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BUSINESS SYSTEMS

DB2 Web Query for i

A Beginner's "Hands On" Workshop

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- Introduction
- What is DB2 Web Query for i ?
- Product Installation
- Introduction to Metadata
- Reports Workshop
- Output Options
- Other Key Features
- Q & A
- What Next ?





INTRODUCTION

- 30+ years experience of IBM Midrange
- Committed to providing the highest quality IBMi software solutions, training and consultancy services
- Considerable experience of IBMi, from System/3x through AS/400, iSeries to POWER.
- Provides application development, support, modernisation, consultancy, training and documentation services.





WHAT IS DB2 WEB QUERY FOR i ?

The DB2 Web Query product is essentially a ‘subset’ of WebFOCUS, one that runs natively on the IBM i operating system.

First version released around Sept 2007.

DB2 for i analytics support technology is **WORLD CLASS**

- SQL Query Engine, Adaptive Query Processing, Encoded Vector Indexing, DB2 based aggregations, SQL Language Extensions for analytics

Query/400 Replacement ?

- Query/400 is, well, pretty antiquated however it is used by nearly everyone
- Often used just to build an extract to get data into some other visualization tool.

Latest Version (V2.2.1) released in December 2017

New powerful “data discovery” analytics and visualizations make it even easier for analysts to navigate through data to understand what is driving the business.



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INSTALLING DB2 WEB QUERY FOR i ?

EZ-Install Package - A single downloadable image.

How to get it –

Send an email to QU2@us.ibm.com requesting the DB2 Web Query EZ-Install package.

- Include your Name, Company Name and Serial Number (of where you plan to install DB2 Web Query)
- You get an email back with a link where you download a couple of zip files and the instructions you need.

Basically you unzip the file on your PC and then FTP a save file to the IBMi.
Restore the installation library from the save file then run the setup program.

This will restore the licensed program and complete the install for you.
You will need a profile with sufficient authority to do this.



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INTRODUCTION TO METADATA

MetaData or Synonyms

The 'dark art' of data which only the programmer knows.

- Application and Databases are tied together, you usually need an application to get to the data.
- Files are joined to add information
- Code is used to validate the data
- Date fields in different formats.

- Metadata layer simplifies this tangled web of data so the end user can understand . . .
- It provides a single version of the data
- Reduced maintenance – define once, apply everywhere

- DB2 Web Query has tools and wizards to assist in creating metadata.





REPORTING WORKSHOP

Let's get started

In the handout go to page 11

Launch your browser

Go to <http://192.168.2.182:12331/webquery>

Sign on as WQTEAMxx



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OUTPUT OPTIONS

- Excel including pivot tables
- “Active” technologies (good for mobile devices)
- PDF, File, Print, Database
- Auto drill down (OLAP) report
- HTML, HTML5, Flash
- PowerPoint
- User can select at Run Time





OTHER KEY FEATURES

- Scheduling
- Data Adapters
- Data Warehouse
- BI Reporting/Dashboards
- Query/400 Discovery Tool



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SCHEDULING PART 1 OF 2

- Schedule the Report to Run in the Background
 - Two options:

Db2 Web Query Specific Job Scheduler

- GUI Interface
- Standard or customized schedules
 - Can exclude dates (e.g., holidays)
- Email, FTP, or save to repository
- Burst the report based on key field
- Logging and notification functions





SCHEDULING PART 2 OF 2

- Schedule the Report to Run in the Background

– Two options:

CL Command to add to your IBM i job scheduler

- Run job as part of a job stream
 - After end of day processing run reports and distribute
- Can pass parameters from CL program
- Email, FTP, Save to IFS or network driver
- Include report as email attachment or link to file in in IFS or network drive





DATA ADAPTERS

- SQL Server Adapter
 - Extend the reach of DB2 Web Query
 - Support pulling data from multiple SQL Server databases with a single adapter
 - Join data from DB2 and SQL Server and avoid data replication
- Oracle JDE Adapter
 - Supports querying application databases running in IBM i 6.1 and up
 - Provides meaningful data element names, automates date conversion, converts numeric data
 - Preserves data integrity and security during report execution by automatically interfacing to the application's meta data and security layers





DATA WAREHOUSE

- DataMigrator ETL
- ETL (Extract, Transform, and Load) for IBM I
 - Like Db2 Web Query, all server code and ETL objects are stored in IBM I
 - Data sources support is based on Db2 Web Query adapters
- INTEGRATED with Db2 Web Query
 - Use meta data created with Db2 Web Query or vice versa
 - Same look and feel
 - Shared services





BI REPORTING/DASHBOARDS

- Place Your Report onto a dashboard
 - Build KPI (Key Performance Indicator) view of the business for executives
 - Layout multiple KPIs onto single view
 - Some, but often minimal interaction
 - Example: allow end user to select geography of interest and all charts automatically reflect selection





QUERY/400 DISCOVERY TOOL

The Query/400 Discovery Tool is used to find all Query/400 Query Definition (*QRYDFN) objects on your system, retrieve their attributes, and sort them into a series of tables.

The data in these tables can then be analysed to find trends in your reporting environment.

Sample reports supplied with the tool





Q & A



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WHAT NEXT ?



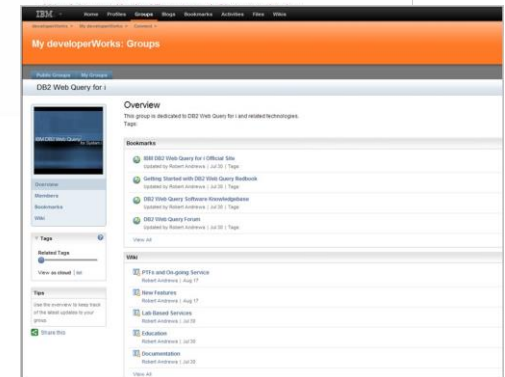
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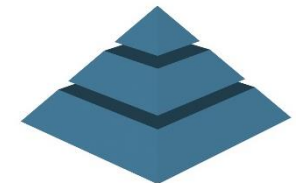


ADDITIONAL RESOURCES

- Redbourn Business Systems
www.Redbourn.co.uk
- DB2 Web Query for i Website
Ibm.biz/db2webqueryi
- DB2 Web Query for i Wiki
Ibm.co/db2wqwiki
- Demonstrations:
Wizard Analytics:
<https://ibm.biz/DB2WQWizards>
End User Demos:
<https://ibm.biz/db2wqreportingdemos>



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Follow DB2 Web Query guy Doug Mack on twitter at
@mckdrmoly

or check out his blog at

<http://db2webqueryi.blogspot.com/>

for all the latest info

- Email the DB2 Web Query Support team at :
QU2@us.ibm.com

