Capitalware
Inc.

MQ Technical Conference v2.0.1.5

September 28 - September 30, 2015
Sandusky, Ohio
www.mqtechconference.com

Conference Directory

MQ Technical Conference v2.0.1.5 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 begines to fill up.

Analize 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.
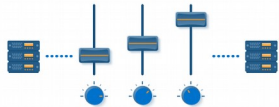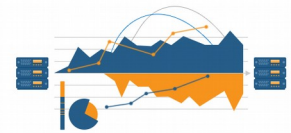
WebSphere MQ Change Management

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.

NASTEL
Driving Business Transaction Performance ®

3 Things That Nobody Tells You About MQ

Improve your MQ monitoring:

⇌ Detect MQ problems sooner

⇌ Enable self-service and improve productivity

⇌ Track MQ message flows

⇌ Automate discovery and configuration

When Good Flows Go Bad...

Track Message Flows:

⇌ MQ facilities for tracking

⇌ IIB/Broker facilities for tracking

⇌ Correlate data between IIB and MQ

⇌ Extend tracking to app servers & DataPower

Guest Speaker:
Richard Nikula, VP Product Development and Support

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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 27th from 5:00PM to 7:30PM and Monday, September 28th 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 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

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 P1

IBM offers integrated software and solutions for all of your business and organizational challenges.

www.ibm.com   Booth P4

Gold Sponsors

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

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

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

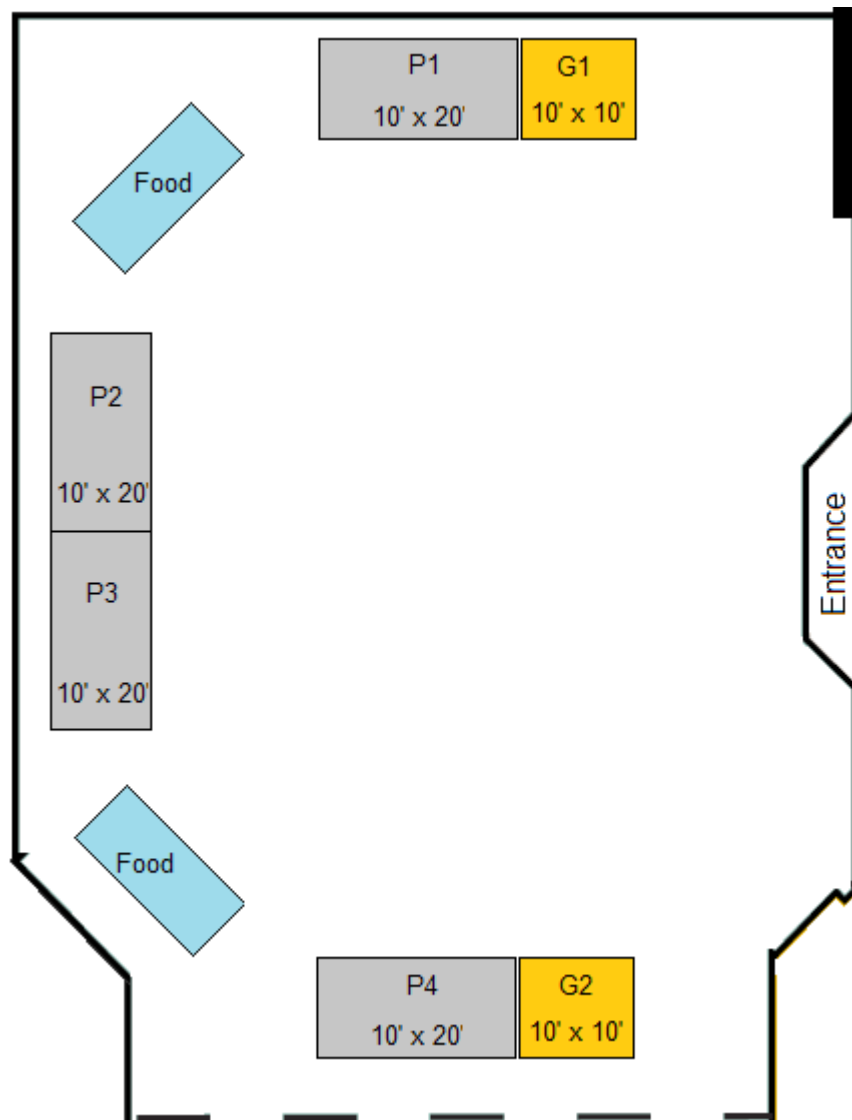# Pavilion Hours

The Sponsor Pavilion will be held in the Zambezi room at the following hours:
Monday, September 28th, 2015 – 5:00PM to 8:00PM
Tuesday, September 29th, 2015 – 5:00PM to 7:00PM

Sponsor Pavilion Layout

P1	G1
10' x 20'	10' x 10'

Food

P2
10' x 20'
P3
10' x 20'

Food

P4	G2
10' x 20'	10' x 10'

Entrance

Schedule

Sunday Start	End						
17:00	20:00	**Registration Social in Zambezi**					

Monday Start	End	Nile & Orange	Aloeswood	Leopardwood	Rosewood	Sagewood	Zebrawood
07:00	08:45	*Breakfast*					
08:15	08:30	**Opening Remarks**					
08:30	09:40		Pure pattern for MQ & IIB components Sandeep Chellingi	SSL/TLS: Using and Managing Certificates Glen Brumbaugh	Mysteries of the Distributed MQ Logger Chris Frank	MQ for z/OS - An introduction to tuning and queue manager management Lyn Elkins	What's New in WebSphere MQ Mark Taylor
09:40	09:50	*Break*					
09:50	11:00		Managing CA Certificates for MQ T.Rob Wyatt	Introduction to MQ Roger Lacroix	MQ for Administrators Art Rodriguez	An Introduction to MQ Light and Bluemix Matt Whitehead	What can you achieve with MQ clusters? Dave Ware
11:00	11:15	*Break*					
11:15	12:00		Productivity through smart self service for IBM MQ/IIB Peter D'Agosta	Capitalware's Commercial & Open Source Products Explained Roger Lacroix	3 Things That Nobody Tells You About MQ Monitoring Richard Nikula	MQ Capacity Planner Allan Bartleywood	What is new in OMEGAMON XE for Messaging v7.3 Barry Lamkin
12:00	13:00	*Lunch*					
13:00	14:15		Monitoring and Tracking for Remote MQ Environments Richard Nikula	SOA, APIs, and MQ Glen Brumbaugh	IOTF, MessageSight and Bluemix Jeff Lowrey	MQ for z/OS - Taking advantage of the platform Lyn Elkins	MQ Integration with Directory Services Mark Taylor
14:15	14:45	*Break*					
14:45	16:00		MQ Telemetry Gary Dischner	The top ten issues in IBM MQ and IIB Barry Lamkin	Flexible MQ Topologies in IBM Integration Bus V10 Chris Frank	An Introduction to JMS 2.0 in MQ V8 Matt Whitehead	Introducing the IBM MQ Appliance Dave Ware
16:00	16:15	*Break*					
16:15	17:30		Beyond Intrusion Prevention T.Rob Wyatt	Architecting & Tuning IIB / eXtreme Scale for Maximum Performance and Reliability Suganya Rane	The new MQ Appliance as a "Messaging in a Box" and "MQ/MFT Hub" solution Sandeep Chellingi	MQ Problem Determination With Tracing Tim Zielke	Can your App keep up with MQ Allan Bartleywood

17:00	20:00	**Sponsor Pavilion in Zambezi**					

Tuesday							
Start	End	Nile & Orange	Aloeswood	Leopardwood	Rosewood	Sagewood	Zebrawood
07:00	08:45	*Breakfast*					
08:30	09:40		MQ Internet Pass Through Art Rodriguez	Top Ten ways to improve your MQ/IIB environment Suganya Rane	MQ Appliance Administration Using the IBM MQ Console Chris Frank	Hybrid messaging with MQ Light, MQ's beta support for AMQP, and Bluemix Matt Whitehead	An Introduction to MQ Publish/Subscribe Dave Ware
09:40	09:50	*Break*					
09:50	11:00		Enabling Auto-Segmentation of Messages Having Defined Properties Greg Brown	MQ Performance Tuning Glen Brumbaugh	Advanced MQTT for Developers Jeff Lowrey	MQ for z/OS - The V8 SMF data Lyn Elkins	Programming with PCF Messages Mark Taylor
11:00	11:15	*Break*					
11:15	12:00		An Infrared360 deep dive- little known secrets Peter D'Agosta	Application API Tracking Roger Lacroix	When Good Flows Go Bad… Richard Nikula	Advanced Scripting with MQSCX T.Rob Wyatt	7 Tips to Successful Engagements with your Business Partners Steve Lokam Krista Valentine
12:00	13:00	*Lunch*					
13:00	14:15		Can your App keep up with MQ Allan Bartleywood	Pure pattern for MQ & IIB components Sandeep Chellingi	Mysteries of the Distributed MQ Logger Chris Frank	An Introduction to MQ Light and Bluemix Matt Whitehead	Using Publish/Subscribe in an MQ network Dave Ware
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16:00	16:15	*Break*					
16:15	17:30		The top ten issues in IBM MQ and IIB Barry Lamkin	SOA, APIs, and MQ Glen Brumbaugh	MQ Telemetry Gary Dischner	MQ for Administrators Art Rodriguez	**Meet the Experts**
17:00	19:00	**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		Managing CA Certificates for MQ T.Rob Wyatt	IOTF, MessageSight and Bluemix Jeff Lowrey	Flexible MQ Topologies in IBM Integration Bus V10 Chris Frank	MQ for z/OS - The V8 SMF data Lyn Elkins	MQ Integration with Directory Services Mark Taylor
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11:00	11:15	*Break*					
11:15	12:00		How to build a PLUG-IN to the IR360 framework Peter D'Agosta T.Rob Wyatt AJ Aronoff	Authentication with MQAUSX Roger Lacroix	TxMQ Virtual MQ Allan Bartleywood	What happened to my Transaction Barry Lamkin	
12:00	13:00	*Lunch*					
13:00	14:15		Enabling Auto-Segmentation of Messages Having Defined Properties Greg Brown	Top Ten ways to improve your MQ/IIB environment Suganya Rane	MQ Appliance Administration Using the IBM MQ Console Chris Frank	MQ for z/OS - An introduction to tuning applications for performance Lyn Elkins	Programming with PCF Messages Mark Taylor
14:15	14:45	*Break*					
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16:00	16:15	Closing Remarks					

MQ Sessions

An Introduction to JMS 2.0 in MQ V8

Speaker: Matthew Whitehead, IBM
Technical Level: Intermediate
The JMS 2.0 specification was released in April 2013 and includes a range of new features that build on top of JMS 1.1. This session will give an overview of the features that have been added in JMS 2.0, and the changes and additions we have made to MQ to support these features. It will cover some of the changes that break compatibility with JMS 1.1, and how to configure MQ to revert to JMS 1.1 behaviour.
Time slots: Monday at 14:45; Wednesday at 14:45

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

Beyond Intrusion Prevention

Speaker: T.Rob Wyatt, IoPT Consulting
Technical Level: Intermediate
Mention MQ security and most people think of SSL channels, user authentication and setmqaut commands. But the business drivers for security are confidentiality, integrity, and availability - abbreviated often as CIA. In that context things like intrusion detection, post-breach recovery, and forensic analysis are just as important as perimeter defenses. Attackers get through the perimeter every day. Would you know if that happened? What would you do? This session reexamines the MQ security controls you are already familiar with but in a new light. And it just might introduce you to a few new ones.
Time slots: Monday at 16:15; Tuesday at 14:45

Can your App keep up with MQ

Speaker: Allan Bartleywood, TxMQ
Technical Level: Intermediate to Advanced
A session on programming applications, be they Client side or Server side, to interacting with an MQ environment. Using best practices in the Object Model for both Java and C# for performance and reuse of resources and reducing resource Queue Manager and server resource usage.
Time slots: Monday at 16:15; Tuesday at 13:00

Enabling Auto-Segmentation of Messages Having Defined Properties

Speaker: Greg Brown, CACI
Technical Level: Intermediate
Queue manager mediated message segmentation has been a salient feature of IBM MQ since at least version 2. In version 7 IBM MQ introduced message properties a la JMS. While an MQPUT of an excessively large message on which properties have been defined is successfully auto-segmented by a queue manager, the first message segment exceeds the target MQ object's max message size attribute by an amount equal to the total size of all message property name-value pairs. Consequently, subsequent MQGETs on either the segmented message or any message following it fail.
This session discusses the nature of this undocumented 'feature constraint', and presents a simple technical implementation solution pattern that employs a mechanism which enables reliable queue manager mediated segmentation of messages on which properties have been defined.
Time slots: Tuesday at 9:50; Wednesday at 13:00

Introduction to MQ

Speaker: Roger Lacroix, Capitalware Inc.
Technical Level: Novice
This session will introduce new users to IBM MQ. It will provide an overview to MQ objects such as, queue managers, queues, channels, namelists, etc.
Time slots: Monday at 9:50

Managing CA Certificates for MQ

Speaker: T.Rob Wyatt, IoPT Consulting
Technical Level: Intermediate
So you want to enable SSL on your MQ channels using a commercial Certificate Authority? Unfortunately, very few CAs provide documentation relevant to MQ. This session explains the certificate features and options offered by commercial CAs, how these interact with MQ, and which to choose. The session ends with a step-by-step implementation and diagnostic process that will slash your deployment effort.
Time slots: Monday at 9:50; Wednesday at 8:30

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 16:15

Monitoring and Tracking for Remote MQ Environments

Speaker: Richard Nikula, Nastel Technologies
Technical Level: Novice
With the evolution of MQ to a widely distributed set of components, possibly include the MQ Appliance, managing and tracking MQ has unique requirements.   This session will start with a review of the challenges of remote MQ management. It will then look at techniques available to monitor and track transactions that run on remote MQ systems without the need for 3rd party tools.   It will conclude by exploring how these techniques can be leveraged for other related environments such as IBM Integration Bus (Broker) and Managed File Transfer (FTE).
Time slots: Monday at 13:00; Wednesday at 9:50

MQ for Administrators

Speaker: Art Rodriguez, TxMQ
Technical Level: Novice to Intermediate
This session will discuss the installation, administration, configuration and use of WebSphere MQ in an enterprise computing environment from the point of view of the systems admin team. The session is targeted toward IT system administrators with Windows, UNIX, and Linux background. The session will is intended to build upon the basic introduction to MQ, with a focus on Administrative best practices, system architecture considerations, naming conventions, basic and advanced tools (command line & the explorer, scripting and automation, backup and recovery and basic troubleshooting techniques.
Time slots: Monday at 9:50; Tuesday at 16:15

MQ Integration 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: Monday at 13:00; Wednesday at 8:30

MQ Internet Pass Through

Speaker: Art Rodriguez, TxMQ
Technical Level: Intermediate
This session will discuss the installation, administration, configuration and use of MQIPT. We will also cover how MQITP works, possible configurations, features, use cases, security considerations, upgrading to V2.1, and migrating from v2.0 to 2.1.
Time slots: Tuesday at 8:30; Wednesday at 9:50

MQ Performance Tuning

Speaker: Glen Brumbaugh, TxMQ
Technical Level: Advanced
A basic performance analysis methodology is first quickly reviewed as a stepping stone for looking at performance. This presentation then reviews the basic factors that define messaging performance within a MQ system. The MQI, indexes, locks, threads, and channels are all covered and their impact upon performance are all discussed. Finally, the basic MQ bottlenecks (MQI performance per thread and channels) are covered and architectural approaches to each of these bottlenecks is reviewed.
Time slots: Tuesday at 9:50; Wednesday at 9:50

MQ Problem Determination with Tracing on Linux

Speaker: Tim Zielke
Technical Level: Intermediate
This session will mainly cover how distributed strmqtrc API tracing, the Application Activity Trace, and the MH06 Trace Tools supportpac can be leveraged to do enhanced problem determination for MQ applications. We will also briefly cover some native distributed commands (i.e. lsof, strace) that can aid in problem determination. Tracing and the Application Activity Trace can be a very effective way to quickly get to the bottom of your MQ application issues. They can also be a great aid for application review.
Time slots: Monday at 16:15; Tuesday at 14:45

Mysteries of the Distributed MQ Logger

Speaker: Chris Frank, IBM
Technical Level: Intermediate
A core component of IBM MQ is the transaction logger. But since there is little direct interaction with this component, it can be something of a mystery to many MQ customers. Come to this session if you've ever had questions about how to decide what kind of logging you should use, what some of the more esoteric log parameters really mean, to have a few myths about the logger dispelled, and to see how to get the best performance out of MQ when doing persistent messaging. You will not leave disappointed!
Time slots: Monday at 8:30; Tuesday at 13:00

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

SOA, APIs, and MQ

Speaker: Glen Brumbaugh, TxMQ
Technical Level: Intermediate
This presentation reviews Service Oriented Architecture (SOA) and, specifically, the role the ESB plays within that architecture. This architecture is discussed from both an infrastructure and application point of view. The position of MQ within the ESB is discussed in depth and contrasted with Message Broker/Integration Server, WESB, and Web Services. Finally, the evolution/transformation/rebranding of Services into APIs is discussed as well as the implications of APIs for MQ.
Time slots: Monday at 13:00; Tuesday at 16:15

SSL/TLS: Using and Managing Certificates

Speaker: Glen Brumbaugh, TxMQ
Technical Level: Intermediate
This presentation first reviews the mechanics of x.509 certificate based security and the strengths and weaknesses of the SSL/TLS protocol for use within an infrastructure. Certificate management, Certificate standards, and the available tools to use are all covered in detail. This presentation reviews the CMS, JKS, JCEKS, PKCS #12, PEM, Base 64 and DER encoding formats for Keystores/Truststores and certificates. The iKeyMan, gsk…, keytool, and openSSL tools are then covered. The use of certificates in MQ, Message Broker/Integration Server, Apache, and WebSphere are discussed as well as the formats and tools appropriate for each of these software products. Finally, some examples are provided for converting between encoding formats.
Time slots: Monday at 8:30; Wednesday at 14:45

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: Monday at 14:45; Tuesday at 16:15

Top Ten ways to improve your MQ/IIB environment

Speaker: Suganya Rane, Prolifics
Technical Level: Intermediate
This session will cover a check-list which customers can use to help evaluate their MQ/IIB environment. It will also have some best practices and recommendations along with some tips and tricks on the useful Support Pacs, including some Migration/Upgrade tips.
Time slots: Tuesday at 8:30; Wednesday at 13:00

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 V7, including many details of the new MQ V8 features. A basic familiarity with MQ publish/subscribe is preferable, such as session "An Introduction to MQ publish/subscribe".
Time slots: Tuesday at 13:00

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 14:45

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 MQv8 changes, the IBM MQ Appliance and MQ Light. 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 14:45

MQ z/OS Sessions

MQ for z/OS - An introduction to tuning and queue manager management

Speaker: Lyn Elkins, IBM
Technical Level: Novice to Intermediate
Am I getting the best out of my MQ for z/OS queue manager? What can the statistics data tell me about how it is running, and what I can do to help it out. This session will do a review of the SMF 115 data and messages from the JES logs that are required to tune and manage your z/OS queue manager.
Time slots: Monday at 8:30; Tuesday at 14:45

MQ for z/OS - An introduction to tuning applications for performance

Speaker: Lyn Elkins, IBM
Technical Level: Novice to Intermediate
Everyone wants to get the best out of their applications and queue managers, especially on z/OS where an inefficient application can drive up MLC charges. This session will describe the task accounting data, SMF 116 class 3 data, and how it can help identify applications with opportunities. Included will be how to effectively use the SMF and control the costs associated with gathering this data.
Time slots: Wednesday at 13:00

MQ for z/OS - Taking advantage of the platform

Speaker: Lyn Elkins, IBM
Technical Level: Intermediate
This session will present some of the unique characteristics of MQ on z/OS. Including queue sharing groups, use of the compression accelerator, use of flash memory, and above the bar buffer pools (introduced with MQ V8). The features are unique to z, and can lead to better use of the hardware and software.
Time slots: Monday at 13:00

MQ for z/OS - The V8 SMF data

Speaker: Lyn Elkins, IBM
Technical Level: Intermediate
Because we have not bored you enough with MQ SMF data, we are bringing more! MQ V8 introduced Channel initiator statistics and Channel accounting data. While we do not yet have the wonderful wealth of information from live customer data on v8 yet, we can show how it is intended to be used and what it can show.
Time slots: Tuesday at 9:50; Wednesday at 8:30

IBM MQ Appliance

Introducing the IBM MQ Appliance

Speaker: Dave Ware, 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 14:45; Wednesday at 9:50

MQ Appliance Administration Using the IBM MQ Console

Speaker: Chris Frank, IBM
Technical Level: Intermediate
The IBM MQ Appliance M2000 includes a new tooling interface, the IBM MQ Console. This is a browser-based tool, offering both configuration and monitoring capabilities for queue managers as well as the hosting appliance. How does this new tool differ from the MQ Explorer? What does this new tool look like? How does it work? How can its capabilities be used to full advantage? Since the intent is to support the IBM MQ Console for IBM MQ in general, not only the appliance, all users of IBM MQ today should find this session of interest. Come and see what it's all about!
Time slots: Tuesday at 8:30; Wednesday at 13:00

The new MQ Appliance as a "Messaging in a Box" and "MQ/MFT Hub" solution

Speaker: Sandeep Chellingi, Prolifics
Technical Level: Intermediate
This session will be about how the MQ Appliance and how you can upgrade & consolidate all your Distributed MQ footprint to a pair of HA MQ Appliances. Also, learn how the MQ Appliance makes a perfect MQ/MFT Hub and help you with a "Metadata Driven Framework" around the implementation of MQ/MFT and it Protocol Bridges to achieve a cost effective, reliable, secure and fully automated implementation
Time slots: Monday at 16:15; Wednesday at 14:45

MQ Light/MQTT Sessions

Advanced MQTT for Developers

Speaker: Jeff Lowrey, IBM
Technical Level: Advanced
This session covers the quality of service considerations, connection patterns, security, designing topic trees and comparisons of available language bindings (JMS vs MQTT, websockets, java bindings, etc).
Time slots: Tuesday at 9:50; Wednesday at 14:45

An Introduction to MQ Light and Bluemix

Speaker: Matthew Whitehead, IBM
Technical Level: Novice
MQ Light is an AMQP 1.0-based messaging API released by IBM in 2014. 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, including various live demos to show how quickly MQ Light messaging can be added to an application. It will also cover scenarios which MQ Light is ideally suited to, and why micro-service 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; Tuesday at 13:00

Hybrid messaging with MQ Light, MQ's beta support for AMQP & 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 re-use existing on-premise MQ systems to host them. 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. The session will start with the basics of running an MQ Light app and connecting it to MQ, before moving on to more detailed subjects such as how MQ Light messages map to MQ messages, how to apply MQ security features to MQ Light connections, and how to monitor MQ Light activity in your queue.
Time slots: Tuesday at 8:30; Wednesday at 9:50

IOTF, MessageSight and Bluemix

Speaker: Jeff Lowrey, IBM
Technical Level: Novice to Intermediate
An Introduction to BlueMix and NodeRED functions, and how they provide connectivity to disparate data sources (twitter, etc), A discussion of IOTF and how it uses MQTT and where it can fit into a larger MQ infrastructure and some on using MessageSight in Software layer.
Time slots: Monday at 13:00; Wednesday at 8:30

MQ Telemetry

Speaker: Gary Dischner, TxMQ
Technical Level: Intermediate to Advanced
The topic of mobile devices/solutions is a hot topic in the IT industry. I will talk about the use of MQ telemetry, repositories and the pub/sub model.
Time slots: Monday at 14:45; Tuesday at 16:15

IBM Integration Bus (Message Broker) Sessions

Architecting & Tuning IIB / eXtreme Scale for Maximum Performance and Reliability

Speaker: Suganya Rane, Prolifics

Technical Level: Intermediate

Part A: Extreme scale integration with IIB

> IIB integration with extreme scale, data gathering and analysis, discussing everything from the network (multiple NICs, nearby catalogs, high speed Ethernet), to the latest features of extreme scale. Performance analysis helps pinpoint where time is spent (bottlenecks) and we discuss optimization techniques (MQ tuning, IIB performance best practices) as well as helpful IBM support packs.

Part B: Performance tuning with MQ and IIB

> What can we do to achieve better performance? This session will cover some fine tuning tips for MQ and IIB components to better assist applications and the business work effectively.

Time slots: Monday at 16:15; Tuesday at 14:45

Flexible MQ Topologies in IBM Integration Bus V10

Speaker: Chris Frank, IBM

Technical Level: Intermediate

IBM Integration Bus and its predecessor WebSphere Message Broker have always required a local MQ queue manager as a foundational component. IIB V10 continues to support MQ but no longer requires a local queue manager. Why was this change made? What are the implications for existing message flows? What advantages does the relaxed MQ requirement provide? What migration concerns might it raise? Come to this session for answers to these questions, as well as guidance on how to make the most of the new possibilities this significant change to IIB will provide.

Time slots: Monday at 14:45; Wednesday at 8:30

Pure pattern for MQ & IIB components

Speaker: Sandeep Chellingi, Prolifics

Technical Level: Intermediate

This session will cover why Pure Applications are a powerful platform, how MQ & IIB patterns are critical in fitting Pure Application to your unique IT environment needs. This will show case a demo on how to build and deploy MQ & IIB patterns to multiple environment within hours.

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

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

3 Things That Nobody Tells You About MQ Monitoring

Speaker: Richard Nikula, Nastel Technologies
Technical Level: Novice
Improve your MQ, stop working so hard and learn to:
- Detect problems before the alarm goes off, monitoring trends
- Use automation for discovery and configuration
- Track the flow of messages across systems
- Use self-service, enable others and improve productivity

Time slots: Monday at 11:15

7 Tips to Successful Engagements with your Business Partners

Speaker: Krista Valentine & Steve Lokam, OpenLogix Corporation
Technical Level: Novice
We all work with business partners every day for one need or another. Are you getting the most out of this relationship? In this session we will discuss 7 tips on how to ensure successful engagements with your business partners and help you make sure you are getting the most out of this relationship.
Time slots: Tuesday at 11:15

Advanced scripting with MQSCX

Speaker: T.Rob Wyatt, IoPT Consulting
Technical Level: Intermediate
If you do any MQSC scripting at all, you are probably used to running discrete commands and parsing the output in BASH or KSH. Thanks to popular demand and feedback from the community, MQSCX from MQ Gem now has extensive scripting support and can slash script development time and complexity. For the first time scripting tasks that should be simple actually are. Automation can make it easier for MQ admins and other stakeholders to do the right thing than to take shortcuts that leave the network vulnerable. MQSCX makes that automation accessible to everyone, which in turn helps keep the network secure. Show up for the MQSCX training or show up to see some really cool scripts and automation. Either way you will leave with some ideas on how to automate some tasks in your own MQ network.
Time slots: Tuesday at 11:15

An Infrared360 Deep Dive - Little Known Secrets

Speaker: Peter D'Agosta, Avada Software
Technical Level: Novice
One of the hottest emerging technologies in 2015 has been the Internet of Things(IoT). To stay current and meet client demand, your organization's middleware tier - including the IBM WebSphere stack of application servers, enterprise messaging, transformation engines, and perimeter devices - must accommodate every device that may communicate to or from the middleware stack. Provide visibility into the things that are important to you and get to the source of any issue without getting lost in the forest of data.
Time slots: Tuesday at 11:15

Application API Tracking

Speaker: Roger Lacroix, Capitalware Inc.
Technical Level: Novice to Intermediate
This session will highlight how to track MQ API calls in a queue manager via MQ Auditor.
Time slots: Tuesday at 11:15

Authentication with MQAUSX

Speaker: Roger Lacroix, Capitalware Inc.
Technical Level: Novice to Intermediate
In this session, we will demonstrate how to use authentication to securely lock-down the queue managers in a company's MQ environment and compare MQAUSX versus IBM MQ v8 authentication.
Time slots: Wednesday at 11:15

Capitalware's Commercial & Open Source Products Explained

Speaker: Roger Lacroix, Capitalware Inc.
Technical Level: Novice to Intermediate
This session will highlight the differences between Capitalware's 'Open Source', 'License As Free' and Commercial software offerings.
Time slots: Monday at 11:15

How to build a PLUG-IN to the IR360 framework

Speaker: Peter D'Agosta, Avada Software; T.Rob Wyatt, IoPT Consulting; AJ Aronoff
Technical Level: Intermediate
Did you know your web application can be a plug-in to the Infrared360 framework? Yes – come meet a business partner who integrated their application into Infrared360 and HOW they did it!
Time slots: Wednesday at 11:15

MQ Capacity Planner

Speaker: Allan Bartleywood, TxMQ
Technical Level: Intermediate to Advanced
How to measure and plan the capacity of your MQ environment Vs what is the current usage.
Time slots: Monday at 11:15

Productivity through smart self service for IBM MQ/IIB

Speaker: Peter D'Agosta, Avada Software
Technical Level: Intermediate
Learn how to manage an IT ecosystem with an emphasis on visibility, collaboration and delegation, maximizing resource productivity. Position individual users and teams to take actions on their own, eliminating the bottleneck of waiting for a central administrator to make minor changes–all while preserving corporate security policies. Gain an understanding of how MQ and IIB management can be a secure and user-friendly practice for the entire enterprise, from the target servers to the user desktop.
Time slots: Monday at 11:15

TxMQ Virtual MQ

Speaker: Allan Bartleywood, TxMQ
Technical Level: Intermediate to Advanced
TxMQ working with customers in delivering a hardened Virtual Red Hat MQ scalable image.
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: Monday 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

When Good Flows Go Bad...

Speaker: Richard Nikula, Nastel Technologies
Technical Level: Novice
MQ transactions can run on a number of different platforms and locations. They typically interact with other environments such as IBM Integration Bus (Broker) and DataPower. It can be challenging to track the flow of activities in these environments. In this session, you will learn:
- The facilities provided by MQ for tracking MQ activity
- The facilities provide by IIB/Broker for tracking activity within message flows
- Techniques for correlating data between broker and MQ for cross platform visibility
- How similar techniques could be used for extending tracking to application servers, DataPower or other platforms

Time slots: 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 Administration

An Introduction to MQ Publish/Subscribe by Dave Ware
Introduction to MQ by Roger Lacroix
Monitoring and Tracking for Remote MQ Environments by Richard Nikula
MQ for Administrators by Art Rodriguez
MQ for z/OS – An introduction to tuning and queue manager management by Lyn Elkins
MQ Telemetry by Gary Dischner
The top ten issues in IBM MQ and IIB by Barry Lamkin
Using Publish/Subscribe in an MQ network by Dave Ware
What's New in IBM Messaging by Mark Taylor
Where is my Message? by Mark Taylor

MQ Advanced Administration

Beyond Intrusion Prevention by T.Rob Wyatt
Managing CA Certificates for MQ by T.Rob Wyatt
MQ for z/OS – The V8 SMF data by Lyn Elkins
MQ Integration with Directory Services by Mark Taylor
MQ Internet Pass Through by Art Rodriguez
MQ Performance Tuning by Glen Brumbaugh
MQ Problem Determination With Tracing by Tim Zielke
Mysteries of the Distributed MQ Logger by Chris Frank
SOA, APIs, and MQ by Glen Brumbaugh
SSL/TLS: Using and Managing Certificates by Glen Brumbaugh
Using Publish/Subscribe in an MQ network by Dave Ware
What can you achieve with MQ clusters? by Dave Ware
What's New in IBM Messaging by Mark Taylor

MQ Programming

Advanced MQTT for Developers by Jeff Lowrey
An Introduction to JMS 2.0 in MQ V8 by Matt Whitehead
An Introduction to MQ Light and Bluemix by Matt Whitehead
An Introduction to MQ Publish/Subscribe by Dave Ware
Can your App keep up with MQ by Allan Bartleywood
Hybrid messaging with MQ Light, MQ's beta support for AMQP & Bluemix by Matt Whitehead
Enabling Auto-Segmentation of Messages Having Defined Properties by Greg Brown
Introduction to MQ by Roger Lacroix
MQ for z/OS – An introduction to tuning applications for performance by Lyn Elkins
MQ Problem Determination With Tracing by Tim Zielke
MQTT Programming by Roger Lacroix
PCF Programming by Mark Taylor
SOA, APIs, and MQ by Glen Brumbaugh
What's New in IBM Messaging by Mark Taylor
Where is my Message? by Mark Taylor

MQ Security

Beyond Intrusion Prevention by T.Rob Wyatt
Managing CA Certificates for MQ by T.Rob Wyatt
MQ Integration with Directory Services by Mark Taylor
SSL/TLS: Using and Managing Certificates by Glen Brumbaugh
What's New in IBM Messaging by Mark Taylor

MQ Performance

Enabling Auto-Segmentation of Messages Having Defined Properties by Greg Brown
MQ Performance Tuning by Glen Brumbaugh
Mysteries of the Distributed MQ Logger by Chris Frank
What's New in IBM Messaging by Mark Taylor

MQ on z/OS

Beyond Intrusion Prevention by T.Rob Wyatt
Introduction to MQ by Roger Lacroix
Managing CA Certificates for MQ by T.Rob Wyatt
MQ for z/OS – An introduction to tuning and queue manager management by Lyn Elkins
MQ for z/OS – An introduction to tuning applications for performance by Lyn Elkins
MQ for z/OS – Taking advantage of the platform by Lyn Elkins
MQ for z/OS – The V8 SMF data by Lyn Elkins
MQ Performance Tuning by Glen Brumbaugh
SOA, APIs, and MQ by Glen Brumbaugh
SSL/TLS: Using and Managing Certificates by Glen Brumbaugh
What's New in IBM Messaging by Mark Taylor

MQ Architecture

Architecting & Tuning IIB / eXtreme Scale for Maximum Performance and Reliability by Suganya Rane
Flexible MQ Topologies in IBM Integration Bus V10 by Chris Frank
Introducing the MQ Appliance by Dave Ware
IOTF, MessageSight and Bluemix by Jeff Lowrey
MQ Appliance Administration Using the IBM MQ Console by Chris Frank
MQ Internet Pass Through by Art Rodriguez
MQ Telemetry by Gary Dischner
Pure pattern for MQ & IIB components by Sandeep Chellingi
The new MQ Appliance as a "Messaging in a Box" and "MQ/MFT Hub" solution by Sandeep Chellingi
The top ten issues in IBM MQ and IIB by Barry Lamkin
Top Ten ways to improve your MQ/IIB environment by Suganya Rane
What's New in IBM Messaging by Mark Taylor

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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.