

Empower All Your Users

IQ Server[™] is an IBM i-based (AS/400), advanced-function query, reporting, and BI solution that serves as the foundation of the *NGS-IQ*[™] product line.

A Company-Wide Hub for Reporting and Business Intelligence

IQ Server works directly with your DB2 data on the IBM i and can also reach out to MySQL, SQL Server, Oracle, PostgreSQL, and DB2 on other platforms, so you can use it as the hub for all your reporting and BI needs.

One Step Reporting and Analysis

IQ Server offers hundreds of features, but for many customers, the single, most valuable advantage of *IQ Server* over IBM Query/400 and nearly all competing BI software is *IQ Server*'s ability to produce professional reports, Web pages, presentations, and analytical models in one step, using only one query to obtain the results users need.

One-step report writing means increased productivity and better system performance because your users get accurate information quickly without wasting system resources running multiple queries. *IQ Server* enables you to do this through its superior functionality and seamless integration with your data and the IBM i.

Query/400 Migration Assistance

Many customers discover *NGS-IQ* after using IBM Query/400 for many years. To ease migration, NGS offers *IQ Server* users

a Query/400 API they can use to run and enhance Query/400 queries in *IQ Server* without rewriting or converting them. This Query/400 API enables you to immediately leverage your company's past development efforts and the database knowledge embedded in your existing queries.

Advanced Features

"Web Runner" Interface: *IQ Server* lets authorized users run queries over the Web from their PC, PDA, or "SmartPhone" without requiring you to write HTML, Java, or PHP code and without licensing a software developer kit. These queries can include hyperlinks that support live drill down from any summary value to related detail.

Conditional Calculations: *IQ Server* enables you to create new fields where calculations are based on the value of the data retrieved. You can place up to 32 conditional calculations on a simple new field! You also can do the following:

- Replace codes with meaningful descriptions
- Create flags to draw attention to critical values in your report
- Calculate percentages, exponents, square roots, and remainders
- Convert fields from lower-case letters to capital letters
- Define summary functions such as sum, minimum, maximum, average, and standard deviation
- Substring and concatenate fields

Online Formatting: IQ Server delivers unlimited formatting capability and lets you see how your report looks online at every step. You can do the following:

- Place literal text on detail and summary lines
- Change line spacing
- Move column headings
- Rearrange report fields from a single panel
- Design reports so your page numbers restart at any or all report break levels
- Format your output for use with preprinted forms or multi-up labels

Run-Time Prompting: IQ Server lets you build queries that prompt for record selection/exclusion criteria and new field calculation formulas at run time. You can even write help text instructions for these prompts, so your users can answer them correctly. If you like, you can go beyond the standard IQ Server prompt by using the sample CL programs that come with IQ Server to create your own custom prompt panel. Run-time prompts defined in IQ Server automatically appear with your help text instructions whether your users run their queries from IQ Server, Qport Builder™, or Qport Access™.

Record Selection and Exclusion: IQ Server provides comprehensive record selection and exclusion logic including the not-in-the-range function to assist in exception reporting. You can use AND/OR logic to define relationships between multiple selection criteria or use parentheses to define your selections in one statement. You can even perform calculations within a record selection statement to base a selection on the result of a derived value.

Analytical Summary “Matrix” Reporting: IQ Server allows you to create up to ten tables within a query, delivering quick, detailed analysis of patterns, trends, and exceptions! Within an IQ Server table, you can instruct the product to calculate sums and cumulative sums, averages, rankings by sum and average, and special record counts. IQ Server will sort the table results from high to low, from low to high, by sum, or by average.

Adobe® Acrobat File Generation: IQ Server lets you create formatted reports as Adobe Acrobat files with bookmarks assigned to pages or the break fields in your output.

Web Report Publishing: IQ Server lets you generate your reports as HTML files for viewing with a Web browser. You can assign hypertext links inside your report to support drill downs and reference cascading style sheets, banners, backgrounds, and images to create professional, presentation-quality Web reports. You can generate static HTML reports that present historical information or live HTML reports that support real-time database access.

XML File Generation: IQ Server can transform your output into XML files which can be distributed with or without HTML tables and style sheets for easier viewing. When combined with IQ Server’s e-mail and FTP functions, you may use this to share data with business partners who require XML as a data exchange format.

Simplified File Joins: IQ Server takes the guesswork out of joining DB2 files when building queries by remembering how your designated expert users join files. Then, as

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others build new queries over those same files, *IQ Server* suggests they join the files that same way. *IQ Server* also lets you pre-define join relationships spanning up to 32 DB2 files, so your end users can get to the data they need and design efficient queries over multiple files without having to understand the underlying join logic or actual DB2 file names.

Database Field Aliases: *IQ Server's* alias feature lets you optionally create longer, meaningful names for database fields that otherwise might be incomprehensible to your end users. But unlike many tools that require you to build a comprehensive data dictionary before you begin using the software, the *IQ Server* alias feature is completely optional and can be employed on a field-by-field basis. One user may continue to display the DB2 field names while another displays the alias names. It's completely flexible and unrestrictive.

Previous Record/Skip Record: *IQ Server's* previous record and skip record functions allow you to eliminate the problems associated with "one-to-many" relationships between joined files. By using these functions, you can have a field's current value compared to its value in the previous record and automatically skip one record, a range of records, or all remaining records in the series where the field's value is the same. You may also use this feature to produce "top n" reports, showing your biggest orders, fastest selling items, and more.

Program Exits: To help you handle your most complex database analysis requirements, *IQ Server* allows you to call and execute your own programs immediately before, during, and after query execution. You can use these exit points to perform unique data

manipulation routines, retrieve data stored on other systems, and other tasks. The data provided by your program is then available for integration into the resulting *IQ Server* output.

Report and Data Distribution: *IQ Server* allows you to assign distribution lists to your reports, so they reach multiple desks automatically after execution. You also can take advantage of *IQ Server's* e-mail and FTP functions.

File Unions: You can create a union of files or file members to consolidate your data for reporting purposes.

New Fields/Sorts: *IQ Server* provides expanded support for new fields, allowing you to define up to 99 new fields in a single query. Sorting capabilities allow up to 32 sort fields in a single query. You can define up to 32 groups by fields in a single query.

SQL Command Interface: In addition to its menu-driven user interface, *IQ Server* provides a Structured Query Language (SQL) command entry panel for quick inquiries.

Report Management: *IQ Server* allows you to link up to 99 queries for sequential processing.

DB2 for i File Member and IDDU Support: *IQ Server* can work with legacy multi-member DB2 files and flat files described via IDDU.

Database Reporting Without Limits

IQ Server raises productivity due to its short learning curve, strong documentation, and online help. It can dramatically cut your reporting backlog and satisfy the full range of technical and non-technical users.

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