Webinar

How to Set up, Run and Scale a Secure MQTT Broker on Kubernetes









WELCOME



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- How to operate a reliable & scalable HiveMQ Deployment
- How to take advantage of utilities
- HiveMQ Kubernetes Operator



TECHNICAL IOT CHALLENGES



Scalability

Massive scalability required for millions of devices

Instant Data Delivery

Critical systems need reliable and instant data transfer

Unreliable Networks

Excellent customer experience for IoT apps and devices



HiveMQ - Enterprise MQTT Broker



- Connectivity and Messaging Platform
- Based on standard IoT protocol (MQTT)
- 100% compatible to all MQTT versions (v3.1, v3.1.1, v5)
- Scales to more than 10 million always-on devices
- Allow multi-cloud and Enterprise software integration



HiveMQ is Unique

Massive IoT Scale Deployments

Elastic Clustering & Auto Heal

Integration with third party systems

Traceability & Reliability

Enables companies to seamlessly connect 10+ million devices

- Allow to scale cluster nodes up and down depending on IoT device traffic
- Automatically reconnect split cluster nodes due to network interruptions
- Extension framework allows to integrate with nearly any external system
- Possibility to audit single client message flows
- DevOps metrics and dashboard across devices and cluster





Scalability

IoT Solutions need to scale to accommodate growth (100s - 1,000,000s of devices)

- Scale up and scale down to accommodate spikes
- Scale your deployments dynamically





Business critical Operations

24/7 operation of all IoT applications

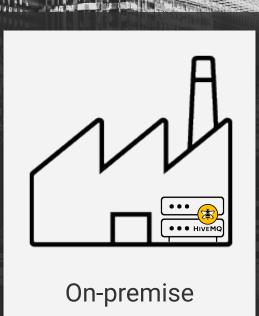
Continuous monitoring

Fast reaction in failure cases to establish a continuous user experience



Deployment Agnostic











Google Cloud



Self-hosted



Managed Service





Time to Market

Continuous Deployment

No handoffs between different teams

DevOps culture: You built it, you run it

Fast and continuous application updates





KUBERNETES COMES TO THE RESCUE





- Open-source **container-orchestration system** for automating deployment, scaling & management of containerized apps
- Allows you to run distributed systems resiliently
- Mighty features like automated rollouts and rollbacks, self healing and load balancing

Uses declarative description of desired state











THANK YOU

For attending the webinar



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