



***MQ Technical
Conference v2.0.1.6***

September 26 - September 28, 2016
Sandusky, Ohio
www.mqtechconference.com

Conference Directory



MQ Technical Conference v2.0.1.6 is the largest conference in the world solely dedicated to IBM MQ.



Monitor WebSphere MQ and Broker 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.

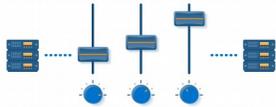
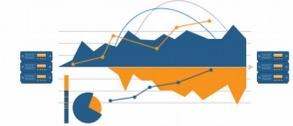


Detect fast and fix fast!

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 you message flow

Qflex can help you understand Message Broker flow performance node by node. Spot bottlenecks right away. Historical performance will show exactl 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 Aoleswood 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.

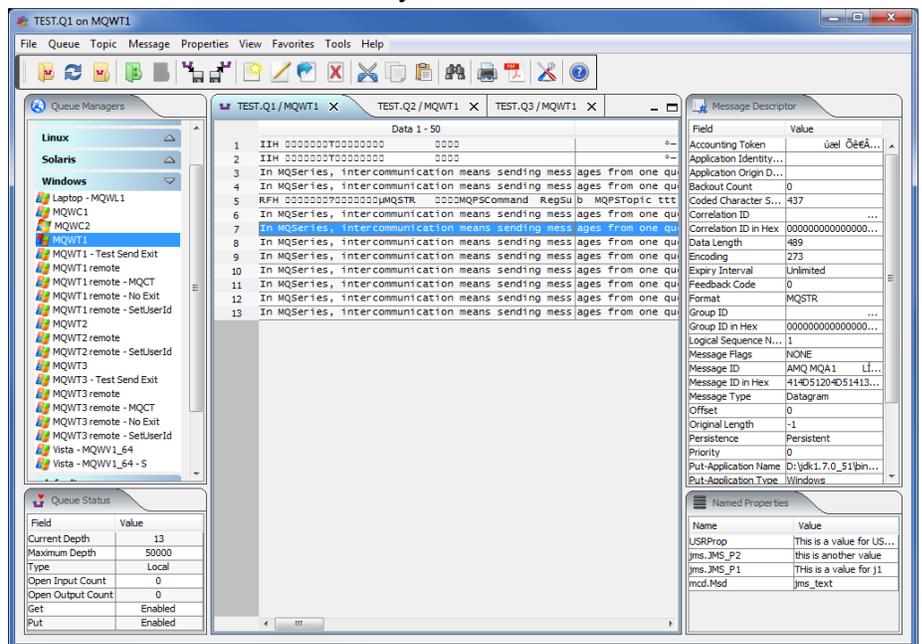


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General Information

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 25th from 5:00PM to 7:30PM and Monday, September 26th 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 provides products, services, and training for IBM MQ to companies across North America. Capitalware sells 14 commercial products in the IBM MQ space. Capitalware 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.

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



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 P3



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. Now through September, you can also get one free pass to MQTC for each 40 hours worked. Call today for more information.

ioptconsulting.com

Booth P3

Gold Sponsors



MQGem Software is dedicated to providing affordable IBM® WebSphere® 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 WebSphere 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 G6



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 G4



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 G1



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



TransformaTech is an IBM Business Partner and an Authorized IBM software Reseller. We offer products, consulting services, and our extensive experience with complex implementations of IBM solutions. Our certified consultants are experts at making your business more efficient by providing a complete end-to-end solution integrating your systems and applications. We have specialized expertise with IBM Integration Bus, WebSphere MQ, DataPower, and the complete IBM Hybrid Cloud Integration portfolio. We also provide risk mitigation and cost reductions through the outsourcing of your IIB and MQ administration, monitoring, support, and development as part of our managed service offerings.

www.transformatech.com

Booth G3



Miracle Software Systems is a Global Systems Integrator and a Premier Business Partner of IBM for over 16 years. With over 2000 employees globally, Miracle has been helping Fortune 1000 customers with their integration needs for over 22 years now. Our teams boast some of the largest contingents of certified Integration and Messaging experts with vast experience in working on customer initiatives around IBM Integration Bus, IBM MQ, IBM DataPower Gateway and IBM API Connect. Headquartered in Novi, MI - Miracle can help you with your Hybrid Messaging and Integration needs across Application Integration, Cloud Integration, Process Integration and B2B Integration.

www.miraclesoft.com

Booth G5

Silver Sponsors



WHAT IS QFLEX BY NETFLEXITY?

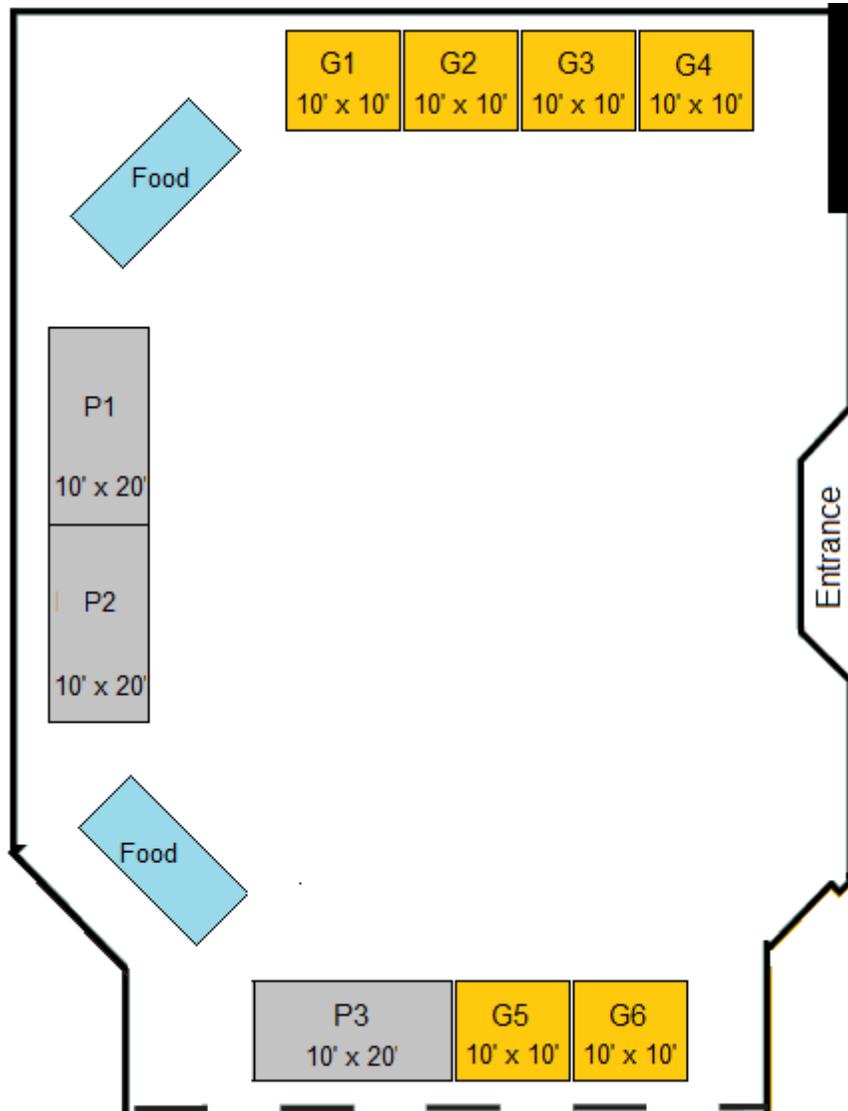
- Qflex is a WebSphere MQ and WebSphere Message Broker Monitoring Facility
- Qflex offers Statistics collection and comprehensive Reporting Facility
- Qflex is a web-based application that is constantly monitoring your messaging infrastructure
- Qflex is accessible from anywhere via browser

www.netflexity.com

Pavilion Hours

The Sponsor Pavilion will be held in the Zambezi room at the following hours:
Monday, September 26th, 2016 – 5:00PM to 8:00PM
Tuesday, September 27th, 2016 – 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							
08:30	09:40	MQ Labs	Build and Operate Your Own MQ Center of Mediocrity T.Rob Wyatt	Introduction to the MQ! Morag Hughson	More Mysteries of the MQ Logger Chris Frank	Shared queues - beyond the hype and into reality Lyn Elkins	What's New in WebSphere MQ Mark Taylor & Dave Ware		
09:40	09:50	Break							
09:50	11:00	MQ Labs	What's New in IBM Integration Bus v10 Bill Karounos	MQ Security – An Overview & Recap MQ's Various Security Features Rob Parker	Introducing the IBM MQ Appliance Matt Leming	Running and Supporting MQ Light Applications Matt Whitehead	What can you achieve with MQ clusters? Dave Ware		
11:00	11:15	Break							
11:15	12:00	MQ Labs	Addressing PCI w/Capitalware – A Customer Perspective Chris Hanna	Solving the top 10 problems in MQ/IIB with Nistel AutoPilot Richard Nikula	What's New from MQGem Software - New Message Editor Product Paul Clarke	Automating MQ certificate management using Infrared360 Peter D'Agosta & T.Rob Wyatt	Middleware Managed Services: Friend or Foe? Chuck Fried & Miles Roty		
12:00	13:00	Lunch							
13:00	14:10	MQ Labs	Insourcing MQ Suganya Rane	MQ Security Deep – Dive into Advanced Security Configuration Options, including MQ AMS Rob Parker	Introduction to MQ Channels Paul Clarke	IBM MQ and IBM IOTF MessageSight v2.0 Jeff Lowrey	Deploying MQ in a Self-Service way Dave Ware		
14:10	14:30	Break							
14:30	15:40	MQ Labs	Deployment Patterns using Docker & Chef Sandeep Chellingi	Performance Considerations When Designing IIB solutions Chris Frank	Securing your z/OS Queue Manager Morag Hughson	An Introduction to and Comparison of the Different MQ APIs Matt Whitehead	Programming with PCF Messages Mark Taylor		
15:40	15:50	Break							
16:00	17:10	MQ Labs	Check list of MQ top MQ security outstanding bugs/issues/gotchas T.Rob Wyatt	Monitoring and Tracking MQ and Applications Rob Parker	MQ Appliance HA and DR Deep Dive Matt Leming	MQ Data Conversion and MH06 Tim Zielke	Supporting IBM MQ on a Shoestring Budget Lee Wheaton		
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	IBM MQ vs. Open Source MQ Suganya Rane	MQ Security Deep – Dive into Advanced Security Configuration Options, including MQ AMS Rob Parker	Looking ahead to MQ support for z/OS Connect Matt Leming	Hybrid Messaging with IBM Bluemix Matt Whitehead	An Introduction to MQ Publish/Subscribe Dave Ware
09:40	09:50	Break						
09:50	11:00		MQ Labs	IBM MQ Appliance Lab Jeff Lowrey	Authentication in MQ Morag Hughson	Performance Considerations When Designing IIB solutions Chris Frank	Using and Analyzing SMF data Lyn Elkins & Mark Taylor	MQ Data Conversion and MH06 Tim Zielke
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 v7.3 Barry Lamkin	Not just a monitor! Deploying MQ objects and object modifications using Infrared360 Peter D'Agosta	TxMQ's Qpacity: The MQ Capacity Planner Allan Bartleywood	Introduction to APIs, Micro Services and IBM API Connect Steve Lokam
12:00	13:00	Lunch						
13:00	14:10			Build and Operate Your Own MQ Center of Mediocrity T.Rob Wyatt	Monitoring and Tracking MQ and Applications Rob Parker	MQ Appliance HA and DR Deep Dive Matt Leming	MQ for z/OS - Common issues and Problem determination Lyn Elkins	Where is my Message? Mark Taylor
14:10	14:30	Break						
14:30	15:40			Securing your z/OS Queue Manager Morag Hughson	MQ-DataPower Connectivity Deep Dive Robin Wiley	More Mysteries of the MQ Logger Chris Frank	IBM Messaging in the Cloud Matt Whitehead	Using Publish/Subscribe in an MQ network Dave Ware
15:40	15:50	Break						
16:00	17:10			Introduction to MQ Channels Paul Clarke	MQ Appliance Implementation Scenarios & Migration Best Practices Sandeep Chellingi	Insourcing MQ Suganya Rane	The top ten issues in IBM MQ and IIB Barry Lamkin	Meet the Experts
17:00	19:30	Sponsor Pavilion in Zambezi						
18:00	19:00	Bats of a Feather in Zambezi						

Wednesday		Salon A, B & C	Salon E	Salon F	Salon G	Salon H	Indigo Bay
07:00	08:45	Breakfast					
08:30	09:40		Check list of MQ top MQ security outstanding bugs/issues/gotchas T.Rob Wyatt	IBM MQ and IBM IOTF MessageSight v2.0 Jeff Lowrey	The top ten issues in IBM MQ and IIB Barry Lamkin	MQ on z/OS - Performance, performance Lyn Elkins	Deploying MQ in a Self-Service way Dave Ware
09:40	09:50	Break					
09:50	11:00		MQ Appliance Implementation Scenarios & Migration Best Practices Sandeep Chellingi	Introduction to the MQI Morag Hughson	MQ-DataPower Connectivity Deep Dive Robin Wiley	Running and Supporting MQ Light Applications Matt Whitehead	Integrating MQ with Directory Services Mark Taylor
11:00	11:15	Break					
11:15	12:00		Addressing PCI w/Capitalware – A Customer Perspective Chris Hanna	The MQGems - tools from MQGem Software Paul Clarke	Understanding Hybrid Messaging with Message Hub and Bluemix Kunal Mittal	Solving the top 10 problems in MQ/IIB with Nastel AutoPilot Richard Nikula	What happened to my Transaction Barry Lamkin
12:00	13:00	Lunch					
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14:10	14:30	Break					
14:30	15:40		Deployment Patterns using Docker & Chef Sandeep Chellingi	IBM MQ vs. Open Source MQ Suganya Rane	Looking ahead to MQ support for z/OS Connect Matt Leming	An Introduction to and Comparison of the Different MQ APIs Matt Whitehead	What can you achieve with MQ clusters? Dave Ware
15:40	15:55	Closing Remarks					

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: Monday at 14:30; Wednesday at 14:30

An Introduction to MQ Publish/Subscribe

Speaker: Dave Ware, 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: Tuesday at 8:30

Authentication in MQ

Speaker: Morag Hughson, MQGem Software

Technical Level: Intermediate

Over the last few releases of MQ, there have been a number of security features added that provide authentication features. This session illustrates all those features and how they work together. This session will cover the use of SSL/TLS on channels (and some recent changes in this area in MQ V8); the security exit facility which is still available although some of the common uses for it are now built into the MQ product; the use of CHLAUTH rules (added in MQ V7.1 and enhanced in MQ V8) and the MQ V8 feature Connection Authentication, which allows the validation of user ID and password from an application at connect time (more detail on this feature can also be heard in another session this week).

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

Build and Operate Your Own MQ Center of Mediocrity

Speaker: T.Rob Wyatt, IoPT Consulting

Technical Level: Novice

Aspiring to a Center of Excellence sounds like hard work but an MQ Center of Mediocrity is an achievable goal for almost anyone, as proven by these real-life case studies. Implement any or all of the techniques and anti-patterns described in this session with little or no funding! Best of all you can look around the room and try to catch people sinking into their chair when they recognize their own shop. (Names are redacted to preserve the intellectual property rights of the pioneers of field who blazed the trail for the rest of us.)

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

Check list of top MQ security outstanding bugs/issues/gotchas

Speaker: T.Rob Wyatt, IoPT Consulting

Technical Level: Advanced

Finding it hard to secure your MQ estate? MQ not behaving as documented? Observed behavior not documented? Cheer up, it's not you. Often, it's MQ, if that's any consolation. In this session we will cover MQ security bugs, defects and gotchas in three categories: 1) Stuff that's broken by accident; 2) Stuff that's broken by design; and 3) Stuff that's nothing more than security theater. If we have time, we'll vote to pick the fan favorites.

Time slots: Monday at 16:00; Wednesday at 8:30

Deploying MQ in a Self-Service way

Speaker: Dave Ware, IBM

Technical Level: Intermediate

Businesses are transforming their enterprise IT infrastructure, whether on-premise or in a cloud, enabling application teams to provision resources in an automated, self-service or "as-a-Service" fashion, often from a self-service portal or as part of a Platform-as-a-Service (PaaS). In this session, we explain the tools and techniques that are available to integrate MQ into such an environment. This changes an MQ deployment from a high-touch activity with significant interaction between humans on the application and middleware teams to an automated, efficient process.

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

Deployment Patterns using Docker & Chef

Speaker: Sandeep Chellingi, Prolifics

Technical Level: Intermediate

This presentation will cover MQ & IIB deployment patterns using Docker containers & Chef automation. It will also discuss the implementation of Docker containers and how MQ & IIB can be deployed on Docker containers. It will cover Chef automation options to deploy MQ & IIB, MQ Clustering, MQ Security, MQ Objects & High Availability setups. This will also showcase a Docker demo as time permits.

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

IBM Messaging in the Cloud

Speaker: Matthew Whitehead, IBM

Technical Level: Intermediate

Most businesses are either already using cloud technologies, or are planning to in the near future. Whether it's IBM Bluemix, Microsoft Azure, Amazon Web Services, OpenStack, Docker, Kubernetes, Chef, Google Cloud Platform...the list of technologies and choices is seemingly endless. This session will give an overview of some of these technologies and platforms, and describe how MQ can be deployed, configured and managed using them.

Time slots: Tuesday at 14:30

IBM MQ Vs. Open Source MQ

Speaker: Suganya Rane, Sabre

Technical Level: Intermediate

Comparing the IBM MQ with other open source solutions (like ActiveMQ). This presentation covers the pros and cons of open source MQ and how it compares to IBM MQ with possible recommendations on when to pick which solution? This will also cover areas that deal with persistent messaging performance comparisons, reliability and failover, management and administration, installation and configuration.

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

Insourcing MQ

Speaker: Suganya Rane, Sabre

Technical Level: Intermediate

This is from a customer perspective – a use case presentation on how Sabre is insourcing their MQ infrastructure from an external vendor. This presentation will cover areas like MQ qmgr consolidation, implementation of MQ clusters, MQ best practices, MQ on virtualized servers, MQ security setups, exploring MQ on the cloud and some of the challenges associated with the insourcing of MQ along with lessons learnt.

Time slots: Monday at 13:00; Tuesday at 16:00

Integrating MQ with Directory Services

Speaker: Mark Taylor, IBM

Technical Level: Intermediate

This session will mainly cover the new options in MQ for integrating authentication and authorisation with LDAP directories. However it will also discuss other ways in which MQ can share information through directory services.

Time slots: Wednesday at 9:50

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 8:30; Wednesday at 9:50

Introduction to MQ Channels

Speaker: Paul Clarke, MQGem Software

Technical Level: Novice

This entry level session describes how IBM MQ moves messages around your network of queue managers. The various concepts of remote messaging are introduced and the session shows how the various components fit together. Attendees learn the basic IBM MQ configuration necessary to have application messages moved from one queue manager to another.

Time slots: Monday at 13:00; Tuesday at 16:00

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 16:00

Monitoring and Tracking MQ and Applications

Speaker: Rob Parker, IBM

Technical Level: Intermediate

Knowing what your Queue Managers and applications are doing can be important to detect potential problems or improvements that can be made to your network. In this session you will discover the MQ features that can be used to both monitor and track Queue Managers and applications as well as how to effectively use them.

Time slots: Monday at 16:00; Tuesday at 13:00

More Mysteries of the MQ Logger

Speaker: Chris Frank, IBM

Technical Level: Intermediate

The MQ Transaction Log is a critical component when processing persistent message workload. Come to this updated version of last year's session for a detailed discussion of how the Transaction Log ensures message recovery, pros and cons of using Circular vs Linear logging, and insight into some of the mysteries (as well as misconceptions!) of the log configuration options. We'll also cover how to tell if throughput problems might be due to the Logger, whether the cause is internal or external to MQ, and how to go about addressing these.

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

MQ Data Conversion and MH06

Speaker: Tim Zielke

Technical Level: Intermediate

This session will give an overview of MQ data conversion and cover how the MH06 Trace Tools SupportPac can be used as a data conversion debugging aid. Topics like code pages and encoding will be covered, with Unicode covered in some specific detail. We will also look at some of the data conversion differences between the procedural language of C and object oriented language of Java, and also some client considerations for data conversion. Data conversion problem determination aids such as tracing will be discussed, and we will also cover how tools such as message parsing in the MH06 SupportPac can be used to better understand the data conversion implications within your messages. I have used some of these principles and tools to help prevent and resolve real world MQ data conversion issues, so this should be an informative and practical session.

Time slots: Monday at 16:00; Tuesday at 9:50

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: Monday at 9:50

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: Monday at 13:00; Tuesday at 8:30

Programming with PCF Messages

Speaker: Mark Taylor, IBM

Technical Level: Advanced

MQ uses PCF messages for many administrative operations. This session will show how to create, parse and use PCF messages. It will also discuss common mistakes made by developers of PCF applications and how to diagnose what's going wrong.

Time slots: Monday at 14:30

Supporting IBM MQ on a Shoestring Budget

Speaker: Lee Wheaton, M&T Bank

Technical Level: Intermediate

This session will focus on ways to support your MQ environment when you have budget/other constraints or looking to reduce cost to contribute to your company's bottom line. Shoestring Topics are: summary of MQ support areas to be covered like FTE, administration, MQ support, licensing and consolidation, security, monitoring, tools, education/training and other related support. For each topic, shoestring alternatives will be presented for consideration. At the end of this session, time will be allotted for audience members to voice their own ideas on ways to deal with a shoestring budget.

Time slots: Monday at 16:00; Wednesday at 13:00

The Top Ten issues in IBM MQ and WebSphere MB

Speaker: Barry Lamkin, IBM

Technical Level: Intermediate

An overview of some of the most common issues experienced by users of IBM MQ and IBM Integration Broker (formerly WebSphere Message Broker).

Time slots: Tuesday at 16:00; Wednesday at 8:30

Using Publish/Subscribe in an MQ network

Speaker: Dave Ware, IBM

Technical Level: Intermediate

The publish/subscribe model can be used across a network of MQ queue managers, whether in a manually configured topology or in an MQ cluster. This session looks in depth at designing such systems, covering a wide range of requirements from availability to scalability and how each can be solved. This session covers all versions of MQ since publish/subscribe was added in V7. A basic familiarity with MQ publish/subscribe is preferable, such as session "An Introduction to MQ publish/subscribe".

Time slots: Tuesday at 14:30

What can you achieve with MQ clusters?

Speaker: Dave Ware, 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: Monday at 9:50; Wednesday at 14:30

What's New in IBM Messaging

Speaker: Mark Taylor & Dave Ware, 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

Where is my Message?

Speaker: Mark Taylor, 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 13:00; Wednesday at 13:00

MQ z/OS Sessions

Looking ahead to MQ support for z/OS Connect

Speaker: Matt Leming, IBM

Technical Level: Novice

z/OS Connect provides the ability to front z/OS assets with a RESTful API. This session covers the support that MQ provides for z/OS Connect and how it can be used to provide a RESTful front end to existing queue based applications with no changes to the applications themselves.

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

MQ for z/OS - Common issues and Problem determination

Speaker: Lyn Elkins, IBM

Technical Level: Novice

Let's talk about the most common problems seen on MQ for z/OS currently - we'll get the top things that the support organization sees and the current remedies. Then we'll look at resources available when things are going wrong.

Time slots: Tuesday at 13:00

MQ on z/OS - Performance, performance, performance

Speaker: Lyn Elkins, IBM

Technical Level: Intermediate

So you think above the bar bufferpools solved all your problems. Think again! Uncovering and fixing one performance problem just gets you closer to the next issue.

Time slots: Wednesday at 8:30

Shared queues - beyond the hype and into reality

Speaker: Lyn Elkins, IBM

Technical Level: Intermediate

In this session we'll talk about the amazing level of availability you can get with MQ for z/OS shared queues. And will talk about some of the issues that they bring with them, including exposing some application issues you may not know you have. And the costs, everyone always has to look at the costs.

Time slots: Monday at 8:30

Securing your z/OS Queue Manager

Speaker: Morag Hughson, MQGem Software

Technical Level: Intermediate

This session looks at how security facilities are provided in IBM MQ for z/OS. It will provide an introduction to IBM MQ for z/OS Security, looking at, what security is available, how it is activated/deactivated, what types of resources can be protected and an insight as to how IBM MQ for z/OS determines which userids it uses for the checks it performs. IBM MQ V8 introduced a number of new security features and many of these were just as applicable on z/OS as other platforms, so we will show how these features work on z/OS, and what error messages to look out for when using them.

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

Using and Analysing SMF data

Speaker: Mark Taylor & Lyn Elkins, IBM

Technical Level: Novice to Intermediate

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

IBM MQ Appliance Lab

Speaker: Jeff Lowrey, IBM

Technical Level: Intermediate

A virtual image of the IBM MQ Appliance will be available in the IBM lab area. This session will cover an introduction to the MQ Appliance and go through a short set of exercises. The MQ Appliance image and workbook will be available during the normal IBM Lab hours for additional hands on work.

Time slots: Tuesday at 9:50

Introducing the IBM MQ Appliance

Speaker: Matt Leming, 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 9:50

MQ Appliance HA and DR Deep Dive

Speaker: Matt Leming, 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: Monday at 16:00; Tuesday at 13:00

MQ Appliance Implementation Scenarios & Migration Best Practices

Speaker: Sandeep Chellingi, Prolifics

Technical Level: Intermediate

This presentation will cover Datacenter MQ Appliance deployment scenarios, standalone, high availability & disaster recovery setup & best practices. It will also discuss how to seamlessly migrate MQ Qmgrs and Objects to an MQ appliance. This session will also cover MQ Appliance monitoring and lessons learnt in recent implementations.

Time slots: Tuesday at 16:00; Wednesday at 9:50

MQ Light/MQTT Sessions

Hybrid Messaging with IBM Bluemix

Speaker: Matthew Whitehead, IBM

Technical Level: Intermediate

As it becomes more common to develop ad-hoc, micro-service applications using technologies like MQ Light, it will become increasingly important to reuse existing on-premise MQ applications and services. This session will explain and demonstrate how MQ is being enhanced to support MQ Light and how it can be used with IBM Bluemix to build hybrid messaging applications. It will also cover the MessageHub offering in Bluemix and how it integrates with MQ and MQ Light.

Time slots: Tuesday at 8:30

IBM MQ and IBM IOTF MessageSight v2.0

Speaker: Jeff Lowrey, IBM

Technical Level: Intermediate

IBM MQ and IBM IOTF MessageSight v2.0 provide an easy to use and rapid solution for connecting Mobile and Internet of Things devices to your existing MQ architecture. We will discuss the new MessageSight 2.0 features and distributed architecture. We will review the various MQ architectures, and discuss how to design the connectivity to MessageSight. Potential pitfalls and performance considerations will also be discussed. Further discussion of the REST based administrative API for MessageSight will follow, time pending.

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

IBM MQ and IBM IOTF MessageSight v2.0 Lab

Speaker: Jeff Lowrey, IBM

Technical Level: Intermediate

A virtual image of the IBM IOTF MessageSight v2.0 software will be available. This session will cover an introduction to MessageSight v2.0 and its MQ connectivity and go through a set of exercises to connect MessageSight and MQ. The MessageSight virtual image and workbook will be available during the normal IBM Lab hours for additional hands on work.

Time slots: Wednesday at 13:00

Running and Supporting MQ Light Applications

Speaker: Matthew Whitehead, IBM

Technical Level: Novice

MQ Light is an AMQP 1.0-based messaging API, first released by IBM in 2014 and added to MQ 8.0.0.4. MQ Light's aim is to make it incredibly quick and easy to add scalability and reliability to existing applications. This session will give an overview of the MQ Light API, demonstrate how quickly MQ Light applications can be written, and show how IBM MQ has been enhanced to support MQ Light applications. It will also cover scenarios which MQ Light is ideally suited to, and why microservice architectures are likely to increase the number of social, mobile and analytics apps that use MQ Light. Finally we'll explain the relationship between MQ, MQ Light, and Bluemix.

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

IBM Integration Bus (Message Broker) Sessions

Performance Considerations When Designing IBM Integration Bus Solutions

Speaker: Chris Frank, IBM

Technical Level: Intermediate

IBM Integration Bus is a crucial integration component of many enterprises' infrastructure. Come to this session for insight into how performance is affected by both configuration as well as message flow design decisions. Getting the most out of a system of any complexity is not a simple task, often involving trade-offs between throughput and resilience. This session will provide insight into the options available as well as various do's and don'ts to take into account, in the areas of application design, configuration options, and tuning.

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

What's New in IBM Integration Bus v10

Speaker: Bill Karounos, TransformaTech

Technical Level: Intermediate to Advance

This presentation goes over what's new in IBM Integration Bus Version 10. It highlights new features and changes to the broker with a focus in Hybrid Cloud integration.

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

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: Tuesday at 14:30; Wednesday at 9:50

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

Addressing PCI w/Capitalware – A Customer Perspective

Speaker: Chris Hanna, SouthWest Airlines

Technical Level: Novice to Intermediate

This session will highlight how to track MQ API calls in a queue manager via MQ Auditor and how security is implemented with MQ Authenticate User Security Exit, MQ Message Encryption and MQ Message Channel.

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

Automating MQ certificate management using Infrared360

Speaker: T.Rob Wyatt, IoPT Consulting & Peter D'Agosta, Avada Software

Technical Level: Intermediate

Sure you can do things the manual way, the hard way, the old way OR you can automate the entire certificate warning, update, refresh process and still have time for a bagel or twitter with your coffee break. Live demo IR360 vs. a Cert guru.

Time slots: Monday at 11:15

Introduction to APIs, Micro Services and IBM API Connect

Speaker: Steve Lokam, OpenLogix Corporation

Technical Level: Novice

This session introduces you to IBM API Connect and how APIs are modernizing the integration environments across all industries. We also will discuss if ESBs are still relevant in the age of APIs and micro services. What are the pros and cons of ESBs. How does the SOA world from a decade ago differ from the current microservices world. Is this here to stay? What do we do with existing investments in technologies like IBM MQ, IBM Message Broker and IBM Datapower and how do we leverage them in the API environment.

Time slots: Tuesday at 11:15

Middleware Managed Services: Friend or Foe?

Speaker: Chuck Fried, TxMQ & Miles Roty, TxMQ

Technical Level: Novice

Many enterprises are challenged with finding (and keeping) the right talent to support their Middleware Environments. In-house Middleware/Messaging professionals find themselves spread thin - supporting integration technology (through snow & rain & heat & gloom of night).

TxMQ can help - all for the price of a postage stamp (maybe). TxMQ offers Managed Services for IBM Middleware Products (and Databases). Learn how TxMQ Middleware Managed Services supports enterprises across North America with programs tailored to fill specific gaps (in talent and schedule), exactly as customers need it - from lightweight “safety-net” support, to complete environment monitoring and management. TxMQ Manages & Supports the entire IBM Middleware stack including MQ, IIB, Datapower, WAS and WAS Components, as well as Databases (DB2/Oracle).

Time slots: Monday at 11:15

Not just a monitor! Deploying MQ objects and object modifications using Infrared360

Speaker: Peter D'Agosta, Avada Software

Technical Level: Novice

Learn how to create, schedule, automate rollouts and changes to any and all MQ objects in mass using Infrared360 Service Automation™. Join us for a customer panel in this session.

Time slots: Tuesday at 11:15

Solving the top 10 problems in MQ/IIB with Nastel AutoPilot

Speaker: Richard Nikula, Nastel Technologies

Technical Level: Novice

MQ and other middleware are often behind the scenes, but they are vital to the successful operation of business applications. A problem in the middleware layer can mean loss of revenue or penalties for your organization.

In this session, you will learn how Nastel AutoPilot can be used to solve typical problems that can impact your business applications. Nastel AutoPilot provides technical views to the Middleware administrator, secure self-service views to application support teams, and forensic analysis for business teams. In addition, Nastel AutoPilot is the only solution that offers all of these capabilities across the middleware space, including MQ, IIB, DataPower, Managed File Transfer, Java application servers, Tibco and many more.

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

The MQGems - 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 tools that MQGem produces. This includes MO71 - our GUI administrator for MQ, MQSCX - a huge improvement on MQSC, and QLOAD - the load/unload messages tool. The presentation will include demonstrations of some of the above.

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

TxMQ's Qpacity: The MQ Capacity Planner

Speaker: Allan Bartleywood, TxMQ

Technical Level: Intermediate

"Are the boxes big enough? Do we have enough of them? What's the actual capacity?"

Traditional MQ performance monitors and support packs cannot answer these questions. They measure what MQ does - not what YOUR MQ could/should do. Public MQ performance guidelines are all lab-generated and cannot possibly reflect a particular environment's reality. Enter TxMQ's Qpacity.

TxMQ's innovative technology enables MQ administrators to measure usage and capacity of the entire MQ infrastructure with one comprehensive tool. Qpacity is designed for portability and use across multiple platforms. Optimize your company's MQ performance, measure MQ capacity before you build, diagnose the root of poor performance and take command of your ROI curve. Join us to discuss new enhancements to the Qpacity tool.

Time slots: Tuesday at 11:15

Understanding Hybrid Messaging with Message Hub and Bluemix

Speaker: Kunal Mittal, Miracle Software Systems

Technical Level: Novice to Intermediate

As more and more Enterprises move towards the cloud, Hybrid Messaging is becoming a crucial part of their Integration landscape. IBM Message Hub is a scalable, distributed, high throughput message bus built on Apache Kafka and available as a completely managed service on IBM Bluemix. In this session Miracle's Hybrid Integration expert, Kunal Mittal, will be talking about the various use cases of IBM Message Hub including how you can enable a messaging-based micro services architecture. The session will include demos and use cases around Message Connect, MQ Light, Message Hub, and more.

Time slots: Wednesday at 11:15

What Happened to my Transaction

Speaker: Barry Lamkin, IBM

Technical Level: Novice to Intermediate

An overview of Transaction Tracking and IBM Operation Analytics (IOA).

Time slots: Wednesday at 11:15

What is new in OMEGAMON XE for Messaging v7.3

Speaker: Barry Lamkin, IBM

Technical Level: Novice to Intermediate

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

Time slots: Tuesday at 11:15

What's New from MQGem Software - New Message Editor Product

Speaker: Paul Clarke, MQGem Software

Technical Level: Novice

In this session, Paul Clarke, founder and CEO of MQGem Software, will tell you all about a new product developed by MQGem Software, MQEDIT - a new live parsing message editor. The editor is still in Beta, so this is the ideal opportunity for you to come along and shape the direction of its development. The session will be largely demonstration based, so come along and see the editor in action. You can also enter a prize draw to win a free one-year license!

Time slots: Monday 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 Administration

An Introduction to MQ Publish/Subscribe by Dave Ware
Authentication in MQ by Morag Hughson
Check list of MQ top MQ security outstanding bugs/issues/gotchas by T.Rob Wyatt
Deploying MQ in a Self-Service way by Dave Ware
Deployment Patterns using Docker & Chef by Sandeep Chellingi
Hybrid Messaging with IBM Bluemix by Matt Whitehead
IBM Messaging in the Cloud by Matt Whitehead
IBM MQ and IBM IOTF MessageSight v2.0 by Jeff Lowrey
IBM MQ and IBM IOTF MessageSight v2.0 Lab by Jeff Lowrey
IBM MQ Appliance Lab by Jeff Lowrey
IBM MQ vs. Open Source MQ by Suganya Rane
Insourcing MQ by Suganya Rane
Introducing the IBM MQ Appliance by Matt Leming
Introduction to MQ Channels by Paul Clarke
Introduction to the MQI by Morag Hughson
Monitoring and Tracking MQ and Applications by Rob Parker
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Where is my Message? by Mark Taylor

MQ Advanced Administration

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Securing your z/OS Queue Manager by Morag Hughson
What's New in IBM Messaging by Mark Taylor & Dave Ware

MQ Performance

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Running and Supporting MQ Light Applications by Matt Whitehead
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MIDDLEWARE ISSUES KEEPING YOUR TEAM UNDERWATER?



Don't forget it's the MIDDLEware
that impacts your bottom line.

- Facilitates Dev/Ops to Bridge IT and Operations
- Single Pane to Multiple Technologies
- Group & Role Based Visibility and Control
- Smart Self-Service
- 40+% Operational Cost Reduction



MQ Security

- **Capitalware's MQ Authenticate User Security Exit** is a solution that allows a company to fully authenticate a user who is accessing a IBM MQ resource. It authenticates the user's UserID and Password against the server's native OS system, LDAP server, Microsoft's Active Directory, Quest Authentication Services, Centrify's DirectControl or an encrypted MQAUSX FBA file.
- **Capitalware's MQ Standard Security Exit** is a solution that allows a company to control and restrict who is accessing a IBM MQ resource.
- **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 Audit/Tracking

- **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.

TxMQ

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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.



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The MQ Capacity Planner

**STREAMLINE RE-PLATFORMING
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