



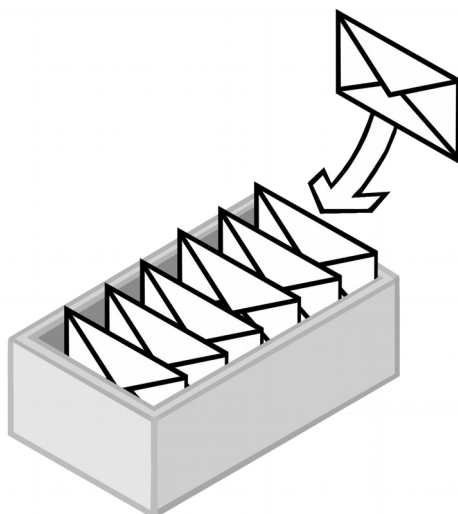
***MQ Technical
Conference v2.0.1.7***

September 25 - September 27, 2017

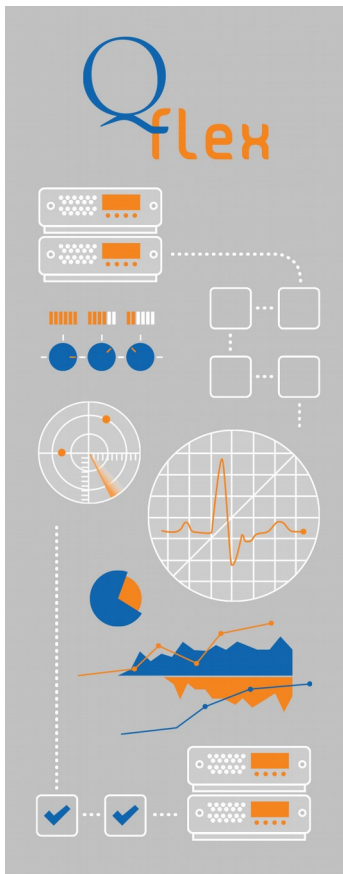
Sandusky, Ohio

www.mqtechconference.com

Conference Directory



MQ Technical Conference v2.0.1.7 is the largest conference in the world solely dedicated to IBM MQ.



Monitor WebSphere MQ and IIB Health

Qflex is the most advanced, middleware monitoring product. Detect issues with queues, queue managers, brokers and flow automatically. Just add resources to Qflex, we will take care of the rest.

No Agents. Easy to install and maintain.

Qflex has the lowest cost of ownership among competition because our product is agentless. Agent based products require constant upgrades and making sure that the agents themselves are running.

Detect fast and fix fast!

Qflex can detect product problems before they happen. For example if consumer disconnects from queue manager, Qflex will alert before queue begins to fill up.

Analyze your IIB flows

Qflex can help you understand Message Broker flow performance node by node. Spot bottlenecks right away. Historical performance will show exactly when performance dropped.

WebSphere MQ Change Management

With Qflex you can detect every change that has been made to WebSphere MQ as well as who made it and when. Using our change management facilities, you can approve changes, reject them or schedule for further deployment to other environments.

MQ Visual Edit V2 - The Next Generation. The #1 stand-alone commercial MQ message editing tool just got a whole lot better. Come see a demo of MQ Visual Edit V2 at Capitalware's booth during the Sponsor Pavilion or at Tuesday's 11:15AM session in the Aloeswood room.

MQ Visual Edit allows users to view, manipulate and manage messages in a queue and/or topic of a IBM MQ queue manager and presents the data in a simplified format similar to a database utility or spreadsheet program.

MQ Visual Edit is a great tool for application programmers, JMS developers, quality assurance testers, and production support personnel. The tool allows for quick problem solving because the data is presented in a very logical and insightful manner.

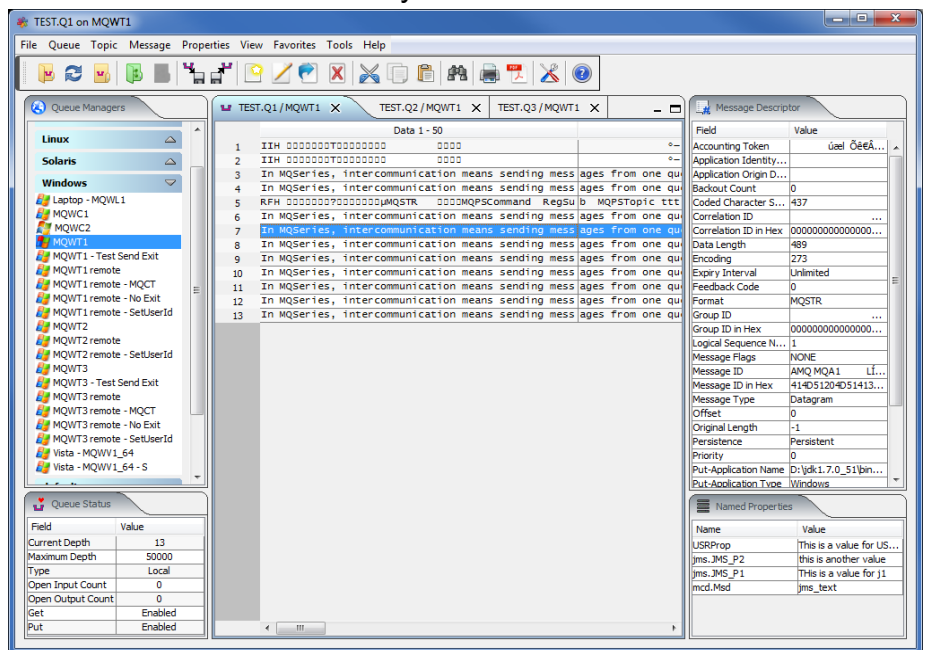


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General Information

Hotel Information

Kalahari Resorts 7000 Kalahari Dr, Sandusky, OH 44870. Phone number: 877-525-2427

Hotel Registration

Check-in begins at 4:00pm. Should you arrive as early as 12:00pm, you can pre-register and begin to enjoy the Waterparks. Check out is no later than 11:00am.

Luggage Storage

If you arrive early or check-out prior to the conclusion of the conference, please have the bell desk hold your luggage. Luggage will not be permitted in any of the sessions.

Ground Transportation

Taxis are available from the main hotel lobby. Call Kalahari's Concierge at 419-433-7200, ext. 34089 for scheduling and pricing. You can use Tom's Limo Service at 888-303-1669 for a shuttle.

Attire

Business casual attire is appropriate. Temperatures vary in the hotel.

Smoking Policy

Smoking is not permitted in the hotel or the conference area.

Cell Phones and Pages

Please turn off all cell phones and pagers when you attend sessions. It is distracting to both the speaker and the other attendees.

Conference Registration and Information

The conference Registration and Information Desk is located outside of the Zambezi room. It is open for registration on Sunday, September 24th from 5:00PM to 8:00PM and Monday, September 25th from 7:30AM to 12:00PM (noon).

Expenses

You are responsible for all travel, lodging and conference charges. Lodging and incidentals charged to your room are to be paid to the hotel upon check out.

Name Badges

Conference name badges must be worn and be visible for admittance to all scheduled sessions and meal functions, including the sponsor's pavilion.

Meals

Breakfast and lunch will be served each full day of the conference. There will be a morning coffee break and afternoon refreshment break each full day of the conference.

Sponsor Pavilion

Platinum Sponsors



Capitalware Inc. is a product development firm specializing in messaging middleware space. Capitalware Inc. sell 14 commercial products in the IBM MQ marketplace and 1 commercial product in the MQTT market. We also support 6 licensed as free products and 9 open source projects in the IBM MQ space. The products range from developer tools to security solutions. MQAUSX & MQ Visual Edit are Capitalware's leading products. MQ Visual Edit is by more than 900 companies worldwide, primarily large companies from the financial services & retail sectors.

Capitalware's newest product is MQTT Message Viewer. MQTT Message Viewer is an MQTT (MQ Telemetry Transport) client that connects to an MQTT Broker. MQTT is a machine-to-machine (M2M)/Internet of Things (IoT) connectivity protocol.

www.capitalware.com

Booth P1



IBM® connectivity and application integration solutions deliver access to data, applications and information regardless of platform, device or data formats—across both on-premises and cloud environments. With IBM MQ, you can connect applications and systems reliably and securely. Deployed and supported in more than 10,000 organizations, certified partners and developers, your SOA can move everything through a Messaging backbone connecting everything from the mainframe to the mobile enterprise.

IBM MQ provides a universal messaging backbone to transport messages and data inside and outside your organization. It works with a broad range of computing platforms, applications, mainframes, cloud environments and mobile devices.

IBM MQ Advanced Message Security extends the WebSphere MQ environment to provide message-level security. It offers authentication, enhanced authorization and data encryption capabilities for improved data protection.

IBM MQ Managed File Transfer facilitates the secure, reliable and real-time transfer of files within the IBM MQ network.

WebSphere MQ Telemetry extends the IBM MQ messaging backbone to a range of mobile devices, remote sensors, actuators and other devices.

www.ibm.com

Booth P2



Nastel Technologies is a premier global provider of middleware-centric application performance management solutions for mission-critical applications from the datacenter to the cloud and is the only monitoring vendor with a unified platform to support all software and appliance-based middleware technology requirements.

Nastel AutoPilot® for IBM MQ provides monitoring and management capabilities and is considered the best-of-breed management solution. AutoPilot provides enterprises with deep dive visibility into the root-cause of problems. It's real-time analytics using Complex Event Processing reduce the frequency of outages and reduce false-positives. Autopilot can also detect problems before users are impacted, keeping support costs low and productivity high.

www.nastel.com

Booth P3

Gold Sponsors



MQGem Software is dedicated to providing affordable IBM® MQ services and utilities. Founded by Paul Clarke, a former member of the MQ Development team, the company provides Products, Utilities, Consultancy and Education in the area of IBM MQ.

The MQGem MO71 product has been used extensively all over the world by companies to monitor and administer their MQ networks since 1996 when it was written for the Atlanta Olympic Games. MQGem's MQSCX product radically extends the MQSC command language improving the interactive experience and allowing command files which can react to responses from the Command server allowing command scripting.

www.mqgem.com

Booth G3



Avada Software specializes in Enterprise Middleware solutions. Founded by some pioneers in SOA, MQ and J2EE technology, Avada Flagship product, Infrared360, is a holistic & innovative private cloud enabled portal providing administration, monitoring, testing, auditing & statistical reporting for Enterprise Middleware including IBM MQ, Tibco EMS, WAS, JBoss, TC Server, WMB and tangent technologies such as Datapower. Infrared360 is a single web application, yet scales to 2500+ endpoints without deploying anything (no agents, no scripts) to those endpoints. Using Secure Collaboration™ and delegated administration, the portal uniquely provides different business units or even different application users delegated virtual environments in which to work.

www.avadasoftware.com

Booth G1



TxMQ, headquartered in Buffalo, NY, is an IBM Premier Business Partner delivering enterprise IT solutions, services and staffing to clients across North America for over 30 years. TxMQ provides a full spectrum of professional IT/IS services, including WebSphere software sales, implementation, support, training, and staff-aug services. Our focus today includes consulting and services in WebSphere, BPM, BI/Datawarehousing, systems management and administration, database management and administration, as well as network support and management on most major platforms and systems.

www.txmq.com

Booth G4



OpenLogix is an IBM Premier Business Partner and Software Reseller specializing in IBM centric solutions for: SOA, BPM, Portal, Commerce and Enterprise Mobility. With a strong background in Middleware, our Management Team has over 70 years of combined experience in delivering enterprise IT solutions to customers of all sizes. We have offices in Michigan (HQ), Pennsylvania, Texas and South Carolina and work with customers throughout the United States on upgrades, migrations, new development, maintenance and licensing needs.

www.open-logix.com

Booth G2

Silver Sponsors



IoPT is the corporate persona of T.Rob Wyatt. Though known as "The MQ Security Guy," T.Rob also provides deep expertise in MQ Architecture, clustering, high availability, performance tuning, outage resolution and all other administrative aspects of MQ, AMS, MFT (formerly FTE), and MQTT. T.Rob brings experience from 20 years working exclusively with MQ, a holistic systems approach, excellent communication skills, proven leadership, and aggressive risk management. He will quickly become your trusted advisor for all things MQ.

ioptconsulting.com



WHAT IS QFLEX BY NETFLEXITY?

- Qflex is a WebSphere MQ and WebSphere Message Broker Monitoring Facility
- Qflex offers Statistics collection and comprehensive Reporting Facility
- Qflex is a web-based application that is constantly monitoring your messaging infrastructure
- Qflex is accessible from anywhere via browser

www.netflexity.com



Syntegrity Innovations is an Australian startup focused on product development.

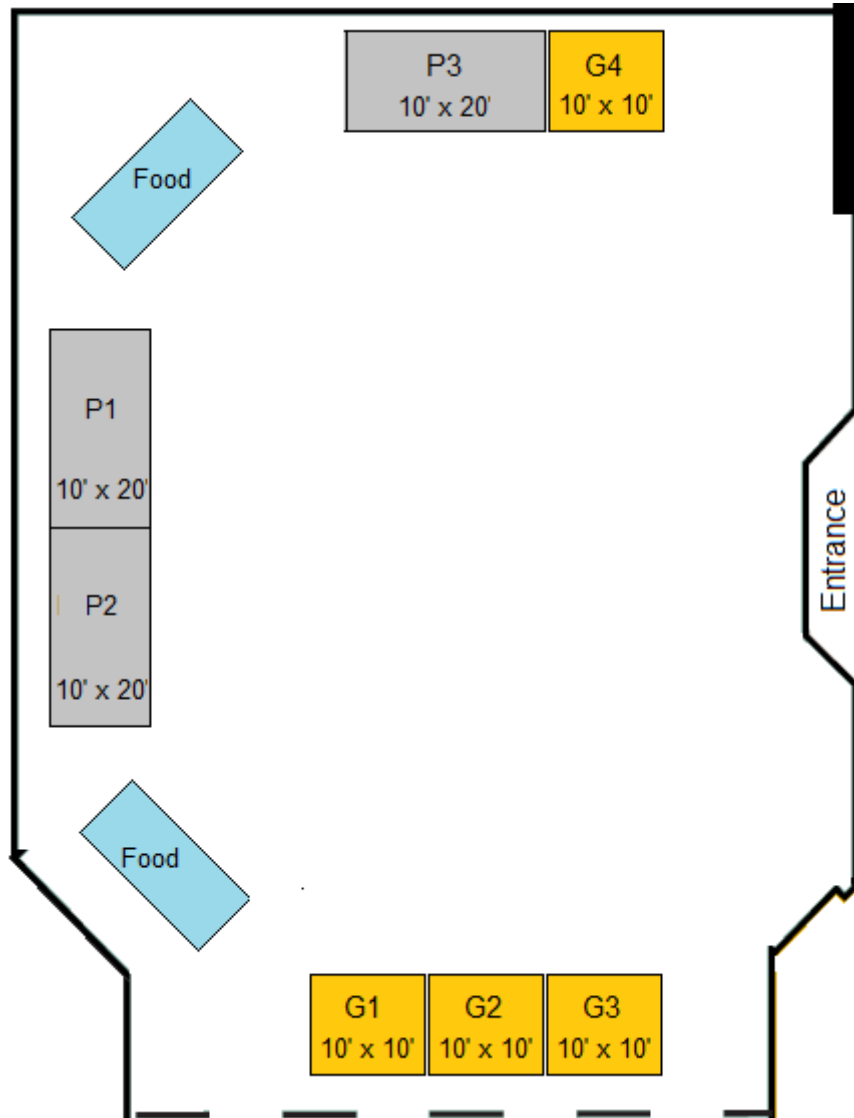
Square Bubble is a product suite aimed at Integration Monitoring and Governance. It is a solution for monitoring IBM Integration products, including IIB (WMB), MQ, and DataPower. It is an agent that harvests data from running services and a set of dashboards that can be used to quickly pin point performance and other bottlenecks. The product is highly configurable to tailor the data volumes being generated and can be customised to provide more focused viewpoints. It integrates with enterprise logging solutions such as splunk and elastic.

<http://innovations.syntegrity.com.au>

Pavilion Hours

The Sponsor Pavilion will be held in the Zambezi room at the following hours:
Monday, September 25th, 2017 – 5:00PM to 8:00PM
Tuesday, September 26th, 2017 – 5:00PM to 7:30PM

Sponsor Pavilion Layout



Schedule

Sunday									
Start	End								
17:00	20:00	Registration & Welcome Social in Zambezi							
Monday		Nile & Orange	Booth 7	Aloeswood	Leopardwood	Rosewood	Sagewood	ZebraWood	
07:00	08:45	Breakfast							
08:15	08:30	Opening Remarks in Suite 6 of Kilimanjaro Ballroom							
08:30	09:40	What's New in IBM Messaging by Mark Taylor in Suite 6 of Kilimanjaro Ballroom							
09:40	09:50	Break							
09:50	11:00	MQ Labs	MQ Automation: Config Management using Baselines, Patterns and Apps T.Rob Wyatt	MQ in Containers Rob Parker	MQ-DataPower Connectivity Deep Dive Robin Wiley	Deploying MQ to the Cloud Matt Whitehead	Introduction to MQ Sam Goulden		
11:00	11:15	Break							
11:15	12:00	MQ Labs	MQTT Message Viewing/Editing Tool Roger Lacroix	What is new in OMEGAMON XE for Messaging? Barry Lamkin	The MQGems - MQ Administration tools from MQGem Software Paul Clarke	Using Machine Learning and Analytics to Understand How MQ Impacts Your Business Richard Nikula	What's Up DOCKER Rob Sordillo		
12:00	13:00	Lunch							
13:00	14:10	MQ Labs	What's new with Logging in IBM MQ? Chris Frank	Introduction to the MQI Morag Hughson	The MQ Vienna Listserver: Lessons from the Past Lee Wheaton	MQ z/OS Performance & Internals Lyn Elkins	Connecting MQ to the Rest of the World Mark Taylor		
14:10	14:30	Break							
14:30	15:40	MQ Labs	IIB v10 Differentiators Doyle Leabch & Cindy Gregoire	Update on the MQ Portfolio David Richards	Introduction to z/OS Shared Queues Matt Leming	An Introduction to MQ Publish/Subscribe Matt Whitehead	Introduction to Kafka (and why you care) Richard Nikula		
15:40	15:50	Break							
15:50	17:00	MQ Labs	MQ Automation: Config Management using Amazon S3 T.Rob Wyatt	Planning for MQ in the Cloud Rob Parker	Learn to code the MQ Message Property MQI calls Morag Hughson	MQ Tools for your MQ Toolkit Tim Zielke	Introducing the IBM MQ Appliance Sam Goulden		
17:00	20:00	Sponsor Pavilion in Zambezi							

Tuesday		Nile & Orange	Booth 7	Aloeswood	Leopardwood	Rosewood	Sagewood	ZebraWood
07:00	08:45	Breakfast						
08:30	09:40	MQ Labs	Introduction to MQ Clients Paul Clarke	MQ Security - An Overview & Recap MQ's Various Security Features Rob Parker	MQ & MQ MFT and How They Work in Tandem Nancy Shray	MQ Hybrid Cloud Architectures Matt Whitehead	MQ Appliance - HA & DR Deep Dive Sam Goulden	
09:40	09:50	Break						
09:50	11:00	MQ Labs	Using Application Activity Trace Morag Hughson	Getting the Most out of MQ Publish/Subscribe Chris Frank	Where's my message? Matt Leming	Using and Analyzing SMF data Lyn Elkins & Mark Taylor	MQ Performance Benchmarking Glen Brumbaugh	
11:00	11:15	Break						
11:15	12:00	MQ Labs	The Next Generation - MQ Visual Edit V2 Roger Lacroix	What is new in OMEGAMON XE for Messaging? Barry Lamkin	Get Out From Under the Tangle of Middleware Applications Richard Nikula	"Fractional" Middleware Support & Managed Services Chuck Fried Miles Roty	Effective MQ Monitoring with Square Bubble, log management and machine learning Steve Lovatt	
12:00	13:00	Lunch						
13:00	14:10	MQ Labs	MQ Automation: Config Management using Baselines, Patterns and Apps T.Rob Wyatt	Introduction to JSON Roger Lacroix	MQ High Availability Matt Leming	An Introduction to and Comparison of the Different APIs supported by MQ Matt Whitehead	Java Compute Node API from ESQL Perspective Srinivasa Babu P	
14:10	14:30	Break						
14:30	15:40	MQ Labs	Introduction to the MQI Morag Hughson	MQ Security - Deep Dive into Advanced Security Configuration Options, including MQ AMS Rob Parker	What's new with Logging in IBM MQ? Chris Frank	MQ for z/OS - An introduction to object authorization on that 'other' queue manager Lyn Elkins & Mitch Johnson	Using Open Source solutions to monitor your queue managers Mark Taylor	
15:40	15:50	Break						
15:50	17:00	MQ Labs	MQ Appliance High Availability Setup and Demonstration Bob Beckett & Cindy Gregoire	The MQ Vienna Listserver: Lessons from the Past Lee Wheaton	Introduction to MQ Service provider and z/OS Connect Mitch Johnson	IBM MQ MFT - An Overview and Usage Barry Lamkin	Meet the Experts	
17:00	19:30	Sponsor Pavilion in Zambezi						
18:00	19:00	Bats of a Feather in Zambezi						

Wednesday

Start	End	Nile & Orange	Aloeswood	Leopardwood	Rosewood	Sagewood	ZebraWood
07:00	08:45	Breakfast					
08:30	09:40		MQ Automation: Config Management using Amazon S3 T.Rob Wyatt	Planning for MQ in the Cloud Rob Parker	IBM MQ MFT - An Overview and Usage Barry Lamkin	MQ for z/OS - Shared queues and why is my workload not running where I think it should Lyn Elkins	Connecting MQ to the Rest of the World Mark Taylor
09:40	09:50	Break					
09:50	11:00		MQ Performance Benchmarking Glen Brumbaugh	Learn to code the MQ Message Property MQI calls Morag Hughson	What can you achieve with MQ clusters? Matt Leming	MQ Hybrid Cloud Architectures Matt Whitehead	Introducing the IBM MQ Appliance Sam Goulden
11:00	11:15	Break					
11:15	12:00		Here encryption, there encryption, simple encryption everywhere Roger Lacroix	The MQGems - Message manipulation tools from MQGem Software Paul Clarke	Using Machine Learning and Analytics to Understand How MQ Impacts Your Business Richard Nikula	What's Up DOCKER Rob Sordillo	"Fractional" Middleware Support & Managed Services Chuck Fried Miles Roty
12:00	13:00	Lunch					
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15:50	17:00		Using Application Activity Trace Morag Hughson	Java Compute Node API from ESQL Perspective Srinivasa Babu P	MQ Console & REST API Matt Leming	Deploying MQ to the Cloud Matt Whitehead	MQ Appliance - HA & DR Deep Dive Sam Goulden

MQ Sessions

An Introduction to and Comparison of the Different MQ APIs

Speaker: Matthew Whitehead, IBM

Technical Level: Intermediate

IBM MQ supports a wide array of messaging APIs, application runtimes, and protocols. This session will recap the different APIs and runtimes supported by IBM MQ, from C and COBOL through to the most recent addition to the family of APIs, MQ Light. It will give an overview of their different feature sets, and describe some of the different messaging scenarios they are best suited to.

Time slots: Tuesday at 13:00

An Introduction to MQ Publish/Subscribe

Speaker: Matthew Whitehead, IBM

Technical Level: Novice

MQ allows you to use the publish/subscribe model with ease with the introduction of topics, but what exactly is a topic? This session takes you through not just topics but the various publish/subscribe concepts and how they relate to MQ. Covering aspects of system design, configuration and application programming concepts. This session is essential for all users looking to adopt publish/subscribe with MQ or even those who are already using it but want to make sure they're aware of the breadth of concepts and features it offers.

Time slots: Monday at 14:30

Connecting MQ to the Rest of the World

Speaker: Mark Taylor, IBM

Technical Level: Intermediate

MQ has recently added some new features that help to connect to external services including Blockchain and Salesforce. MQ applications do not need to have any knowledge of how to directly access these services, as MQ takes care of all the details. This presentation will show more about these features, and include demonstrations of their configuration and use.

Time slots: Monday at 13:00; Wednesday 8:30

Deploying MQ to the Cloud

Speaker: Matthew Whitehead, IBM

Technical Level: Novice

Following on from "Planning for MQ in the Cloud", which looks at how to plan your cloud environments, this session will look at the different options available for deploying MQ into the cloud. We will look at the different technologies that can help you with everything from installing the product, to provisioning and configuring queue managers themselves.

Time slots: Monday at 9:50; Wednesday 15:50

Getting the Most out of MQ Publish/Subscribe

Speaker: Chris Frank, IBM

Technical Level: Intermediate

Pub/Sub is a popular messaging pattern with MQ - but are you getting the most out of it? Could you be getting more value, better performance, fewer mysteries? Come to this session to see how Developers and Administrators can make the most of MQ pub/sub features and capabilities, avoid common pitfalls, get a peek into how things work behind the scenes and learn some Best Practices and tricks of the trade that should help you get the most out of MQ when using publish/subscribe messaging.

Time slots: Tuesday at 9:50; Wednesday 13:00

Introduction to MQ

Speaker: Sam Goulden, IBM

Technical Level: Novice

IBM MQ is the de-facto standard for secure, reliable, assured message delivery across heterogeneous platforms and environments. It has APIs for a wide variety of languages and platforms, and whether you're running in traditional on-prem environments or in the cloud, MQ will help you deploy, scale, and service your business applications. Come along to this session to learn what MQ can do for your business.

Time slots: Monday at 9:50

Introduction to MQ Clients

Speaker: Paul Clarke, MQGem Software

Technical Level: Novice

This session introduces the IBM MQ clients: what they are, on which platforms they run, and how customers use them in their applications. We will mainly focus on the 'C' IBM MQ MQI client, but will also introduce the Java and XMS clients. The session will also discuss a number of basic implementation considerations, including when it may be appropriate to use each client and describe new client features. The intent is to familiarize you with the things necessary to succeed with a simple IBM MQ client implementation.

Time slots: Tuesday at 8:30; Wednesday at 13:00

Introduction to the MQI

Speaker: Morag Hughson, MQGem Software

Technical Level: Novice

This entry level session will teach the basics of the beautifully simple MQ API - the MQI. You'll have heard many describe how writing an application for MQ is very simple, just MQPUT a message, or MQGET a message. Come to this session and learn it for yourself. Example code in C and COBOL will be used, and a live demonstration using an API Exerciser will show how some of the input and output fields operate.

Time slots: Monday at 13:00; Tuesday at 14:30

Learn to code the MQ Message Property MQI calls

Speaker: Morag Hughson, MQGem Software

Technical Level: Intermediate

This session will introduce you to the MQI message property calls. You'll learn how to create message handles, and use them to populate, or read message properties on an IBM MQ message. Example code in C and COBOL will be used, and a live demonstration using an API Exerciser will show how some of the input and output fields operate.

Time slots: Monday at 15:50; Wednesday at 9:50

MQ Automation: Config Management using Amazon S3

Speaker: T.Rob Wyatt, IoPT Consulting

Technical Level: Novice to Intermediate

The central server needed to set up an MQ configuration Management system turns out to be a consistent showstopper, but with a few pennies and a few scripts you can use Amazon Simple Storage. This session introduces scripts that automate QMgr builds with a local shell script that queries a flat-file configuration database stored in the cloud. It's dirt cheap and super simple yet can reduce the time and cost of building MQ nodes while improving quality and consistency. Open an Amazon Web Services account before attending and you can be trying the scripts out before the session ends.

Time slots: Monday at 15:50; Wednesday at 8:30

MQ Automation: Config Management using Baselines, Patterns and Apps

Speaker: T.Rob Wyatt, IoPT Consulting

Technical Level: Novice to Intermediate

Take the grunt work out of MQ configuration management for virtualization, cloud, and large networks by applying a layered approach. This session will introduce the concept of building an MQ configuration from a baseline, then defining a class of service with a pattern layer, and finishing off with application configurations. This modular approach dramatically improves consistency, quality, and flexibility while greatly reducing cost. In compliance environments it provides a definitive as-specified configuration to which the as-running state can be reconciled at intervals or in near-real time. A basic script framework for implementing this system will be reviewed as well.

Time slots: Monday at 9:50; Tuesday at 13:00

MQ Console & REST API

Speaker: Matt Leming, IBM

Technical Level: Novice

This presentation looks in detail at the MQ Console and administrative REST API, covering why they are needed and what they can do.

Time slots: Wednesday at 15:50

MQ High Availability

Speaker: Matt Leming, IBM

Technical Level: Intermediate

High availability is an essential part of modern computing infrastructure. This presentation describes general high availability considerations and how they can be achieved with MQ.

Time slots: Tuesday at 13:00

MQ Hybrid Cloud Architectures

Speaker: Matthew Whitehead, IBM

Technical Level: Intermediate

Running infrastructure services such as MQ in cloud environments means moving data into and out of the cloud. It might mean sending data over the public internet so securing the connectivity between on-premise and cloud queue managers is all the more important. In this session we will look at the options for ingress and egress - moving data between on-premise and cloud-hosted environments - and how to off-load some of your workload to cloud environments.

Time slots: Tuesday at 8:30; Wednesday at 9:50

MQ in Containers

Speaker: Rob Parker, IBM

Technical Level: Intermediate

Several businesses are now moving to implement new or existing infrastructures in containers rather than traditional on-prem or virtual machine environments. In this session we will talk about the benefits of containers and show how IBM MQ can be ran in a container. Providing an example and sample of how you can get started running IBM MQ in a container.

Time slots: Monday at 9:50; Wednesday at 14:30

MQ Performance Benchmarking

Speaker: Glen Brumbaugh, TxMQ

Technical Level: Advanced

A high-level overview of MQ performance and related bottlenecks is first presented. This overview provides the background to define a number of required benchmarks to measure. The remainder of the presentation focuses on the tools and methods available to obtain these benchmarks. The tools covered include: IBM PerfMon, IBM PerfHarness, SupportPac MH04 (Queue Statistics Tool), and the GitHub "Q" program (Formerly MA01 developed by Paul Clarke).

Time slots: Tuesday at 9:50; Wednesday at 9:50

Meet the Experts

Speaker: Any available speakers

Technical Level: All

Join us at our "Meet the Experts" where you'll have a unique opportunity to learn, network and share MQ information with your peers and leading industry specialists.

Time slots: Tuesday at 15:50

Planning for MQ in the Cloud

Speaker: Rob Parker, IBM

Technical Level: Novice

Most businesses are either already using cloud technologies, or are planning to do so in the near future. Whether it's moving to a public or private cloud environment, or simply adopting cloud-like practices in deploying and managing your on-premise systems, many of you are doing this with IBM MQ. This session will talk through different considerations you need to take into account when designing and implementing IBM MQ into your cloud infrastructure.

Time slots: Monday at 15:50; Wednesday at 8:30

MQ Security - An Overview & Recap MQ's Various Security Features

Speaker: Rob Parker, IBM

Technical Level: Novice

Security features are important in any modern day application and MQ is no exception. In order to ensure user data is protected to the user's requirements applications must supply a variety of configurable security features. In this session we will be providing an introduction to all of IBM MQ's security features and a high level overview of why you would use them.

Time slots: Tuesday at 8:30

MQ Security - Deep Dive into Advanced Security Configuration Options, including MQ AMS

Speaker: Rob Parker, IBM

Technical Level: Intermediate

Ensuring you get the most out of your security features is vital to ensure an easy a well protected setup. In this session you will learn how to configure and use key MQ Security features effectively to protect your valuable data stored within your MQ infrastructure.

Time slots: Tuesday at 14:30

MQ Tools for your MQ Toolkit

Speaker: Tim Zielke

Technical Level: Intermediate

This session will cover the following MQ tools that can aid the MQ administrator or programmer in their daily duties. The Application Activity Trace will be covered in some detail, along with the amqsactz tool that comes with the MH06 supportpac and provides some valuable usability enhancements in working with the Activity Trace. A tool that leverages Linux scripts and the runmqsc client mode will be covered that allows the administrator to run MQSC commands against a group of queue managers. This is a powerful tool, especially when performing detailed analysis against a group of queue managers. The mqtrcfrmt tool that comes with the MH06 supportpac will be covered in detail. The mqtrcfrmt tool helps with working with traces. This includes converting API traces into a more human readable format, performing hex or string searches in traces, and also providing some helpful aids with data conversion. There is also one other thing that is helpful with all of these tools. They are free!

Time slots: Monday at 15:50; Tuesday at 14:30

The MQ Vienna Listserver: Lessons from the Past

Speaker: Lee Wheaton, M&T Bank

Technical Level: Intermediate

In this session, the speaker will use and elaborate on select content from the listserver archives that is still pertinent for today. "Those who do not learn from the past are condemned to repeat it."

Time slots: Monday at 13:00; Wednesday at 15:50

Using Application Activity Trace

Speaker: Morag Hughson, MQGem Software

Technical Level: Intermediate

Application Activity Trace is a feature of IBM MQ that allows you to discover exactly what the applications connected to your queue manager are doing. You can see the object names that they open and the options they use on the various verbs they call. You can find out about the size, persistence, priority and more, of your messages. Please note, this feature is only available on the Distributed platforms.

Time slots: Tuesday at 9:50; Wednesday at 15:50

Using Open Source solutions to monitor your queue managers

Speaker: Mark Taylor, IBM

Technical Level: Intermediate

This presentation goes into detail of how some popular open source and "non-traditional" monitoring packages can be integrated with MQ. It will show usage and configuration options, and include a live demo of some of these facilities.

Time slots: Tuesday at 14:30; Wednesday at 13:00

What can you achieve with MQ clusters?

Speaker: Matt Leming, IBM

Technical Level: Intermediate

MQ Clustering can be used to solve many problems, from simplified administration and workload management in an MQ network, to horizontal scalability and continuous availability of messaging applications. This session will touch on the full range of uses of MQ Clusters to solve real problems, highlighting much of the underlying technology being used. A basic understanding of IBM MQ clustering would be beneficial.

Time slots: Wednesday at 9:50

What's New in IBM Messaging

Speaker: Mark Taylor, IBM

Technical Level: Novice to Intermediate

This session gives an overview of the many updates to the IBM Messaging family of products over the last year, including information about MQ V9, the IBM MQ Appliance and IBM's Bluemix messaging. This session will give a context to many of the other sessions being presented at this event.

Time slots: Monday at 8:30

What's new with Logging in IBM MQ?

Speaker: Chris Frank, IBM

Technical Level: Intermediate

In the past year the logger component of IBM MQ has seen the most significant changes in a very long time! Come to this session to hear what new capabilities were introduced, why these capabilities were added, and how you can use them to full advantage in your own MQ network.

Time slots: Monday at 13:00; Tuesday at 14:30

Where's my Message?

Speaker: Matt Leming, IBM

Technical Level: Intermediate

Every MQ infrastructure team member has been asked the question, and most developers who have worked with MQ have asked it: "Where is my message?". In this session we look into the tools that MQ provides to find your messages. We demonstrate how to analyze the MQ recovery log on distributed platforms to find out what happened to your persistent messages, with the assistance of a new tool. We also look at how to trace the route messages take through your MQ infrastructure, and how to generate and analyze activity reports showing the behavior of MQ applications.

Time slots: Tuesday at 9:50

Update on the MQ Portfolio

Speaker: David Richards, IBM

Technical Level: Novice

Messaging is an essential part for linking your applications together, whether they're in the cloud, your datacenters, or across all these environments. IBM MQ is ideally placed to perform that task. This session will take you through the updates to the IBM MQ portfolio over recent months including technical changes, packaging & licensing, and give a hint of about what's coming in the future.

Time slots: Monday at 14:30; Wednesday at 13:00

MQ z/OS Sessions

Introduction to MQ Service provider and z/OS Connect

Speaker: Mitch Johnson, IBM

Technical Level: Novice

Queues on z/OS systems are easily accessible from traditional MQ applications running in CICS, batch job or on other platforms using MQ Client code. But what happens if there is a need to expose the same capability to applications that run in mobile or cloud environment? Applications in these environments normally interact with services using REST, and exchange data in JSON format, they don't understand COBOL copybooks or other mainframe structures. This is where z/OS Connect comes to the rescue! In this session you will learn how define a RESTful API in zOS Connect which exposes your existing transactions and queues in a way that is intuitive to cloud or mobile apps.

Time slots: Tuesday at 15:50; Wednesday at 14:30

Introduction to z/OS Shared Queues

Speaker: Matt Leming, IBM

Technical Level: Novice

Shared queues are one of the unique selling points of MQ on z/OS. This session introduces shared queues and what they do, as well as covering enhancements made in recent releases such as SMDS and the use of CF Flash.

Time slots: Monday at 14:30

MQ z/OS Performance & Internals

Speaker: Lyn Elkins, IBM

Technical Level: Intermediate

This session will look at how to make MQ on z/OS perform faster and use less resources and what internal parameters can be tuned to make this happen.

Time slots: Monday at 13:00

MQ for z/OS - An introduction to object authorization on that 'other' queue manager

Speaker: Mitch Johnson & Lyn Elkins, IBM

Technical Level: Novice

For those with a distributed background who suddenly find themselves faced with trying to secure their z/OS queue managers - or even those experienced MQ for z/OS folks faced with planning and implementing various security functions on z - this session will introduce you to the differences and similarities of controlling access on z/OS. There are basic implementation and operational differences that we discuss to help in planning, and searching down issues.

Time slots: Tuesday at 14:30

MQ for z/OS - Shared queues and why is my workload not running where I think it should

Speaker: Lyn Elkins, IBM

Technical Level: Intermediate

We've introduced the concept of workload skewing in a MQ Shared queue environment, but this session goes a bit deeper. We are going to talk about how your physical set-up can subtly influence your workload, and how to find out if that is what is altering your workload. We will also talk about triggering, waiting getters, put to waiting getters, and other things which can influence where your MQ initiation workload runs in a Parallel Sysplex.

Time slots: Wednesday at 8:30

Using and Analyzing SMF data

Speaker: Mark Taylor & Lyn Elkins, IBM

Technical Level: Advanced

SMF is the basis for planning and tuning your MQ z/OS environments. This session discusses a new SMF processing tool and how it can simplify the job of analysing what is happening in your systems. We will demonstrate how to use it, modify it, and create your own reports. You will see which are the most important pieces of data for effective understanding of what is going on in your queue managers.

Time slots: Tuesday at 9:50

IBM MQ Appliance

Introducing the IBM MQ Appliance

Speaker: Sam Goulden, IBM

Technical Level: Novice

Running and maintaining many messaging servers can become complex and expensive, and growing businesses demands a messaging infrastructure that is fast to deploy, simple to maintain, reliable, secure, and cost effective. Introducing the IBM MQ Appliance which provides the scalability and reliability of IBM MQ V8, combined with the simple setup, convenience, and overall ease of use of an appliance. See how IBM MQ Appliance achieves all this while being fully compatible for deployment with existing MQ environments or in new locations.

Time slots: Monday at 15:50; Wednesday at 9:50

MQ Appliance High Availability Setup and Demonstration

Speaker: Bob Beckett & Cindy Gregoire, TxMQ

Technical Level: Novice to Intermediate

This session will describe and demonstrate the hardware and software configurations needed to achieve High Availability between two MQ Appliances. We will briefly describe the MQ Appliance with its capabilities and explain the concept of High Availability as it applies to the MQ Appliance. Basic Cabling, network configuration, HA group configuration, and Queue Manager configurations will be shown, followed by a demonstration of client messaging during a failover.

Time slots: Tuesday at 15:50

MQ Appliance - HA & DR Deep Dive

Speaker: Sam Goulden, IBM

Technical Level: Intermediate

The availability and safety of your messaging data is critical. With the IBM MQ Appliance this can be as simple as plugging two appliances together. This session will demo this capability and look in detail at how to use MQ Appliances to build a highly available, disaster resistant, messaging hub. We will cover suitable application architectures, capacity and performance planning, security implications. We'll see how these can be relied upon both across unplanned failures and planned maintenance.

Time slots: Tuesday at 8:30; Wednesday at 15:50

IBM Integration Bus (Message Broker) Sessions

IIB v10 Differentiators

Speaker: Doyle Leabch, IBM and Cindy Gregoire, TxMQ

Technical Level: Novice to Intermediate

This session is a technical overview of the IIBv10 new capabilities and technical discussion on IIB competitor solutions, cloud integration, and specific use cases where IIB reigns. Positions middleware administrators to converse more comfortably on the features and functions of IIBv10 compared to former versions and in contrast to MQ alone.

Time slots: Monday at 14:30

Java Compute Node API from ESQL Perspective

Speaker: Srinivasa Babu Purushothaman, Sherwin Williams

Technical Level: Intermediate

It is common in IIB developers who are well versed in ESQL but not in Java Compute Node (JCN) API. They are either from non-java background or there is no adequate resources available to ease JCN API coding. This session addresses the gap and makes the audience to get speed in JCN API like they do in ESQL. This session explains JCN API from ESQL perspective so that audience can quickly understand and start writing code immediately.

Time slots: Tuesday at 13:00; Wednesday at 15:50

IBM MQ Managed File Transfer Sessions

IBM MQ MFT - An Overview and Usage

Speaker: Barry Lamkin, IBM

Technical Level: Intermediate

This session will give a brief overview of MQ MFT, what it is and some usage scenarios.

Time slots: Tuesday at 15:50; Wednesday at 8:30

MQ & MQ MFT and how they work in Tandem

Speaker: Nancy Shray, Southeastern Grocers

Technical Level: Intermediate

This session will provide a deep dive into how MQ MFT is built on top of the MQ framework. You will take away an understanding of how these products are interdependent on each other, best practices for sending large and small files, troubleshooting and lessons learned.

Time slots: Tuesday at 8:30; Wednesday at 14:30

Datapower Appliance

MQ-DataPower Connectivity Deep Dive

Speaker: Robin Wiley, Robin Wiley Training

Technical Level: Intermediate/Advanced

DataPower can connect to MQ as a client, sending and receiving messages to and from queues. Unlike traditional MQ client programming, the DataPower client interface has certain predefined functions that limit the scope of activities that can be performed. This session will explain what you can and can't do when integrating DataPower into your MQ infrastructure. Topics covered will include syncpoint processing, message grouping, message properties, JMS considerations, connection options, and many more.

Time slots: Monday at 9:50; Wednesday at 13:00

JSON & Kafka

Introduction to JSON

Speaker: Roger Lacroix, Capitalware Inc.

Technical Level: Novice to Intermediate

This is an introduction session of JSON, how it is used and why you might want to use it. I will also compare it to fixed-length data and XML data.

Time slots: Tuesday at 13:00

Introduction to Kafka (and why you care)

Speaker: Richard Nikula, Nastel Technologies

Technical Level: Novice

Apache Kafka is showing up everywhere and is likely already being used today somewhere in your organization. In this session we will cover the fundamentals of Kafka. The basics of producers, consumers and message processing will be explained, along with several examples including clustered configuration. We will also look at several typical use cases. The final segment will compare Kafka to IBM MQ-based messaging to help you prepare for when your expertise is needed in a hybrid IBM MQ/IIB/Kafka environment.

Time slots: Monday at 14:30; Wednesday at 14:30

Tales of MQ Terror Sessions

Bats of a Feather

Speaker: T.Rob Wyatt, IoPT Consulting

Technical Level: Novice

"Bats" is an interactive Birds of a Feather session dedicated to horror stories. We will meet after the regular conference sessions end for the day (date and venue TBD but somewhere we can be served) to swap Tales of MQ Terror. The format will be a round of short lightning talks after which the group will vote in several categories and prizes will be awarded. Register ahead of time for a spot in the schedule!

Time slots: Tuesday at 18:00

Vendor Sessions

Effective MQ Monitoring with Square Bubble, log management and machine learning

Speaker: Steve Lovatt, Syntegrity Innovations

Technical Level: Novice

Covers what is Square Bubble, how it works and what products it can work with inc MQ (distributed and Z/OS), IIB, DataPower, Splunk, Elastic. We will provide real customer experiences to give you greater context. Finally, we will also introduce how machine learning can be used, today, to detect anomalies and create adaptive thresholds.

Time slots: Tuesday at 11:15

"Fractional" Middleware Support & Managed Services

Speaker: Chuck Fried, TxMQ & Miles Roty, TxMQ

Technical Level: Novice

TxMQ has nearly 40 years in business supporting and maintaining IBM Technology. From Mainframe to Cloud, transformation is made possible through our strong background in IBM Middleware. Every customer has different needs - that's why TxMQ customizes our support to suit you.

Time slots: Tuesday at 11:15; Wednesday at 11:15

Get Out From Under the Tangle of Middleware Applications

Speaker: Richard Nikula, Nastel Technologies

Technical Level: Novice

Today's middleware environments are a combination of planned evolution plus a lot of "just make it work" components. When something goes wrong it's like trying to "find a needle in a haystack," or more accurately, "finding a needle in a stack of needles." Where do you start looking when the problem statement starts with "my order was lost?" Is a message sitting on an MQ queue? Did a broker flow fail and send the request to an error node? Did a MFT transfer specify the wrong file name and not get processed? In these situations, any of your middleware components could be at fault, and finding them using traditional tools is time-consuming and sometimes nearly impossible. Nastel's next generation of AutoPilot provides illuminates the traffic between your middleware components by leveraging machine learning, advanced analytics, alerting, and self-service presentation.

Time slots: Tuesday at 11:15

Here encryption, there encryption, simple encryption everywhere

Speaker: Roger Lacroix, Capitalware Inc.

Technical Level: Novice to Intermediate

In this session, we will discuss "Data Protection for Channels" and "Data Protection for Queues" and the difference between them and how to choose between them.

Time slots: Wednesday at 11:15

MQTT Message Viewing/Editing Tool

Speaker: Roger Lacroix, Capitalware Inc.

Technical Level: Novice to Intermediate

In this session, we will demonstrate MQTT Message Viewer and all of its new & unique features for creating, viewing, editing, loading, saving, etc. messages of a topic. Besides IBM MQ, MQTT Message Viewer is able to connect to any remote MQTT Broker. i.e. 2lemetry, Apache ActiveMQ, Apache Apollo, EMQ, GnatMQ, HBMQTT, HiveMQ, IBM MessageSight, JoramMQ, Moquette, Mosquitto, MQTT.js, RabbitMQ, RSMB, Software AG Universal Messaging, Solace, ThingMQ and VerneMQ.

Time slots: Monday at 11:15

The MQGems - MQ Administration tools from MQGem Software

Speaker: Paul Clarke, MQGem Software

Technical Level: Novice

In this session, Paul Clarke, founder and CEO of MQGem Software, will take you through the administration tools that MQGem produces. This includes MO71 - our GUI administrator for MQ and MQSCX - a huge improvement on MQSC. The presentation will be largely based on demonstrations of the tools.

Time slots: Monday at 11:15

The MQGems - Message manipulation tools from MQGem Software

Speaker: Paul Clarke, MQGem Software

Technical Level: Novice

In this session, Paul Clarke, founder and CEO of MQGem Software, will take you through the message manipulation tools that MQGem produces. This include MQEdit - our GUI Message editor for MQ, and QLOAD - the load/unload messages tool. The presentation will be largely based on demonstrations of the tools.

Time slots: Wednesday at 11:15

The Next Generation - MQ Visual Edit V2

Speaker: Roger Lacroix, Capitalware Inc.

Technical Level: Novice to Intermediate

In this session, we will demonstrate MQ Visual Edit V2 and all of its new & unique features for creating, viewing, editing, deleting messages in a queue or a topic.

Time slots: Tuesday at 11:15

Using Machine Learning and Analytics to Understand How MQ Impacts Your Business

Speaker: Richard Nikula, Nastel Technologies

Technical Level: Novice

Most people think messages flow through MQ, but in reality it's business that flows through MQ. That is, a bank transfers payments, a supplier processes orders, and a retailer is selling their goods. Simply watching queue depth using MQ Explorer or other basic tools is not enough to understand the trends in MQ that impact your business. Nastel's next generation of AutoPilot reveals—with machine learning and advanced analytics—how to better manage your IBM MQ and related components. This session examines several problems typically encountered in dealing with MQ and how advanced analytics can be applied to solve them.

Time slots: Monday at 11:15; Wednesday at 11:15

What's Up DOcker

Speaker: Rob Sordillo, Avada Software

Technical Level: Novice

An introduction to Docker, what all the buzz about, what are the benefits. How would you go about building a Docker container and a review of a simple Docker environment. Presentation does not required coding experience.

Time slots: Monday at 11:15; Wednesday at 11:15

What is new in OMEGAMON XE for Messaging?

Speaker: Barry Lamkin, IBM

Technical Level: Novice to Intermediate

An overview of some of the recent enhancements in OMEGAMON XE for Messaging.

Time slots: Monday at 11:15; Tuesday at 11:15

Tracks

The following are suggested grouping of sessions into tracks that attendees can use to help determine what sessions they should attend.

MQ for Beginners

Introduction to MQ by Sam Goulden
Introduction to the MQI by Morag Hughson
Introduction to MQ Clients by Paul Clarke
An Introduction to MQ Publish/Subscribe by Matt Whitehead
An Introduction to and Comparison of the Different APIs supported by MQ by Matt Whitehead
What's New in IBM Messaging by Mark Taylor
Where's my message? by Matt Leming
Introduction to z/OS Shared Queues by Matt Leming
MQ Security - An Overview & Recap MQ's Various Security Features by Rob Parker
MQ for z/OS - An introduction to object authorization on that 'other' queue manager by Lyn Elkins & Mitch Johnson
Introducing the IBM MQ Appliance by Sam Goulden
IBM MQ MFT - An Overview and Usage by Barry Lamkin
Introduction to JSON by Roger Lacroix
Introduction to Kafka (and why you care) by Richard Nikula

MQ Administration

Introducing the IBM MQ Appliance by Sam Goulden
What's New in IBM Messaging by Mark Taylor
Introduction to MQ Clients by Paul Clarke
Connecting MQ to the Rest of the World by Mark Taylor
Using Open Source solutions to monitor your queue managers by Mark Taylor
What can you achieve with MQ clusters? by Matt Leming
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MQ Advanced Administration

What can you achieve with MQ clusters? by Matt Leming

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MQ Hybrid Cloud Architectures by Matt Whitehead

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MQ Tools for your MQ Toolkit by Tim Zielke

What's New in IBM Messaging by Mark Taylor

MQ Programming

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MQ Performance

MQ z/OS Performance & Internals by Lyn Elkins

MQ Performance Benchmarking by Glen Brumbaugh

Using Application Activity Trace by Morag Hughson

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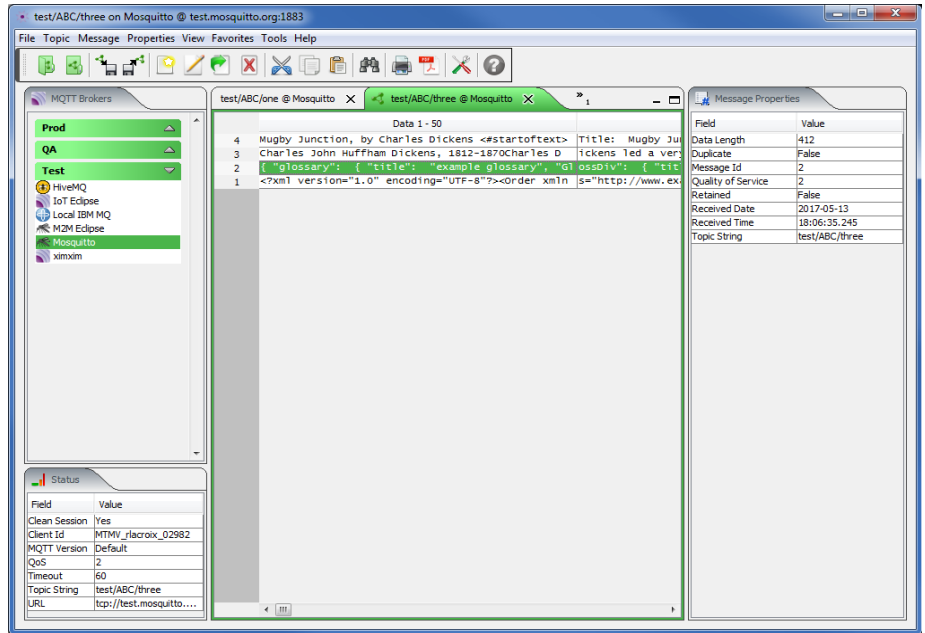
IIB v10 Differentiators by Doyle Leabch & Cindy Gregoire

What's New in IBM Messaging by Mark Taylor

MQTT Message Viewer is an MQTT (MQ Telemetry Transport) client that connects to an MQTT Broker. MQTT is a machine-to-machine (M2M)/Internet of Things (IoT) connectivity protocol. MQTT Message Viewer supports MQTT 3.1 & 3.1.1 protocol versions. Come see a demo of MQTT Message Viewer at Capitalware's booth during the Sponsor Pavilion or at Monday's 11:15AM session in the Aloeswood room.

MQTT Message Viewer allows users to subscribe, publish, edit, copy, delete, forward, backup, restore, import and export messages of a topic of an MQTT Broker. The messages of a topic are presented in a table format similar to a spreadsheet program.

MQTT Message Viewer is a great tool for IoT (Internet of Things) application programmers, developers, quality assurance testers, and production support personnel.



MQ Encryption

- **Capitalware's MQ Channel Encryption** provides encryption for MQ message data. It is a solution that allows a company to encrypt message data, which flows between IBM MQ resources (i.e. over the channel).
- **Capitalware's MQ Message Encryption** is a solution that provides encryption for MQ message data while it resides in a queue and in the MQ logs (i.e. all data at rest).

MQ Software

- **Capitalware's MQ Auditor** is a solution that allows a company to audit / track all MQ API calls performed by MQ applications that are connected to a queue manager.
- **Capitalware's MQ Message Replication** will clone messages being written (via MQPUT or MQPUT1 API calls) to an application's output queue and MQMR will write the exact same messages to 'n' target queues ('n' can be up to 100).
- **Capitalware's MQ Channel Throttler** provides the ability to control/throttle the number of connection calls, open calls and/or messages (or bytes) that flow over a channel.

MIDDLEWARE MANAGED SERVICES

by **TxMQ**

*We monitor, manage, and maintain,
middleware systems and databases that
power businesses across the globe.*

- 24x7 Support
- Experienced seasoned professionals
- Proactive service delivery
- Optimized overhead
- Customized support models & SLAs
- Quick & efficient resolutions to complex issues

PROBLEM: MQ performance is sluggish, slow and processes between systems lack fluidity.

SOLUTION: Diagnose the root cause, measure MQ usage and capacity with one comprehensive tool.

QPACITY

The MQ Capacity Planner



STREAMLINE RE-PLATFORMING
OPTIMIZE YOUR MQ PERFORMANCE
SECURE YOUR INTEGRATED SYSTEMS



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