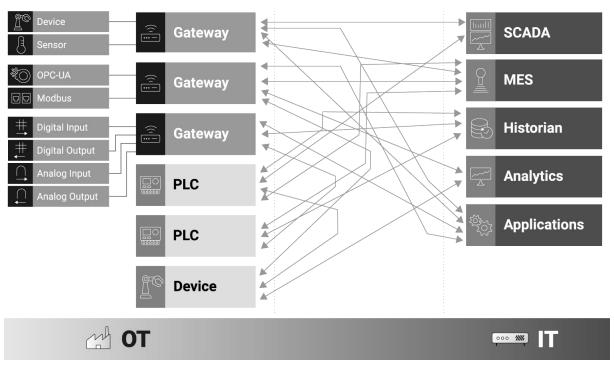
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Goals for Digital Transformation



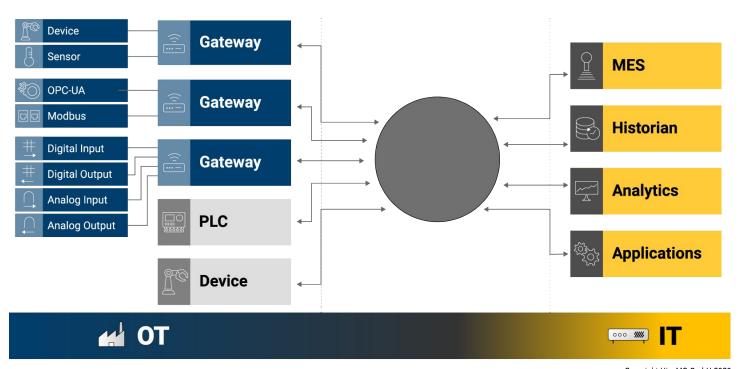
- Improving Operational Efficiency
- Enhancing Customer Satisfaction
- Boosting Innovation and Agility
- Increasing Competitiveness

Challenge - Data Integration Complexity



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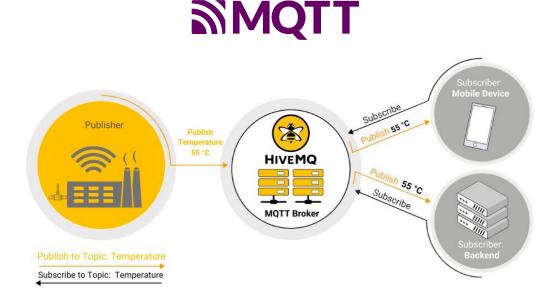
Solution - Decoupled Architecture



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What is MQTT?

- A standard binary publish-subscribe messaging protocol designed for fast and reliable data transport between devices especially under very constrained conditions
- Constraints include unreliable network connectivity, limited bandwidth, limited battery power, and so on
- Built on top of TCP/IP
- Ideal for the Industrial Internet of Things



What does Sparkplug offer for IIoT?



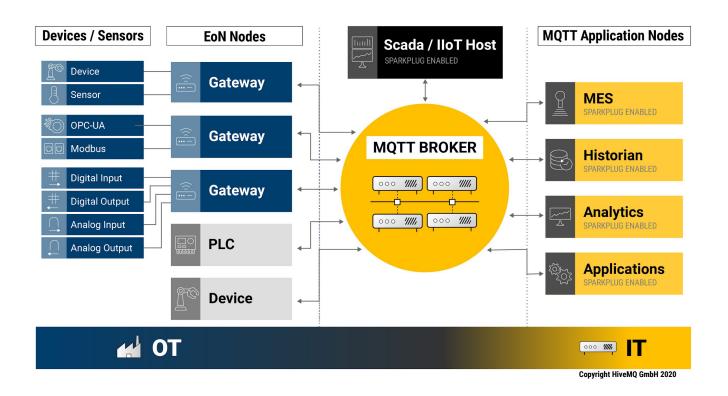


GitHub - eclipse-sparkplug/sparkplug

Sparkplug defines:

- MQTT Topic Namespace
- MQTT State Management
- MQTT Payload

MQTT Sparkplug Architecture



Demo

How To Create MQTT Broker Instance on HiveMQ Cloud?



Main Benefits from Digital Transformation



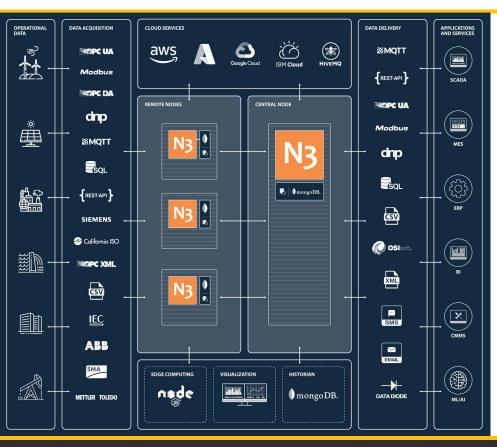
- Increase efficiency and performance on the shop floor.
- Quality control improvements.
- Guarantee regulatory compliance.
- Reduce energy use.
- Enable product innovations

Challenges



- Huge number and variety of data sources.
- Integrating data from multiple systems across multiple plants.
- Time and cost of integration projects.
- Fear of exposing operational systems to cyber-threats.
- Lack of skilled human resources.

N3uron: Industrial IoT Platform



Unmatched Data Connectivity and Edge Computing Capabilities:

- Modular configurability.
- Cross-platform.
- Unlimited license.
- Web-based.
- Rapid deployment and development.
- Extremely efficient.
- Scalable and versatile architecture.

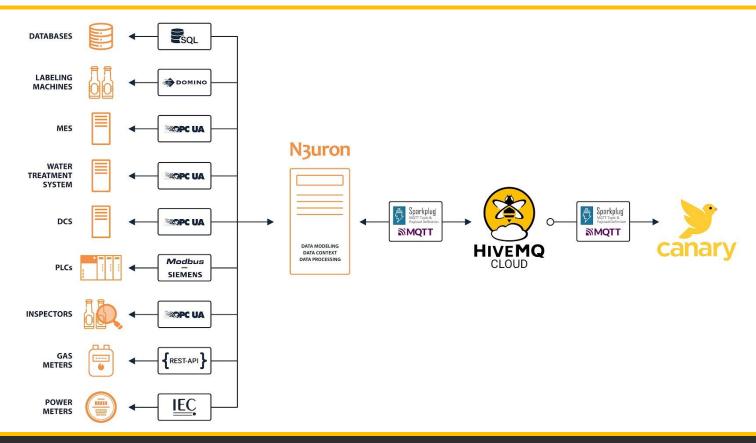
N3uron: Industrial IoT Platform



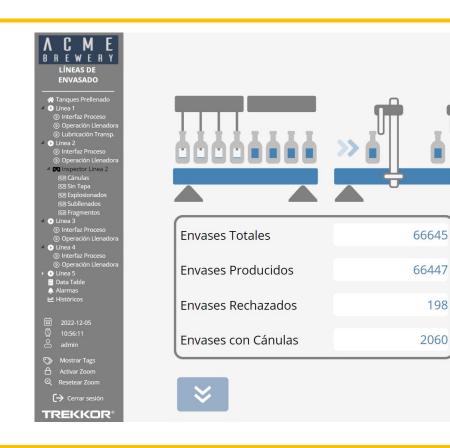
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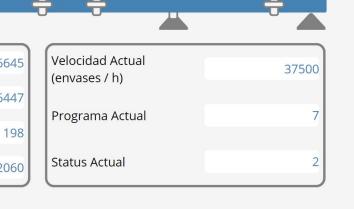
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Architecture



Inspectors

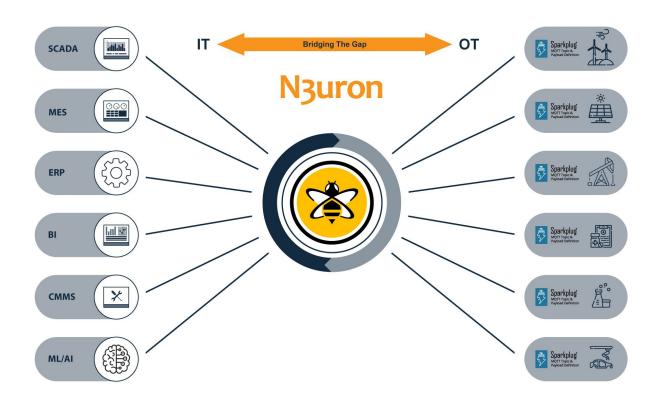




Demo



OT/ IT Interoperability



Next Steps



New to MQTT Sparkplug? Get the MQTT Sparkplug Essentials eBook



Get started with HiveMQ today: https://www.hivemq.com/downloads/



Download our free trial today: https://www.n3uron.com/downloads/

THANK YOU

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