



Systems Middleware

# Guide Share France Groupe de Travail MQ Décembre 2016

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# Agenda

- Evènements
- Nouveautés: MQv9.0.1
  - Luc Michel
  - Carl Farkas
- MQ z/OS Tools
  - Carl



# MQ Developer Center on developerWorks

<https://developer.ibm.com/messaging/ibm-mq/>

The screenshot shows a web browser window displaying the IBM MQ Developer Center page. The browser's address bar shows the URL <https://developer.ibm.com/messaging/ibm-mq/>. The page features the IBM logo and the text "developerWorks" and "Developer Centers". The main heading is "IBM MQ" with a large envelope icon. Below the heading, there are navigation links: "Products", "Downloads", "Videos", "Sample Code", "Blogs", "Docs", and "Get Help". A green Christmas ornament with a bow is visible on the right side of the page. Below the main heading, there are five buttons: "All IBM MQ", "MQ on Distributed", "MQ Appliance", "MQ on z/OS", and "MQ on Cloud". The page also includes sections for "Latest blog updates" and "Latest news".

File Edit View History Bookmarks Tools Help

IBM MQ | IBM Messaging

https://developer.ibm.com/messaging/ibm-mq/

IBM developerWorks Developer Centers Marketplace

IBM Messaging Products Downloads Videos Sample Code Blogs Docs Get Help

IBM MQ

Feedback on our new design? Email us

All IBM MQ MQ on Distributed MQ Appliance MQ on z/OS MQ on Cloud

Latest blog updates

- [BiteSize Blogging: MQ 9.0.1 - Administrative REST API](#) 12 December 2016  
Another in the series of bitesize blog posts about new features in MQ. Check out the whole series here . MQ 9.0.1 is the first release in the MQ Version 9 Continuous Delivery Stream. One of the new features

Latest news

IBM MQ

## IBM Cloud Technical University

The IBM software event-of-the-year in Europe is now open for registration!

- Over 170 sessions designed to give you that edge in mastering the latest in IBM software as well as other industry technologies running on all platforms.
- Presentations and hands-on labs – an investment in *your skills*.
- A terrific opportunity to meet and discuss with the worldwide experts.
- Sessions on the leading technologies that you're using today... and that you'll want to learn about for tomorrow.
- Madrid, 25-28 October 2016
- Details and Registration at

<http://learnquestconference.com/ctu16/>

Discount Guide! Contact  
pfalzgraf@btbnet.de

• Node.js

• BPM

• CICS

• APIC

• IIB

• MQ

• WAS

• UCD

• ODM

• APM

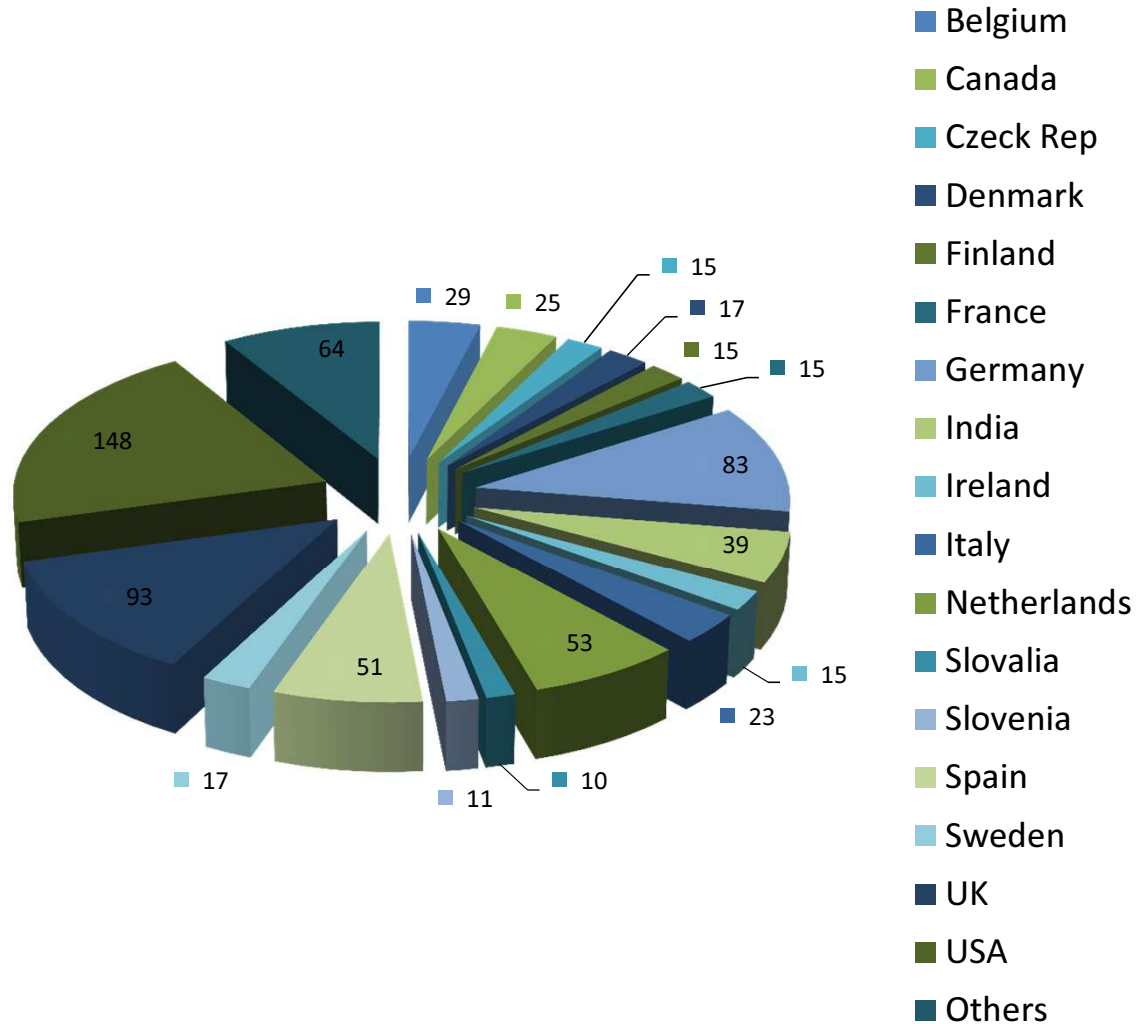




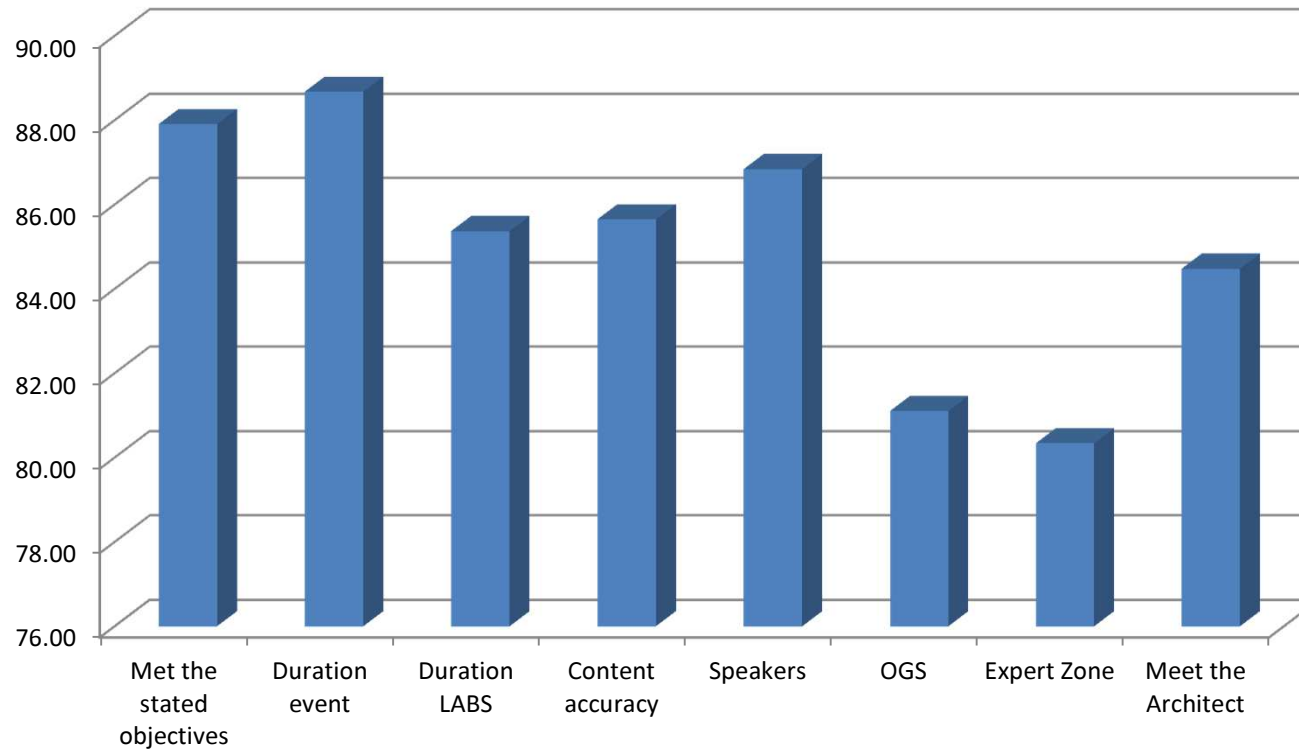
# Event Attendees

**750+**  
**attendees**

**From 39**  
**countries**  
**around and**  
**5 continents**



# Attendee overall satisfaction



- Apply the skills taught at this event in your job: 91,53%
- Recommend this event to others: 91,14%
- Attend next year's event: 92,08%

# Track: Hybrid Integration

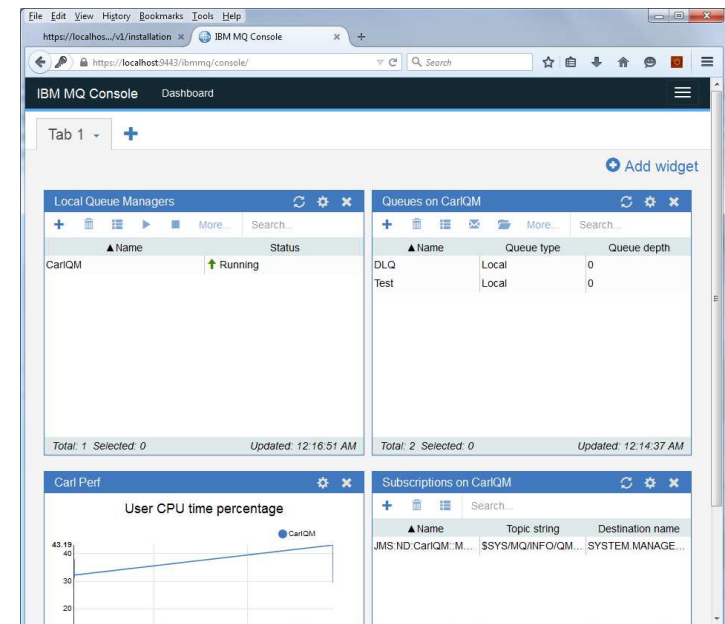
15 sessions  
au sujet de  
MQ

164	Charlie Martin	What's new in the world of IBM Messaging?
165	Charlie Martin	Introducing IBM Message Hub: Cloud-Scale Messaging
166	Adrian Dick	Expanding Your Options with the IBM MQ Appliance
167	Adrian Dick	Highly Available Messaging Using the IBM MQ Appliance
168	Rob Parker	MQ in the Cloud
169	Mark Taylor	High Availability and Disaster Recovery for IBM MQ
171	Mark Taylor	Provide Scalability and Availability with IBM MQ Clustering
173	Rob Parker	How to Transform Your Messaging Environment to a Secure Messaging Environment
178	Matt Roberts	API Connect Introduction and Overview
179	Johan Thole	Exploiting new capabilities provided within API Connect
180	Phil Coxhead	Hands on experience with API Connect
181	Matt Roberts	Understanding the deployment and topology considerations for API Connect
182	Johan Thole	API Connect Real life experiences with customers - best practices and avoiding common errors
183	Matt Roberts	API Connect Migration from API Management
185	Callum Jackson	Understand how to design a secure API Connect solution
186	Johan Thole	Extending API Connect to support MQ messaging
187	Dennis Ashby	Introduction to Node.js within API Connect
189	Callum Jackson	Enabling the business user to build an integration using IBM AppConnect (Lab)
191	Johan Thole	Introduction to IBM DataPower Gateway
194	Ben Thompson	What's New In IBM Integration Bus
195	Phil Coxhead	Real life experiences with customers for IBM Integration Bus - best practices and avoiding common errors
196	John Hosie	IBM Integration Bus in the cloud: private, public & managed
197	John Hosie	IBM Integration Topologies and High Availability
201	Callum Jackson	Recent updates for WSRR and strategies for using WSRR and API Connect as one.
385	Ken Nelson	Getting Started with IBM MobileFirst Foundation and API Connect
397	Rob Parker	Deploying and running MQ in a Cloud
406	Mark Taylor	IBM MQ V9: Introduction to the new capabilities
443	Michael Hamann	Operational Insight into DataPower Gateways using IBM DataPower Operations Dashboard
445	Ben Thompson	Introduction to IBM Application Integration Suite
450	Callum Jackson	Unleash Your Enterprise Systems with IBM Integration Bus and API Connect
451	Sanjay Nagchowdh	Operational and Business Monitoring with IBM Integration Bus
452	Sanjay Nagchowdh	IBM Integration Bus and REST APIs
455	Sanjay Nagchowdh	Integrating IBM Integration Bus with Loopback connectors including Salesforce
456	Ben Thompson	IBM Integration Bus and Messaging
457	John Hosie	Hands on experience of offloading work from on-premise IBM Integration Bus to the cloud
478	Kim Clark	The evolving hybrid integration reference architecture
487	Charlie Martin	Hands-on with the IBM MQ Light API: Cloud, Developer and Enterprise
488	Adrian Dick	Hands on with the IBM MQ Appliance
489	Phil Coxhead	Embrace SaaS Using Extensive Prebuilt Connectivity in IBM App Connect Professional



## MQv9.0.1

- First (in many!) Continuous Delivery Release (CDR) for MQ
- For details, see [http://www.ibm.com/support/knowledgecenter/SSFKSJ\\_9.0.0/com.ibm.mq.pro.doc/q128140\\_.htm](http://www.ibm.com/support/knowledgecenter/SSFKSJ_9.0.0/com.ibm.mq.pro.doc/q128140_.htm)
- Major enhancements
  - IBM MQ Console – a low-footprint GUI to administer MQ
  - MQ administrative REST API
  - MQ Service Provider for z/OS Connect (z/OS only)
  - Updated MQ JMS resource adapter supporting CICS Liberty





## MQ z/OS Tools

- Nouvel outil pour synthetiser les sysouts de MQ (MSTR ou CHIN)
- Options pour filtrer, par exemple heure, codes messages, types, eg. Checkpoints, usage mémoire, etc
- Très simple.... Une classlib Java
- Gratos ! Contactez-moi... je peux vous l'envoie

```
c:\$user\Junk\All\MQzOS> xmqmstrj -1 -f "C:\Junk\SYSOUT.CFS2MQV9.CFS2MSTR.TXT"
Xmqmstrj v1.0 - Developed by Oliver Fisse (IBM)
:
15.46.06 ---- SUNDAY, 03 JUL 2016 ----
15.46.07 CSQY220I +CFS2 CSQSCTL Queue manager storage usage: local storage: used 30MB, free 1608MB:
above bar: used 72MB, free 1GB
15.50.10 CSQY220I +CFS2 CSQSCTL Queue manager storage usage: local storage: used 508MB, free 1130MB:
above bar: used 230MB, free 1GB

c:\$user\Junk\All\MQzOS> xmqmstrj -2 -f "C:\Junk\SYSOUT.CFS2MQV9.CFS2MSTR.TXT"
Xmqmstrj v1.0 - Developed by Oliver Fisse (IBM)
:
15.46.06 ---- SUNDAY, 03 JUL 2016 ----
15.46.07 CSQJ001I +CFS2 CURRENT COPY 1 ACTIVE LOG DATA SET IS DSNAME=WBICFG.CFS
2.LOGCOPY1.DS001, STARTRBA=0000000000000000 ENDRBA=000000000275FFFF
15.46.07 CSQP018I +CFS2 CSQPBACKW CHECKPOINT STARTED FOR ALL BUFFER POOLS | Last Checkpoint 1 s ago
15.46.07 CSQP019I +CFS2 CSQPDWP2 CHECKPOINT COMPLETED FOR BUFFER POOL 2, 2 PAGES WRITTEN | 8.0 kb
written in 0 s
15.46.07 CSQP019I +CFS2 CSQPDWP2 CHECKPOINT COMPLETED FOR BUFFER POOL 0, 5 PAGES WRITTEN | 20.0 kb
written in 0 s
15.46.07 CSQP019I +CFS2 CSQPDWP2 CHECKPOINT COMPLETED FOR BUFFER POOL 1, 4 PAGES WRITTEN | 16.0 kb
written in 0 s
:
```

-1 = Storage

-2 = Checkpoints

# MQ z/OS Tools, cont'd

```

cc:\$user\Junk\All\MQzOS>xmqmstrj -r -f "C:\SYSOUT.CFS2MQV9.CFS2MSTR.TXT"
Xmqmstrj v1.0 - Developed by Oliver FISS (IBM)
:
15.46.06 ---- SUNDAY, 03 JUL 2016 ----

Local Storage (CSQY220I): 1638 mb
      Used Min Mem: 30 mb          Free Min Mem: 1130 mb
      Used Max Mem: 508 mb         Free Max Mem: 1608 mb

Checkpoints (CSQP018I): 2 (avg 0 per hour)
      Min Checkpoint Time: 1 s          Avg Checkpoint Time: 2.12 m
      Max Checkpoint Time: 4.22 m       StdDev Checkpoint Time: 2.1 m

Checkpoints (CSQP019I): 11 pages to DASD, took 0 s
      BP 000  Total Pages: 5          Total Time: 0 s
              Min Pages: 0           Min Time: 0 s
              Max Pages: 5           Max Time: 0 s
              Avg Pages: 2           Avg Time: 0 s
              StdDev Pages: 2        StdDev Time: 0 s
      BP 001  Total Pages: 4          Total Time: 0 s
:

Log Switches (CSQJ002I): 0 (avg 0 per hour)
      Min Log Switch Time: 0 s          Avg Log Switch Time: 0 s
      Max Log Switch Time: 0 s          StdDev Log Switch Time: 0 s

      Total Data Logged: 0 b
      Min Log Write Rate: 0 b/s          Avg Log Write Rate: 0 b/s
      Max Log Write Rate: 0 b/s          StdDev Log Write Rate: 0 b/s

Indexed Queues (CSQI006I): 0
Log Archives (CSQJ311I): 0
Long Run UOW (CSQJ160I): 0
Errors (CSQxxxxE): 0

```

-r = Report