NGS-IQ

Release 7.2 Enhancements

INFORMATION WHERE IT COUNTS

IQ Server™

Excel .XLSX Output

Queries may be output in Excel .XLSX format and assigned a sheet name and folder in the IBM i Integrated File System (IFS). When output as .XLSX, the query can translate report break summaries into Excel formulas; protect leading zeros in numeric values like account numbers, inventory codes, and postal codes; and format the detail rows as an Excel table. Excel tables enable users to sort and filter the data and are easy to transfer to Microsoft Power BI.

Extended Record Selection

You may revise the data in a table at any time and reference the same table in multiple queries. When executed, queries that reference a table will select records based on the table's current contents. You may also write a query so it will prompt users at run-time for the name of the table.

Environment Variables

Query record selections, new fields, sorts, and other instructions may reference values stored as environment variables (EVars). With EVars, you can store values that are not in a database table and pass them to a query. The EVar feature is particularly helpful when you want to pass values (e.g., dates) to a query you've specified as the query to run next.

EVars can be created and updated from a simple or conditional new field calculation in a query, through the WRKIQEVAR command in the IBM i 5250 interface, and from *IQ Client™*. A query can process an EVar before the query, as the query reads each record, or after processing the query. You may store an EVar in any IBM i library, including QTEMP.

Email Address Validation

Queries that deliver output via email run through an email address syntax validity checking program (the CHKEMADDR command) at run time. If the program finds an address with an invalid syntax, it continues processing, delivers the query output to the valid email addresses, and adds a message to the query's job log about the syntax errors found. You may also use this command to test an email address for structural validity.

Email Distribution Lists

Queries may use multiple email distribution lists. You have two new files in the QIQE library to store specific email addresses you want to include (even when they do not pass the syntax checking process) or exclude from all queries and distribution lists. The exclude list is helpful when you are unsure which queries or distribution lists include a specific email address you no longer want to use.

New Field *LIB Resolution

A new field calculation formula may include *LIB if you want to include the current query's library name in the resulting value.

New Field *NOW Setting

A numeric new field calculation formula may include the system variable *NOW.

FTP Logging and Security

Query job logs include FTP logging. You may use Field Substitution to set your To File and Remote System values. Passwords may be 50 characters maximum, and you can enter port, secure connection, and data protection settings to better secure file transfers.

.CSV Delimiter and Escape Character Handling

Assign your own character and numeric delimiters and escape characters to a query's .CSV output file to overcome challenges associated with parsing values containing characters like commas and apostrophes.

Query Definition Template (QDT) Search

With the SRCHQDT command, you can query the contents of QDTs for specific values. Search for one value or use Boolean logic to apply rules (50 maximum) to your search. Search results may be output to a spooled file.

Audit Library Search

The SRCHIQAUD command enables you to query the IQ audit library or the IBM i (*JOB) to locate, review, and email spool files and job logs.

Send Spool File Command

The enhanced SNDSPLF command helps users quickly search for and email spool files.

Display File Field Descriptions

The DSPIQFFD command displays the file field descriptions of a query's selected files.

WebRunner Excel .XLSX Output

WebRunner users can output queries in Excel .XLSX format and specify if they want the software to translate report break summaries into Excel formulas; preserve leading zeros in numeric strings like account numbers, inventory codes, and postal codes; and format detail rows in an Excel table. Depending on your Web browser and settings, Excel .XLSX files generated from WebRunner may open immediately or be placed in your download folder.

WebRunner Query Definition Template (QDT) Output

WebRunner users can generate a QDT that documents a query's selected tables, fields, record selections, sorts, summaries, and output instructions. A QDT can help you better understand the query output and serve as a guide for new query development.

WebRunner Security

WebRunner disables the "continue" button while a query is running.

Qport® Access

Create or Replace Excel .XLSX Files

When output as .XLSX, the query can translate report break summaries into Excel formulas; force Excel to protect leading zeros in numeric values like account numbers, inventory codes, and postal codes; and format detail rows as an Excel table to immediately support sorting, filtering and easier transfer to Microsoft Power BI.

Eliminate Trailing Blanks in Excel Cells

When a query is output in Excel .XLSX format, trailing blanks are removed automatically from cell values. *Qport Access* users who output queries in Excel .XLS format can select to eliminate trailing blanks.

Create, Replace, or Append to .TXT and .CSV Files

Users can output a query as a .TXT or .CSV file and specify the path where they want the file stored.

Create and Append Query Output to Microsoft Access .ACCDB Files

Users can output a query as a Microsoft .ACCDB database and specify the path where they want the table stored.

Create or Replace Adobe .PDF Files

Users can output a query as an Adobe .PDF file and specify the path where they want the file stored.

Transfer Microsoft Access .ACCDB Tables to IBM Db2 on i

Data stored in Microsoft Access .ACCDB tables can be uploaded to create, replace, or append to an IBM Db2 on i table. Users can select the rows and columns they want to upload, specify the desired Db2 on i column attributes as part of the transfer request, and preview the selected data before completing the transfer.