Introducing The TxMQ MQ Virtual Appliance

The Benefits Of IBM’s New MQ Appliance In A Virtualized Solution

Solution Highlights

- A scalable option to grow with your demands
- Maximize your virtual environment and reduce TCO in your hardware space
- Based on the hardened Red Hat Enterprise Linux 64-bit platform with IBM MQ V8.x
- Simple, fast setup for standing up or extending your MQ Messaging environment
- Leverage existing MQ entitlements by repurposing other MQ licenses (where available)
- Unparalleled reliability with high-availability and built-in features
- Accomplish more with fewer appliances to reduce datacenter space, power costs and management burden
- Choose between 2 modes: standalone or high-availability
- Customize the MQ Console browser-based interface for monitoring and configuration
- Expand or contract depending on your MQ messaging needs

MQ Virtual Appliance: Messaging That Keeps Pace With The Digital Economy

As businesses grow, integration points and messaging need to escalate. The operation and maintenance of multiple messaging servers can become overwhelming and expensive, with longer configuration times and more points of failure. IT departments are burdened by the need to navigate higher-maintenance changes alongside the management of various hardware and operating systems. Messaging infrastructure must also grow with demand and still deliver high performance and seamless connectivity. With a virtualized appliance, your messaging infrastructure can scale to fit your specific business needs. This new approach to MQ infrastructure is fast to deploy, simple to maintain, reliable, secure and cost-effective.

TxMQ: An Industry Leader In MQ Deployment And Maintenance

TxMQ is an IBM Premier Business Partner with a proven track record that spans more than 35 years. The company recently announced its MQ Virtual Appliance – a new way to MQ.

This virtual appliance leverages a security-hardened Red Hat Enterprise Linux (RHEL) image, coupled with the latest version of MQ (version 8.x) to deliver a scalable virtual device that can grown with your IT demands.

TxMQ’s MQ Virtual Appliance brings to the datacenter a messaging engine that’s fast to deploy and set up, yet still supports the standard
MQ administration tools like MQ Explorer alongside monitoring favorites like Tivoli Monitoring for MQ, Nastel’s Autopilot and more.

The Benefits Of MQ Appliance Virtualization

TxMQ’s MQ Virtual Appliance optimizes your MQ infrastructure by operating in a hardened RHEL environment. As a virtual appliance, this MQ solution offers rapid deployment of enterprise messaging and simpler administration – both in day-to-day operations, and for planned patching and maintenance.

Benefits

✓ Seamless MQ integration: Increase efficiency & reduce costs by integrating with your existing virtual environment
✓ Simple, with high-availability and built-in features. Paired connectivity to another appliance offers a simpler and more robust solution
✓ High-availability using GPFS – all realtime updates managed by GPFS
✓ Virtual MQ Console provides a browser-based user interface
✓ Reduce TCO: Decrease datacenter space, power costs and management burden
✓ Deploy remotely: Use at partner and other locations without the need for local setup and knowledge
✓ Capability partnership: Get the virtual appliance and dedicated TxMQ SME to deploy and maintain it all
✓ Possibly leverage existing investment in other MQ licenses
✓ Optionally deploy TxMQ’s Qpacity™ for MQ capacity planning

TxMQ is an IBM Premier Business Partner and can offer you a fixed 30-day downloadable trial of the MQ Virtual Appliance for your virtual environment. Once your trial is completed, TxMQ will provide you with a license file to enable your MQ. You drive the decision-making process – tell TxMQ what you need and pay for only what you use.

Architecture That Grows With You

Simplify your complex messaging infrastructure with an appliance that can be managed by your virtual environment. Unlike a physical appliance, the MQ Virtual Appliance from TxMQ is more scalable, fits into your current virtual environment and operates in two modes – standalone (SA) or high-availability (HA). Your virtual appliance can be utilized with either VMWare or RHEL 6. The development, deployment and maintenance can be supported by the IT professionals at TxMQ.

TxMQ can lighten the burden on your IT staff by offering you a capability partnership and access to a talent pool filled with highly trained IT professionals who can plan, deploy and maintain your MQ Virtual Appliance. Your current staff does not need to step away from mission-critical projects to implement the solution.

The Solution To Your Most Challenging MQ Needs

The MQ Appliance deployed into a virtual environment empowers you to keep up with customer demand. Financial institutions can communicate customer data to various locations more quickly and reliably. Utilities companies can enable real time meter reads, With the MQ Virtual Appliance, healthcare organizations can establish worry-free reliable connectivity between multiple software vendors. With its unique scalability features, both midsized and enterprise businesses can benefit from flexible MQ messaging managed by a virtualized environment.
Need: Reduce overall operating costs and optimize the servers that run MQ.

Solution: Improve operational efficiency and ease of future migration with the MQ Virtual Appliance. Standardize your infrastructure and move the queue managers into a virtual environment where multiple applications can connect with MQ Clients. Quick and easy to deploy, the MQ Virtual Appliance reduces operational costs by consolidating your MQ infrastructure with familiar MQ administrator interfaces.

Need: Resilient connectivity to a remote part of your organization that has limited onsite infrastructure and scarce local MQ skills.

Solution: With virtualization, you never have to stress about addressing a hardware failure, application problem or power outage in a remote part of your organization. Deploying the IBM MQ Appliance in a virtual environment emphasizes efficiency and simplicity, without worry about on-location configuration. With unparalleled customer support, TxMQ can assist with deployment and maintenance in remote areas of your organization that may have little or no onsite IT support.

Need: Tight control of your messaging and application capabilities using highly sensitive security features.

Solution: Many businesses, especially in the finance and utilities industries, need reliable and secure MQ connectivity with outside systems and business partners. TxMQ’s MQ Virtual Appliance can securely connect to and manage communication with diverse servers, systems and partners. We deploy an IBM MQ Appliance in your existing virtual environment, which acts as the frontend within your enterprise to which the partner MQ channel connects. Our virtual appliance lowers risk, improves reliability and enhances performance.

Even though TxMQ’s personalized MQ Console makes deployment and management easy, you can still rely on TxMQ’s IT professionals to support your current staff or lead the project.

Faster Deployment And Better Integration Of Queue Managers

The TxMQ Virtual MQ Appliance can deploy one or multiple Queue Managers in a scalable virtual environment. The ability to deploy multiple queue managers speeds up deployment, offers scalability and uses less datacenter space, power and management. The MQ Virtual Appliance integrates seamlessly into your virtual environment and with your existing MQ infrastructure.

MQ queue managers can participate in clusters and exchange messages with other MQ queue managers or MQ clients, regardless of how the other queue managers are deployed. The MQ Virtual Appliance provides businesses with an additional deployment option that runs alongside traditional, software-based MQ deployments.

Features

- **Virtual machine**: Save costs by eliminating the need for another server and save time without needing to download Windows
- **Performance**: 2 cores and 4gb of RAM, and scalable as you use more resources in your virtual environment
- **Standalone (SA) Mode**: Import your existing virtual environment. TxMQ can configure MQ alongside it and support MQ exploration for MQ managers
- **High Availability (HA)**: Embed storage or replicate storage, and can run in multi-instance mode. MQ can run on primary or secondary mode, with the virtual appliance connected to queue manager. Can be deployed with IBM BigIP
- **Secure**: Full security enabled and advanced, with varying options depending on your license
End-To-End Message Security

TxMQ’s MQ Virtual Appliance offers end-to-end message security, including the IBM MQ Advanced Message Security function, which encrypts message contents. You can also securely integrate into other MQ software deployments that use MQ Advanced Message Security.

Why Partner With TxMQ?

Industry Leaders in IT

For more than 35 years, TxMQ has deployed solutions that meld information technology and business strategy to enable effective operations and deliver proven successes. As an IBM Premier Business Partner, TxMQ provides architecture consulting, managed services and hybrid talent solutions that enable organizations worldwide to benefit from the establishment, implementation and long-term management of intelligent business solutions.

Dynamic Systems of Engagement

Get the technology needed to ensure all your mission-critical systems interact effectively. TxMQ provides event correlation and decision management solutions that include predictive analytics, automation and business-performance management.

Secure Integration

With today’s security challenges, companies need strategies to integrate security protocols across all systems. TxMQ’s solutions evolve business strategies to meet the challenges of security, scale and core IT-service control.

Nimble Infrastructure

Today, more than 80% of companies operate in the cloud. TxMQ solutions help companies embrace new opportunities in proximity to cloud, virtualization and automation.

TxMQ Leadership Team

Chuck Fried, President
Tel: +1 (716) 636-0070
Email: chuck@txmq.com

Miles Roty, VP, Services & Support
Tel: +1 (716) 636-0070
Email: miles@txmq.com

Cindy Gregoire, Practice Manager
Tel: +1 (716) 636-0070
Email: cindy@txmq.com

Administration & Maintenance

- Designed to be familiar to existing MQ administrators
- MQ Console is used to define and administer MQ capabilities
- Provides remote administration of IBM MQ Appliance
- Configuration of the IBM MQ Appliance queue managers and resources is quick, and can be achieved by copying existing MQ queue managers or by use of MQSC scripts
- Administrators can customize a dashboard to show a view of key resources, and receive guidance regarding unused appliance capacity
- MQ administrators can own and maintain the MQ Appliance or TxMQ can provide the support
- Certified tests and appliance updates
- Eliminate the need to manage different MQ installation scripts for each platform

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