

WEBINAR

Learn About Scalability From the HiveMQ 200 Million Benchmark

Hosted By  **HIVEMQ**



SPEAKERS



Dr. Vladimir Podolskiy

Distributed Systems Specialist at HiveMQ

✉ vladimir.podolskiy@hivemq.com

 [linkedin.com/in/vladimirpodolskiy/](https://www.linkedin.com/in/vladimirpodolskiy/)



Tamer Shahin

Engineering Manager at HiveMQ

✉ tamer.shahin@hivemq.com

 [linkedin.com/in/tamershahin81/](https://www.linkedin.com/in/tamershahin81/)



Gaurav Suman

Director of Product Marketing at HiveMQ

✉ gaurav.suman@hivemq.com

 [linkedin.com/in/grvsmn/](https://www.linkedin.com/in/grvsmn/)



Numbers in Context

Penetration of smart home devices



14.2%

Y-o-Y Change

Digital fitness & well-being devices users worldwide



1.28 Billion

Average annual spend on digital fitness and wellbeing per user



\$63.71

Source: Meltwater

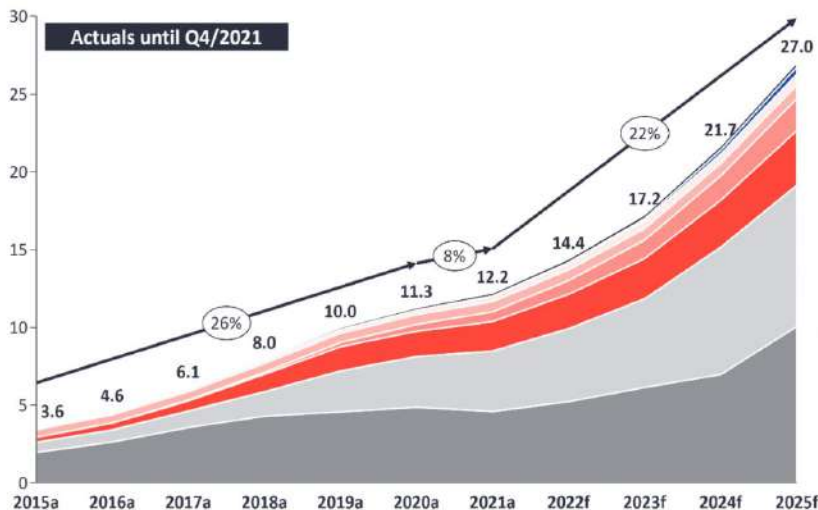
- One-third of the world's population is yet to come online
- Nearly 15% of all households own a smart device



The Internet of Things is HUGE

Global IoT Market Forecast [in billion connected IoT devices]

Number of global active IoT Connections (installed base) in Bn



CONNECTIVITY TYPE	CAGR 20-21	CAGR 21-25
Wireless Neighborhood Area Networks (WNAN)	17%	11%
5G IoT	-	159%
Other	22%	20%
Wired IoT	4%	7%
LPWA	42%	34%
Legacy Cellular (2G/3G/4G)	16%	17%
Wireless Local Area Networks (WLAN)	19%	24%
Wireless Personal Area Networks (WPAN)	-5%	22%

XX% = CAGR

Note: IoT Connections do not include any computers, laptops, fixed phones, cellphones or tablets. Counted are active nodes/devices or gateways that concentrate the end-sensors, not every sensor/actuator. Simple one-directional communications technology not considered (e.g., RFID, NFC). Wired includes Ethernet and Fieldbuses (e.g., connected industrial PLCs or I/O modules); Cellular includes 2G, 3G, 4G; LPWAN includes unlicensed and licensed low-power networks; WPAN includes Bluetooth, Zigbee, Z-Wave or similar; WLAN includes Wi-fi and related protocols; WNAN includes non-short range mesh, such as Wi-SUN; Other includes satellite and unclassified proprietary networks with any range.

Source: IoT Analytics Research 2022. We welcome republishing of images but ask for source citation with a link to the original post and company website.

IoT Solving the Most Pressing Problems

Climate Change

Natural Disaster Management

Healthcare

Security

Agriculture

Aging Population






Retail

Urbanization



HiveMQ Customers

- Building new digital products
- Improving customer experience
- Creating more efficient operations

			
 LIBERTY GLOBAL			
 Mercedes-Benz			
			

<https://www.hivemq.com/customers/>

MQTT for IoT Data Movement

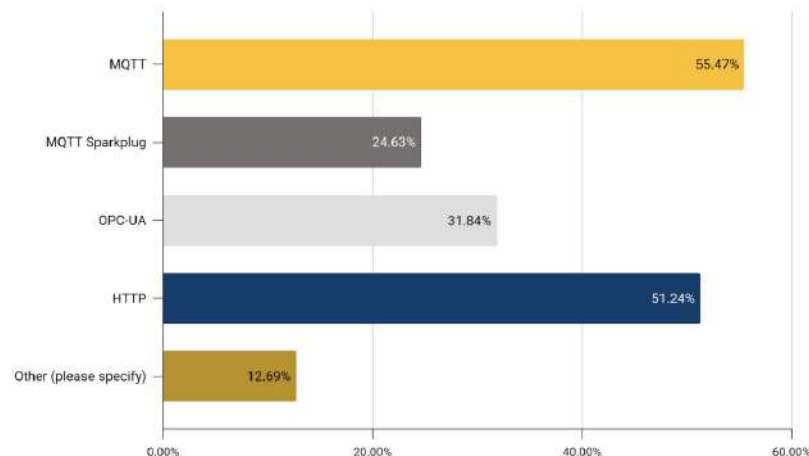
MQTT is the de-facto for IoT messaging because it:

- Uses a pub/sub architecture
- Is lightweight and efficient
- Supports bi-directional messaging device to cloud
- Can scale to millions of connected devices
- Works well over unreliable networks
- Is security enabled, working with TLS and common authentication protocols

Which of the following data movement tools do you consider essential to fulfill your IIoT strategy?

Select all that apply

IIoT World Survey October 2022



50% of survey respondents say MQTT is strategic to fulfill their IIoT strategy

Technology Leadership

HiveMQ actively promotes the use of MQTT and takes a leadership role in the:

- MQTT Technical Committee
- MQTT-SN Technical Committee
- Sparkplug Workgroup Steering Committee
- Sparkplug Specification Committee
- Eclipse IoT Working Group



Demo

[Watch it here](#)



Next Steps



[Get your copy of the whitepaper.](#)

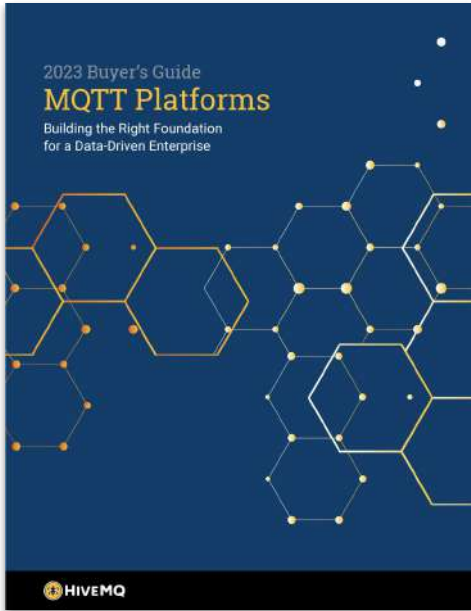


HIVEMQ

[Get started with HiveMQ today.](#)



Resources



Still not sure if our MQTT Broker fits your usecase?

[Get your copy of 2023 MQTT Buyer's Guide .](#)



THANK YOU

Contact Details

Dr. Vladimir Podolskiy: vladimir.podolskiy@hivemq.com | [linkedin.com/in/vladimirpodolskiy/](https://www.linkedin.com/in/vladimirpodolskiy/)

Tamer Shahin: tamer.shahin@hivemq.com | [linkedin.com/in/tamershahin81/](https://www.linkedin.com/in/tamershahin81/)

Gaurav Suman: gaurav.suman@hivemq.com | [linkedin.com/in/grvsmn/](https://www.linkedin.com/in/grvsmn/)

