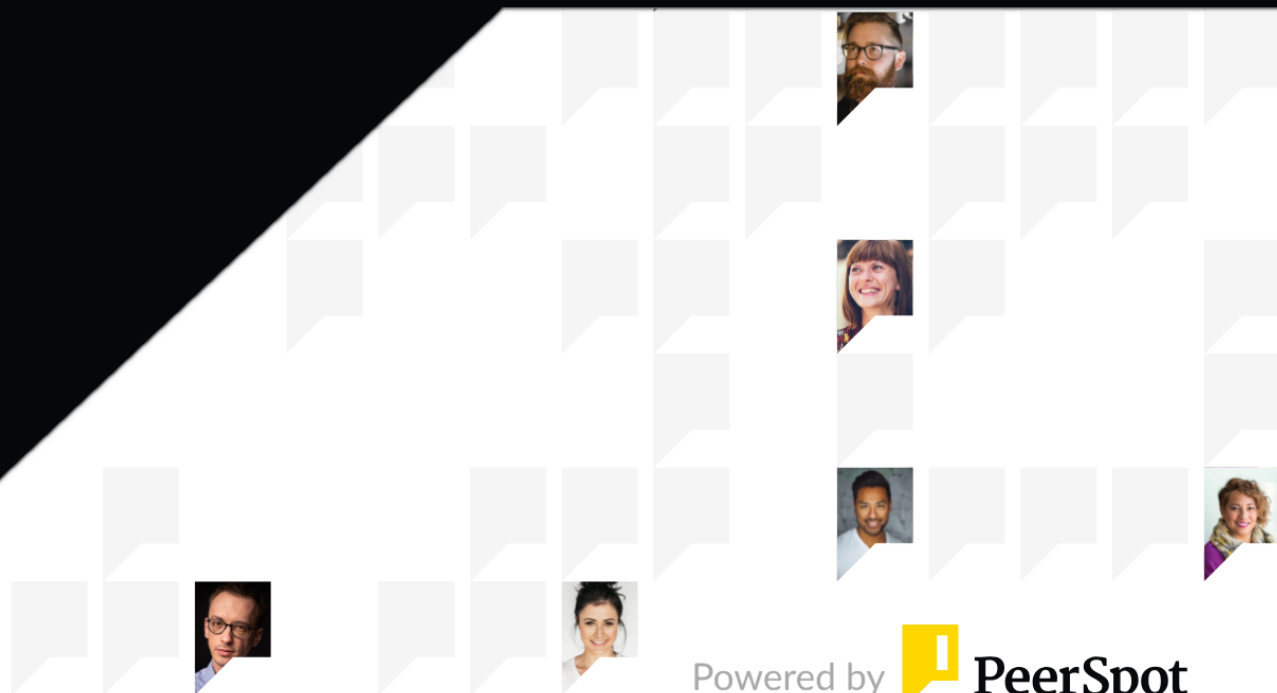


aws marketplace

EMQX

Reviews, tips, and advice from real users



Powered by  PeerSpot

Contents

Product Recap..... 3 - 4

Valuable Features..... 5 - 12

Other Solutions Considered..... 13 - 15

ROI..... 16

Use Case..... 17 - 20

Setup..... 21

Customer Service and Support..... 22

Other Advice..... 23 - 25

Trends..... 26 - 27

About PeerSpot..... 28 - 29

Product Recap

 EMQX

EMQX Recap

EMQX is a scalable open-source MQTT broker designed to connect millions of IoT devices reliably. It is known for its high availability and robust performance, making it a go-to choice for enterprises seeking efficient data transmission across IoT ecosystems.

EMQX offers advanced features supporting complex IoT use cases and ensures seamless data flow with low latency. It supports a wide range of protocols and is suitable for industrial IoT, smart homes, and automotive sectors. Developers favor EMQX for its real-time analytics capabilities and flexible architecture that allows integration with diverse back-end systems. It enhances operational efficiencies by providing comprehensive monitoring and management capabilities.

What are the key features of EMQX?

- **Scalability:** Connect millions of devices simultaneously without compromising performance.
- **Protocol Support:** Offers support for MQTT, WebSocket, CoAP, and other protocols.
- **Real-Time Analytics:** Delivers insights with built-in data-processing functionalities.
- **High Availability:** Ensures continuous operation with clustering and failover mechanisms.
- **Flexible Integration:** Integrate effortlessly with cloud services and various databases.

What benefits or ROI should be expected with EMQX?

- **Cost Efficiency:** Lower operational costs by optimizing data flow management.
- **Enhanced Reliability:** Increased reliability in data collection and transmission.
- **Performance Boost:** Improved device response times and reduced latency.
- **Robust Security:** Strengthens data protection with encrypted communication channels.

EMQX contributes significantly in industries like transportation, where it facilitates real-time data exchange between connected vehicles. In manufacturing, it enhances monitoring and control of production lines, leading to increased productivity and reduced downtime. Smart city solutions leverage EMQX for efficient public service management, making it a versatile choice in diverse settings.

Valuable Features

Excerpts from real customer reviews on PeerSpot:



“EMQX is a solid open-source project for making IoT devices connect anywhere in the world.”



Akshya Akshya

Senior Software Engineer



“The best features EMQX offers in my experience are that it can send messages for a large number of customers with a very high message-per-second rate while consuming low resources.”



Kevin Pham

Java Technical Lead at a financial services firm with 501-1,000 employees



“EMQX will boost your product sampling rate and transmission so that you can achieve a large amount of data without any loss while transmitting through the internet.”



Verified user

SaaS Company



“The outcomes from using EMQX are very cost-saving for us because we previously used the MQTT Mosquitto broker, and when I compare Mosquitto with EMQX, EMQX is far better than Mosquitto and other protocols.”



Tharun K

Software Engineer at a outsourcing company with 1,001-5,000 employees



“EMQX has positively impacted my organization in many ways, particularly by making our main agenda of getting stock details and connecting users to our real-time protocol much easier.”



Yuvaraj Manjunatha

Senior DevOps Engineer at Appreciate Wealth Private Limited



“EMQX remains live and matured, allowing us to scale it, and we continue using EMQX without requiring to switch to any other offerings as it still works best and is resilient.”



Ketan Mehta

Staff Software Engineer at a tech vendor with 5,001-10,000 employees



“The best features EMQX offers are that it is highly scalable and cheaper than other brokers, plus we can use our own back-end services integrated to it for authentication and authorization.”



Shoque Shoque

Senior Software Engineer at a tech vendor with 51-200 employees

What users had to say about valuable features:

“The best features EMQX offers are that it is highly scalable and cheaper than other brokers, plus we can use our own back-end services integrated to it for authentication and authorization.

I find the integration process with our back-end services for authentication and authorization to be smooth.

EMQX has positively impacted our organization because, as I have already mentioned, it is quite cheaper compared to other enterprise-level brokers we were using, and we find it very easy to maintain and manage, making it quite impactful in our company..”

Shoque Shoque

Senior Software Engineer at a tech vendor with 51-200 employees

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“The best features EMQX offers in my experience include the EMQX configuration file, auth file, and HTTP file, which help us to get the relevant data, and EMQX is fantastic for dashboard creation, allowing us to fetch data for our mobile or web-based applications using multiple sources.

The dashboard specifically helped my team to understand how many clients got connected via our EMQX module connection, allowing us to track the health of the EMQX container, such as CPU usage and real-time connections, all tracked via the dashboard alongside multiple config files managing WSS connections.

EMQX has positively impacted my organization in many ways, particularly by making our main agenda of getting stock details and connecting users to our real-time protocol much easier..”

Yuvaraj Manjunatha

Senior DevOps Engineer at Appreciate Wealth Private Limited

[Read full review](#) 

“EMQX UI is very best, allowing users to easily get used to it without digging through documentation. EMQX also scales well with easy configuration, enabling users to get their cluster created and get started quickly. The consumption from EMQX is very convenient, such as connecting your application to EMQX servers and all nodes, so that was also easy. Performance-wise it was very great; it also offers ACL, options such as message size limitation, blacklisting certain client IDs, and supports MQTT new protocol such as MQTT 2, which is also a good thing.

EMQX allowed us to scale our product very easily, enabling us to add multiple nodes as needed and perform regional deployments such as a standby EMQX cluster. Management was easy as we did not need 24/7 maintenance or support for that since everything was well documented on the EMQX website and the community support was great..”

Ketan Mehta

Staff Software Engineer at a tech vendor with 5,001-10,000 employees

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“The best features EMQX offers include a message queue management system, a dashboard, a control center, and some really useful debugging tools.

“Out of those features, I find myself using MQTT streams the most or find them the most valuable in my workflow.

“EMQX has positively impacted my organization because we didn't get any issues about MQTT; it just works.

“This reliability has saved my team time and resources, as we don't spend time on debugging MQTT or the MQTT server; it just works and saves time..”

Verified user

CEO at a tech services company with 1-10 employees

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“The best features EMQX offers in my experience are that it can send messages for a large number of customers with a very high message-per-second rate while consuming low resources. When I use an EMQX cluster with three node cores with four CPUs and eight gigabytes of RAM, and three node replicas with eight CPUs and 16 gigabytes of RAM, I can send outgoing messages up to two million messages per second for all my customers who are online at that time.

EMQX has good performance and sends messages with low latency. When I send a message, the latency is less than 100 milliseconds, which is very improved message latency.

When I changed from a trading bot using WebSocket to EMQX, I was able to cut down costs by half of the resources from before. My service has durability and scalability that is very easy to achieve..”

Kevin Pham

Java Technical Lead at a financial services firm with 501-1,000 employees

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“The best features of EMQX for me are that it is user-friendly, with a UI and dashboard that are easy to understand, allowing people to comprehend it quickly and finish their projects efficiently. There are many tutorials on YouTube and Google about EMQX that are clear and easy to understand, making it superior compared to other platforms.

EMQX has positively impacted my project because I received a good grade, which has been truly impactful for me, and it helped my project finish perfectly.

EMQX helped me complete my project perfectly because when I compared it to other platforms, EMQX truly fits my needs and my project, allowing me to explain my output more clearly to my lecturer, and ultimately I received a good grade, so it has been very helpful.

I am grateful because EMQX allows users to add not just one device but many devices, and it is a really compatible broker where I can implement my IoT device using EMQX perfectly with no delays..”

Muhammad Afin

[Read full review](#) 

Research Engineer at a consultancy with 11-50 employees

Other Solutions Considered

“I cannot remember clearly if I used a different solution before EMQX, but I did use other solutions that did not satisfy me enough, so when I tried EMQX, I was satisfied and I continue to use it..”

Muhammad Afin

Research Engineer at a consultancy with 11-50 employees

[Read full review](#) 

“Before choosing EMQX, I evaluated other options and tried other software or platforms that did not satisfy me and did not suit my project, and when I tried EMQX, it suited my needs perfectly, so I chose to use it..”

Muhammad Afin

Research Engineer at a consultancy with 11-50 employees

[Read full review](#) 

“Before choosing EMQX, I evaluated other options such as Mosquitto and other MQTT protocol solutions, but I do not remember all the tech stacks I researched, as it was a long time ago..”

Kevin Pham

Java Technical Lead at a financial services firm with 501-1,000 employees

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“I previously used a different solution before EMQX.

Before EMQX, I used WebSocket. When I changed to EMQX, I found that EMQX is very good for my needs..”

Kevin Pham

Java Technical Lead at a financial services firm with 501-1,000 employees

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“When switching from VerneMQ, EMQX was the first solution looked into while conducting the POC. When it satisfied all use cases easily, there was no reason to look back, and it was implemented right away because there was no desire to waste time. EMQX provided value right away. No other solutions were used or considered..”

Akshya Akshya

Senior Software Engineer

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“The organization previously used other options such as VerneMQ or HiveMQ. When the switch to EMQX was made because it was so developer-friendly, there was no need to go back and re-implement VerneMQ. The organization moved on to EMQX and stayed there because it provides so much value to the product. There was no reason to look back, and that represents the return on investment. As a developer, if time is invested and a POC stays for the longer run, that is what return on investment means.

The previous solution was VerneMQ, and the switch was made because the implementation of authentication and authorization was not developer-friendly, and there was not much control over the schemas from a developer perspective. With EMQX, a schema is defined and everything is controlled by the organization's own IP. Whatever the use case is, it can be played around with, and security gateways can be implemented easily. With VerneMQ in place, that was not nearly as easy..”

Akshya Akshya

Senior Software Engineer

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ROI

Real user quotes about their ROI:

“Regarding return on investment, I am not sure about the money perspective, but I heard from my manager that we need one extra engineer to set up things..”

Shoque Shoque

Senior Software Engineer at a tech vendor with 51-200 employees

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Use Case

“My main use case for EMQX is for my project to be controlled by phones and devices using the internet with the MQTT communication protocol. I use EMQX to control and monitor my project with multiple devices because EMQX allows users to grant control across many devices..”

Muhammad Afin

Research Engineer at a consultancy with 11-50 employees

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“My main use case for EMQX is using it as a broker for MQTT. In our projects, we use EMQX as an MQTT broker because we are an IoT-based company where devices are provisioned or connected to our cloud through MQTT, allowing devices to send data to our services, back-end service, or cloud using an MQTT connection through EMQX..”

Shoque Shoque

Senior Software Engineer at a tech vendor with 51-200 employees

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“My main use case for EMQX is transporting messages via WebSocket and TCP for streaming data, specifically streaming prices on the trading board of VNDIRECT.

For chatbox messaging or data streaming, I use EMQX as a message broker. When a user sends a message, I use EMQX to send that message to people in my room. With the trading bot, I use EMQX for streaming messages. When I receive a message from Hanoi X and HoSE, I convert the message and send it to the customer who is using a trading bot to monitor price changes.

I use EMQX for my chat platform and message streaming for a trading bot..”

Kevin Pham

[Read full review](#) 

Java Technical Lead at a financial services firm with 501-1,000 employees

“My main use case for EMQX is a stable and scalable IoT message queue.

“I use EMQX in one of my projects specifically with ESP32 and Argon and Boron embedded chips, and I program them to send and receive messages via EMQX with MQTT channel.

“Regarding my main use case, I'd like to add that EMQX has a good interface and control center, and it's better than standalone MQTT..”

Verified user

[Read full review](#) 

CEO at a tech services company with 1-10 employees

“My main use case for EMQX is for the streaming part, as we are a fintech-based startup using EMQX to get stock price details from DriveWealth. We have an MQTT module where we use EMQX as a streaming module to stream the data.

EMQX fits into my workflow as we designed an MQTT module where it helps us to fetch the data from DriveWealth, which is a US-based entity, by using the endpoint where we can get the stream data, thus allowing multiple users to access the stock information.

In terms of my main use case with EMQX, we were using a Docker pulled image of EMQX for the admin panel to see how many clients are connected, how long they are connected, and we have an auth plugin, so all streamed data was able to be fetched with the dashboard..”

Yuvaraj Manjunatha

Senior DevOps Engineer at Appreciate Wealth Private Limited

[Read full review](#) 

“EMQX remains live and matured, allowing us to scale it, and we continue using EMQX without requiring to switch to any other offerings as it still works best and is resilient.

EMQX was a completely new feature and the maintenance effort was not there previously, but we did not require any maintenance as far as I recall in the past three to four years, as we did not need anything to restart or connect or reconnect the cluster; it was working smoothly for months and even years. Regarding improvement in latency, latency was just some milliseconds for every message delivery, ensuring all messages were reliably delivered. User engagement was a great experience where users did not face any issues while interacting via EMQX, whether it involved comments, emojis, or anything else. We even built an admin panel for comment moderation, where we saw EMQX messages flowing to the system, meaning the dashboard was very smooth..”

Ketan Mehta

Staff Software Engineer at a tech vendor with 5,001-10,000 employees

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Setup

The setup process involves configuring and preparing the product or service for use, which may include tasks such as installation, account creation, initial configuration, and troubleshooting any issues that may arise. Below you can find real user quotes about the setup process.

“My experience with pricing, setup cost, and licensing is that it is pretty convenient, though I do not handle the licensing or pricing communication, but I think it is pretty convenient..”

Shoque Shoque

[Read full review](#) 

Senior Software Engineer at a tech vendor with 51-200 employees

Customer Service and Support

“I have not used customer support for EMQX because I can understand it on my own by watching tutorials on YouTube, even if they are not from the official EMQX customer service, so I am satisfied with self-learning..”

Muhammad Afin

Research Engineer at a consultancy with 11-50 employees

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“The open-source version of EMQX is used, so there is no customer support to speak of. The documentation is exceptional and so developer-friendly that customer support is not needed. The documentation has been maintained very much with developers in mind..”

Akshya Akshya

Senior Software Engineer

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Other Advice

“My advice for others looking into using EMQX is that when someone I know wants to try to build an IoT project, I will recommend them to use the MQTT protocol communication, which can be integrated with EMQX. I have no additional thoughts about EMQX before we conclude; it is perfect. I would rate this review a ten out of ten..”

Muhammad Afin

Research Engineer at a consultancy with 11-50 employees

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“I think others looking into using EMQX can do a small POC to see from all aspects whether EMQX fits their requirements, not just the current one but future expansion as well, before deciding which one is better, as there might be other alternatives to evaluate as well. I have given this product a rating of eight..”

Ketan Mehta

Staff Software Engineer at a tech vendor with 5,001-10,000 employees

[Read full review](#) 

“EMQX is a pretty good product, and I am satisfied with it.

My advice for others looking into using EMQX is that it provides a better and more efficient way of getting data streams and better visualization for your product, along with easy integration and go-to-market solutions. I would rate this product nine out of ten..”

Yuvaraj Manjunatha

Senior DevOps Engineer at Appreciate Wealth Private Limited

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“I would rate the customer support ten out of ten.

My advice for others looking into using EMQX is that if you want to achieve cost savings and you want to deploy on your private infrastructure or in your cloud or cluster, you can do so.

I think EMQX is a great product. I have given this review an overall rating of eight out of ten..”

Shoque Shoque

Senior Software Engineer at a tech vendor with 51-200 employees

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“My advice to others looking into using EMQX is that if anyone wants to use it for their microservices, they can try it. EMQX is very good for new developers who want to use it.

EMQX is a very good solution for a system with high performance and large

throughput messaging for clients using mobile or web applications. You can use the WebSocket feature of EMQX with SSL on port 8084. You can also use other features of EMQX such as webhooks. When I used authorization of EMQX, I faced issues regarding high load performance in my service backend. Therefore, anyone wanting to use authorization of EMQX should use [Redis](#) Auth. We changed from webhooks to using [Redis](#) Auth, and we achieved better performance. EMQX is a good solution if one is using authorization. I give this review a rating of eight out of ten..”

Kevin Pham

Java Technical Lead at a financial services firm with 501-1,000 employees

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“EMQX has a good interface and control center, and it's better than standalone MQTT.

“EMQX has a message queue management system, a dashboard, a control center, and some really useful debugging tools.

“EMQX has positively impacted my organization because we didn't get any issues about MQTT; it just works.

“This reliability has saved my team time and resources, as we don't spend time on debugging MQTT or the MQTT server; it just works and saves time.

“The advice I would give to others looking into using EMQX is to try it with the cloud MQTT server, which is managed by the EMQX company.

“I would rate this product a ten out of ten..”

Verified user

CEO at a tech services company with 1-10 employees

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Top Industries

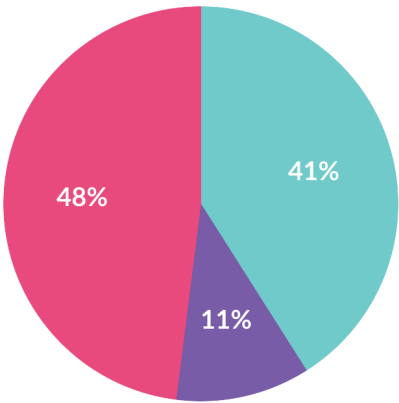
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Company Size

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Large Enterprise Midsize Enterprise Small Business

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