QMF Analytics v11: Not Your ‘Green Screen’ QMF

Central Ohio Db2 Users Group – CODUG
December 5, 2017

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Agenda:

- Brief introduction to The Fillmore Group
- QMF Analytics for z/OS and Multiplatforms
- Lake County, IL QMF infrastructure
  - “It’s never too late!”
- Leverage your existing QMF assets
  - Queries, Forms, Procs from legacy QMF
  - Run with QMF Analytics for z/OS and Multiplatforms
- Live Demo: QMF Vision
The Fillmore Group

- IBM Analytics Software Reseller (LUW and z)
- IBM Analytics Technical Consulting and Staff Augmentation
- Aligned with IBM Global Training Partner Arrow ECS
- Founded in 1987; headquartered in Baltimore, Maryland
Frank Fillmore
- Founder and President of The Fillmore Group
- DB2 Gold Consultant
- IBM Champion for Analytics
- Over 35,000 billable hours supporting DB2!
QMF Analytics for z/OS and Multiplatforms

Bringing the power of QMF on z/OS to the LUW platform

Analytics
- Enterprise BI Solution for z/OS and non-z/OS platforms
- Can leverage existing QMF and DataQuant queries
- Web, workstation, mobile

Data Visualization
- Dashboard creation for any user - simplicity
- Join data from multiple data sources in one query

Data Preparation
- Data from multiple data sources can be easily readied for any application

Data Access and Virtualize
- Access to relational non-z/OS data sources via JDBC
- Excel, Hadoop, and Web Services
- Discover schema and build SQL
QMF’s simplicity transforms any user into a business analyst

Access all data for intuitive reports and dashboards
• No need for data cubes or data transformation
• Straightforward security for data and user access
  • Security and governance is per user and per data source
  • Different data sets can be made accessible for different access and different users
• Ad hoc querying is quick. One query to multiple data sources
• Drill data visually with QMF dashboards or reports

Integrated Solution
• Data Visualizer with QMF Vision interface
• Transform and prepare data with workstation or web interface
• Collaboration capability for instant sharing of analytics across the enterprise
  • Integration with Watson Workspace and IBM Connections
• Powerful reporting and federation
  • Drill downs, KPIs, dashboards, graphical reports, report scheduling
Business Analytics that makes economic sense

Priced for what you use, without regards for user access

• Price is based on data source
  • No user based pricing
  • Deployment can be to a handful of users or millions of users – price not affected
  • Rollout self-service analytics to every user in the enterprise cost-effectively

• Example:
  • Customer is planning to deploy across a 12-node WebSphere cluster serving 10,000 users. QMF will serve reports and dashboards that draw from Db2 and SQL Server on the Windows platform.
  • Price is based solely on the value units associated with the processor cores running Db2 and SQL Server
QMF - Powerful visualizations created through an intuitive interface

• Create visualizations using our simple interface, as easy as creating a Power Point!
• Instantly share dashboards with team members
• Collaborate on issues, outliers and actions
Federation across structured and unstructured data

QMF Analytics for z/OS and Multiplatforms

Hypothetical Hierarchical Database Model
QMF Analytics for Multiplatforms use case: Exploiting analytics across multiple data sources

- Oracle (Employee Sales Data)
- Db2 LUW (Sales and Customer Data)
- External web service data (bea.gov – live feeds of population and income data)
- Imported flat files of external data (National Federation Stats of sports participation rates by geography, etc.)

Analyze data from multiple, disparate distributed data sources to drive sales strategy and execution at a global distributor.
QMF for Workstation vs. QMF for WebSphere Clients

- Enhanced visual design capabilities
- Enhanced drill-down editing capabilities
- Customizable perspectives and views
- Document editing capabilities
- Support for REXX programming language
- Targeted printing capabilities
- Table editing support in the data analysis grid
- Seamless procedure-run EXPORT command

Lake County, IL Courts (old)

- QMF for VM v7.2
- QMF for Windows v7.2
- DB2 Server for VM v7.5

- Dozens of users (including power-users)
- QMF is an integral part of daily processing
Lake County, IL Courts (new)

- QMF for VM v7.2
- QMF for Workstations (DataQuant) v11.1
- DB2 for Linux for System z v11.1

Design Point:
- Functional equivalence – regardless of UI
The “Easter Egg Hunt”

- QMF metadata (Queries, Forms, Procs)
  - Resided in multiple DB2 Server for VM databases
  - Had to be merged into new DB2 for LUW database with different metadata tables

By configuring a data source to access a QMF catalog, you can retrieve any QMF objects that have been saved in an existing QMF catalog. You can also save any QMF objects that you might create to a QMF catalog. This allows you to share and use objects regardless of the application version or platform that was used to create the QMF object.
The Value Proposition

- The Design Point was successfully achieved!
- One hour long online training session
  - Users familiar with QMF for Windows or QMF for VM v7.2
  - Recorded and saved for reference, new users
- Just beginning to exploit new feature/functionality
- Pricing on Integrated Facility for Linux (IFL):
  - 100 Processor Value Units (PVUs)
Resources

- QMF Best Practice: The Painless QMF Migration
  - Install, configure, rollout
  - https://www.youtube.com/watch?v=T_kGRmXw7Jg
- QMF v12.1 documentation
  - https://www.ibm.com/support/knowledgecenter/SS9UMF_12.1.0/home/qmfhome.html
QMF Information:

- **YouTube Channel: IBMQMF**
  [https://www.youtube.com/channel/UCZl1PSrK7IPZLWKjljsa_gQ](https://www.youtube.com/channel/UCZl1PSrK7IPZLWKjljsa_gQ)

- **QMF in the IBM Marketplace**

- **IBM DB2Tools LinkedIn Group (includes QMF)**
  [https://www.linkedin.com/groups/DB2-Tools-z-OS-2821100/about](https://www.linkedin.com/groups/DB2-Tools-z-OS-2821100/about)

- **New QMF Redbook**
  *In-Place Analytics with Live Enterprise Data with IBM DB2 Query Management Facility*
Thank you

Frank Fillmore, President
Kim May, Vice President Business Development

www.thefillmoregroup.com/blog
Demo of QMF Vision