






TRUE DATA EMPOWERMENT



SEQUEL: The Best Data Solution Anywhere

SEQUEL is the leading data access solution for Power Systems™ running IBM i (AS/400®). Around the world, thousands of users across all industries and companies—from large international corporations to small organizations—rely on SEQUEL to deliver business intelligence quickly and easily.

- | | |
|--|---|
|  Executive Dashboards |  Charting |
|  Drill-Down Analysis |  Pivot Tables |
|  Queries & Reports |  Web Browser Interface |
|  Remote Database Access |  Multiple Distribution Options |

True Data Empowerment at a Glance

A Quick ROI

Some business intelligence solutions cost hundreds of thousands of dollars and take months to implement. SEQUEL is a cost-effective alternative that lets you perform data analysis within minutes of installation. With SEQUEL you don't need a meta-data layer, so:

- There's no need to set up a multidimensional database to find information.
- You don't need a catalog, data cube, or data warehouse to access your data.
- If your requirements change, it's easy to modify your SEQUEL queries.

Queries and Views

A SEQUEL view (query) contains all you need to access your data. Use predefined views, complete with run-time prompts, or create ad hoc requests to select the information you need from the database. And, you can easily convert your AS/400 queries to SEQUEL views that can take advantage of SQE, a faster query engine.

End users, including executives and upper management, can display, download, or email SEQUEL results with the click of a mouse.

Use the optional SEQUEL security to enhance security at the library, file, and field level.

Easy-To-Use Graphical Dashboards

SEQUEL dashboards summarize important business metrics in a graphical format on your PC, laptop, or mobile device. Display SEQUEL views, graphs, gauges, web pages, images, and Windows applications—whatever helps you to best use your data.

Three Great Interfaces

With SEQUEL, both technical users and end users have their choice of views. Choose between green screen, PC, and web-based interfaces:

- **SEQUEL:** For those who prefer the IBM i green screen.
- **SEQUEL ViewPoint:** A graphical, point-and-click, PC software environment.
- **SEQUEL Web Interface (SWI):** Web-based interaction—even from tablets.

Powerful Data Analysis

SEQUEL lets you decide how to access and analyze your data. Use dynamic drill-down to investigate on the fly. Pivot and drill via client tables—even work disconnected from the i. Add on-demand interactive views with runtime prompting and powerful reports. Users at all levels of your organization will love using SEQUEL to solve their business problems.

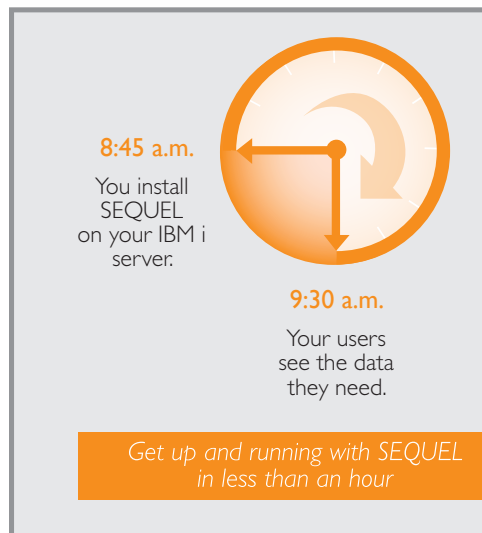
Database Access—Across Your Enterprise

SEQUEL offers real-time business intelligence for both local and remote databases across your enterprise, including DB2, Microsoft SQL Server,[®] ORACLE,[®] MySQL,[®] and more. It's a single point of access to your enterprise data. With SEQUEL, your IBM i server becomes an enterprise-wide data server.

Fast, Easy Setup and You're Ready to Go

8:45 a.m.

1. Install SEQUEL on your IBM i server.
2. Install ViewPoint[®] on your PC.
3. Import your existing queries into SEQUEL and save them as views.
4. Create a dashboard using your new views.
5. Run your views to create reports, save the results to an Excel, PDF, HTML, or text file, and email them.



9:30 a.m.

Show your financial department their new dashboards and reports.

“SEQUEL made accessing the data between our different database servers much easier by allowing us to connect directly from a SEQUEL program to our MySQL server. Now, we can query vastly different data stored in completely different databases and merge them easily with just a few mouse clicks. Thanks!”

—Christopher Seager, Security Mutual Life Insurance of NY



Dashboards Deliver Data

Managers, executives, and other end users rely on SEQUEL to deliver the top metrics they need to monitor business activities effectively. SEQUEL dashboards provide a visual display of the information needed for effective business decisions. Everyone—from executives to technical end users—can use dashboards to work with important business data.

The screenshot displays the SEQUEL software interface for an 'Operation Sales Financial Dashboard'. It is divided into three main sections: Operations, Sales Analysis, and Financials.

- Operations:** Contains two tables. The first table, 'Shipping Analysis', shows metrics like Sales Region, Days to Order, Days to Ship, and quantities of ORDERED and SHIPPED items. The second table, 'Aging of A/R by Any Dimension(s)', shows metrics like Sales Region, Days Old, and Total A/R.
- Sales Analysis:** Features a 'Sales Analysis Period to Date Sales, Cost, Margin' table with columns for Sales Year, Sales Total, Total Cost, and Total Margin. Below this is a bar chart titled 'Margin Percent by Sales Year' comparing 2010, 2011, and 2012.
- Financials:** Includes a 'Liquidity Analysis Ratios' table with columns for ENTITY, Current Ratio, Quick Ratio, and Working Cap Ratio. Below this is a 'Financial Dashboard' sidebar with buttons for 'Sales - SQL Server', 'General Ledger - Oracle', and 'Automation Ops Dashboard'.

At the bottom, a line chart titled 'Comparison by Sales Year - Month' tracks SALES, COST, and MARGIN from 2011-3 to 2012-9. An orange callout box over the chart reads: "Tailor dashboard views to fit your role".

Display Your Data Your Way

Your SEQUEL dashboard can contain any combination of the following objects to help you display, analyze, and manage your data:

- Views, graphs, and table results, with drill-down capability
- Gauges that monitor critical indicators
- Action buttons that start other applications, display different views, or email reports
- Web browser windows
- Windows applications
- Graphics, including background images and colors
- Text with custom fonts, colors, and style
- Auto-refresh data
- Integrated Robot and PowerTech data

The screenshot shows the 'Automated Operations Dashboard' with several data visualization components:

- Robot/SCHEDULE Dashboard:** A bar chart titled 'Number of Jobs by Sched Code Override' showing counts for different sched codes.
- Robot/CONSOLE Dashboard:** A table titled 'Jobs Code Override Day and Time' with columns for Code, Day, Time, and Number of Jobs.
- Robot/SAVE Dashboard:** A bar chart titled 'Number of Messages by Message Severity' showing counts for different severity levels.
- Robot/REPORTS Dashboard:** A table titled 'Message Severity' with columns for Severity and Number of Messages.
- Robot/ALERT Dashboard:** A table titled 'Comparison by Backup Class' showing counts for different backup classes.
- Multi-Product Dashboard:** A table titled 'Table Columns - Values to Enter' with columns for Product, Daily, and other metrics.

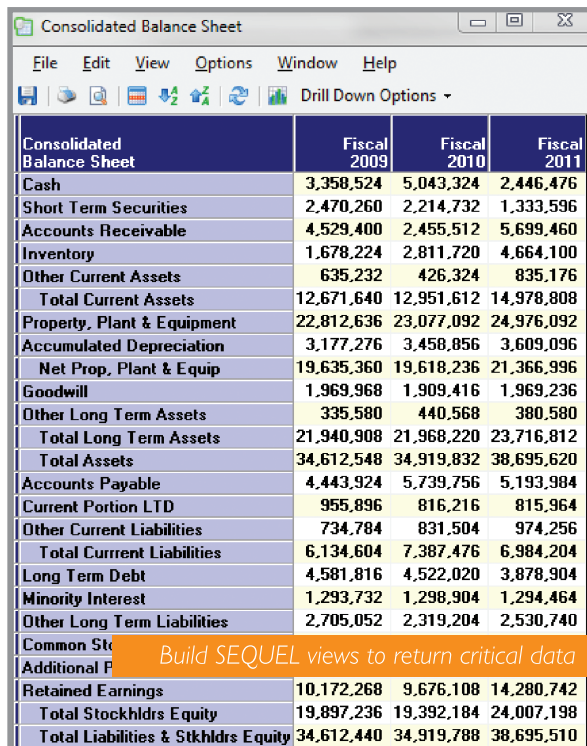
An orange callout box at the bottom reads: "Customize dashboard graphics, fonts, and colors".

Critical Information at Your Fingertips

SEQUEL can transform business intelligence in ways you never imagined. It's easy to create queries to access important information, and it's simple to design views and reports.

The View from the Top

A SEQUEL view is the starting point for creating solutions that seem impossible with other query products. Your views gather data, perform operations, and allow you to drill down for further insight. You can also output data and build additional SEQUEL objects to further enhance the information.



Consolidated Balance Sheet	Fiscal 2009	Fiscal 2010	Fiscal 2011
Cash	3,350,524	5,043,324	2,446,476
Short Term Securities	2,470,260	2,214,732	1,333,596
Accounts Receivable	4,529,400	2,455,512	5,699,460
Inventory	1,678,224	2,811,720	4,664,100
Other Current Assets	635,232	426,324	835,176
Total Current Assets	12,671,640	12,951,612	14,978,808
Property, Plant & Equipment	22,812,636	23,077,092	24,976,092
Accumulated Depreciation	3,177,276	3,458,856	3,609,096
Net Prop. Plant & Equip	19,635,360	19,618,236	21,366,996
Goodwill	1,969,968	1,909,416	1,969,236
Other Long Term Assets	335,580	440,568	380,580
Total Long Term Assets	21,940,908	21,968,220	23,716,812
Total Assets	34,612,548	34,919,832	38,695,620
Accounts Payable	4,443,924	5,739,756	5,193,984
Current Portion LTD	955,896	816,216	815,964
Other Current Liabilities	734,784	831,504	974,256
Total Current Liabilities	6,134,604	7,387,476	6,984,204
Long Term Debt	4,581,816	4,522,020	3,878,904
Minority Interest	1,293,732	1,298,904	1,294,464
Other Long Term Liabilities	2,705,052	2,319,204	2,530,740
Common Stock			
Additional Paid-in Capital			
Retained Earnings	10,172,268	9,676,108	14,280,742
Total Stockholders Equity	19,897,236	19,392,184	24,007,198
Total Liabilities & Stockholders Equity	34,612,440	34,919,788	38,695,510

SEQUEL's intuitive user interfaces—including templates, design wizards, and help text—have something for everyone:

- **SQL Tab:** Technical users can create queries using SQL syntax.
- **File and Fields Tab:** Business users can create views using point-and-click.
- **Templates:** Non-technical users can access predefined views and easily create and share reports.

"We recently deployed the SEQUEL Web Interface to our five facilities and the IT folks LOVE it because it reduces workstation overhead. And, it made our job easier because it reduces training time, it's more user-friendly, and users get the same results."



—Betsy Wiegel, Rural Wisconsin Health Cooperative

Tables: Handle the Big Data Challenges

Tables (or tabling views) can summarize data for regions, time periods, or whatever you need. A SEQUEL table lets you reorganize your data using a multi-dimensional spreadsheet. You can also export data and provide a snapshot of current numbers and future trends.

Use the SEQUEL Table Wizard to generate a relational **pivot table** from a view:

- Dialogs guide you through the table design process.
- You can drag fields to rows or columns.
- It's easy to add new fields.

Product Line	Product Category	Americas Amount Sales	Americas Unit Sales	Asia Pacific Amount Sales	Asia Pacific Unit Sales	Europe Amount Sales	Europe Unit Sales	Total Amount Sales	Total Unit Sales
Books	Ancient	1,505,882.48	48,154	374,401.54	17,529	620,231.90	26,873	2,500,515.92	92,556
	Animals	173,955.06	20,631	112,790.74	15,708	145,790.43	20,534	432,536.23	56,873
	Architecture	2,734,113.58	72,298	526,106.24	20,408	792,624.22	26,190	4,052,844.04	118,896
	Artists	2,522,222.40	58,425	750,358.68	24,012	1,140,644.89	34,368	4,413,225.97	116,805
	Asian	743,996.22	28,609	272,998.04	20,353	495,361.71	21,523	1,512,355.97	70,485
	Biographies	1,138,898.30	44,643	483,243.03	21,882	574,012.93	26,781	2,196,154.26	93,306
	Certification	4,673,738.08	81,838	1,882,638.05	47,160	1,170,386.92	29,467	7,726,763.05	158,465
	Childrens	801,485.24	30,076	235,197.33	11,643	266,646.43	17,235	1,303,329.00	58,954
	Classics	355,082.63	23,237	268,308.98	21,689	259,454.04	20,431	882,845.65	65,357
	Crafts	265,326.15	26,680	244,435.71	29,394	150,412.47	17,180	660,174.33	73,254
	Data Warehousing	2,914,094.21	63,862	848,234.78	25,075	961,069.05	27,499	4,723,398.04	116,436
	Diet	406,107.76	34,099	347,573.93	34,506	299,197.65	29,054	1,052,879.34	97,659
	Drama	372,404.52	21,110	162,629.90	10,469	336,122.31	21,809	871,156.73	53,388
	Educators	1,504,246.39	45,752	584,172.73	24,752	1,070,047.45	40,043	3,158,466.57	110,547

Client tables are designed for dynamic pivoting for drill-down, reporting, and analysis. You can drag-and-drop rows and columns, filter, highlight, summarize, and arrange data to create custom layouts. You can even export the table to a PC to work with the data wherever you are.

		Americas		Asia Pacific		Europe		Total	
Product Line	Product Category	Amount Sales	Unit Sales	Amount Sales	Unit Sales	Amount Sales	Unit Sales	Amount Sales	Unit Sales
Books	Ancient	1,505,882.48	48,154	374,401.54	17,529	620,231.90	26,873	2,500,515.92	92,556
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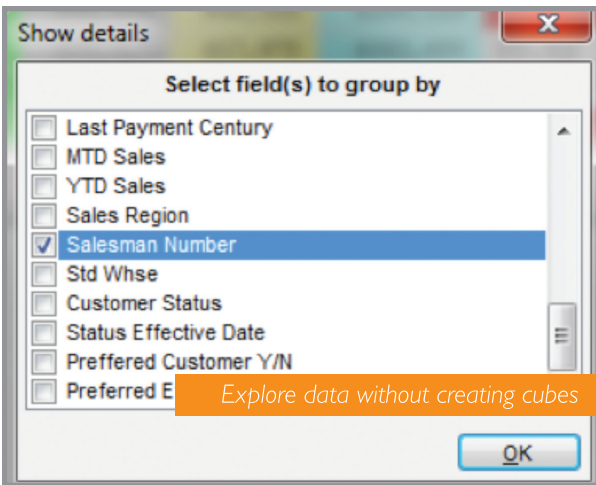
Choose Your Path with Dynamic Drill-Down

Dynamic drill-down means you have the power to determine the drill path to fit your needs.

For example, start with your company summary and drill down to explore a sales region. Next, drill into detailed sales information by sales rep. Then, drill into more details by specifying a date range. You can drill down to the lowest level of detail available in the file in your view.

SEQUEL's dynamic drill-down capability lets you quickly analyze database information with a single summarized view—no predefined drill paths or definitions are required.

Sales Region	0-30 Days Old	31-60 Days Old	61-90 Days Old	>90 Days Old	Total A/R	Weighted Average Age-Days
10	\$156,665	\$73,021	\$28,764	\$11,291	\$328,825	25.52
20	\$86,476	\$72,265	\$46,494	\$49,085	\$285,129	46.54
30			\$29,317	\$17,975	\$343,455	30.02
40			\$30,805	\$20,285	\$413,560	26.68
50			\$23,065			



You don't have to set up a "cube" to use SEQUEL's powerful drill-down operations, and SEQUEL can drill down into transaction databases containing millions of records.

"SEQUEL has helped me tremendously over the past 10 years! I can quickly and accurately report critical and correct information to my executive team, department heads, and other decision-makers in a much more timely manner than ever before! And, when there have been issues, or when I'm a little 'stuck', live online chat with a technical help specialist is the perfect option. SEQUEL ROCKS!"

—Jeremy Axe, Outdoor Cap Company



Dig for Details with Targeted Drill-Down

Targeted drill-down is a simple way to access data at any level for specific recurring situations.

SEQUEL's Application Builder lets you create drill-down applications with predefined paths and results. Wizards help you as you define drill-down options to show data at different levels. The Application Builder automatically generates drill-down options based on the data used in related views.

The screenshot shows a SEQUEL application interface. The main window is titled "Region Summary" and displays a table with columns: Sales Region, Amount Due, Open Orders, High Balance, and Payments. The table contains data for various sales regions, including 30, 50, 20, 10, and 40. A "Drill Down Options" menu is open, showing options like "Regroup...", "Show Details...", and "Drill To". The "Drill To" option is selected, and a "Customer Summary" window is displayed below it, showing a table with columns: Customer Number, Order Number, Number of lines, Retail Value, and Invoice. An orange callout box with the text "Create predefined drill paths and work faster" is overlaid on the Customer Summary window.

Sales Region	Amount Due	Open Orders	High Balance	Payments
30	62,426.63	115,185.46	359,269	256,099.68
50	19,8	Regroup...	1	52,646.60
20	60.5	Show Details...	3	193,284.30
10	73.1			
40	112,024.81	103,330		

Customer Number	Order Number	Number of lines	Retail Value	Invoice
200900	371323	1	37500.00	495097

You can define options to link SEQUEL objects to Windows or web-based applications using relationships from your data. Your drill paths can navigate up, down, or sideways to analyze the information you need. Here a few examples:

- Summarize and send data to an Excel spreadsheet
- Email results to a customer listed in the data
- Pass a client address to a browser-based map
- Display the weather for a customer location

Custom Reports

Generate a report automatically from SEQUEL's default report formats, or create one using the SEQUEL Report Writer Design Wizard. Simply drag and drop fields to the report layout and add calculations to create reports to fit your specifications.

Design Reports Your Way

Use the SEQUEL Report Writer to create sophisticated reports quickly. It includes:

- Multiple subtotal levels
- Conditional (IF-THEN-ELSE) detail calculations
- Subtotal and grand total lines
- Multi-line formatting at any level
- Report line skipping and spacing control
- Predefined formats
- Run-time prompting

Name	Customer Number	Order Number	Line Number	Product Number	Actual Price	Quantity Ordered	Sales Amount
Lin-Equipments Co.	102100	110021	1	DECAD	\$1,109	50	\$55.00
			2	FLAG	\$4,000	30	\$120.00
			3	COVER	\$10,000	10	\$100.00
**** ORDER TOTAL ****							\$276.00
145091 1 BMX							\$110,599
							30
							\$3,318.00
**** ORDER TOTAL ****							\$16,808.00
**** CUSTOMER TOTAL ****							\$17,084.00

Graphical Formatting for Professional Reports

The optional SEQUEL Client Report Option lets you design beautiful, modern reports:

- Create beautifully formatted, professional reports.
- Specify fonts, colors, graphics, conditional highlighting, and more.
- Use IBM i and SEQUEL security to restrict access.

Line	Product Number	Product Description	Quantity Ordered	List Price	Amount	Unit Weight
1	BMX	BMX Model 1833-FIO	30	110.600	3317.97	25.250
2	BMX100	BMX Formula 3 Power	30	85.000	2520.00	27.000
3	BMX101	BMX Formula 3 Delux	30	99.000	2970.00	30.000
4	BMX400	BMX Tandem Cycle	15	200.000	3000.00	45.000
5	BMX800	BMX Silver Plated E	5	1000.000	5000.00	37.000

** TOTALS **		
Discount	Order Total	Tot. Wgt.
1,744.99	16,807.97	6,111



"I love SEQUEL ViewPoint because I can throw together an amazingly complicated query in minutes. It makes me look like a genius!"

—Deb Hegel, Ferguson-Florissant School District

Browse Away

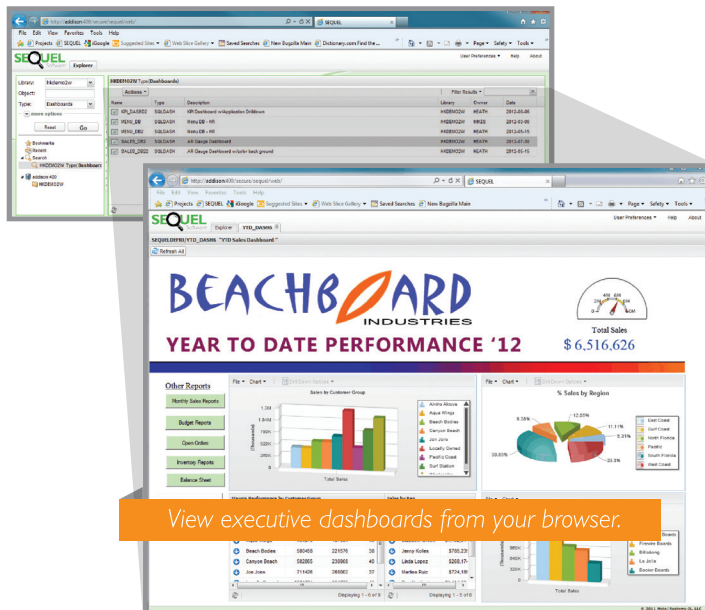
SEQUEL Web Interface means fast, secure web access to your database information with zero footprint. You can use it to deploy SEQUEL objects from your browser. Display, email, and download views, tables, and reports—and even launch dashboards—from the interface.




Easily incorporate SEQUEL with your custom development by calling SEQUEL Web Interface from your portal or web page.

Use SEQUEL Dashboards from Your Browser

SEQUEL dashboards let you group the inquiries and reports that you use frequently and display them using your web browser. You create dashboards using SEQUEL, save them to the IBM i server, and display them using SEQUEL Web Interface.




SEQUEL: Your IBM i Data Access Problems, Solved


Sales Problem: Your sales team members were not getting the information they needed to present to their customers on sales calls. 

Solution: They used SEQUEL to develop relevant views and dashboards. They discovered that SEQUEL is easy to learn and operate for users at any level.

Report Problem: Your IT department was overwhelmed with user requests. Users were frustrated because they couldn't get the information they needed to make good decisions.

Solution: With SEQUEL Report Writer, users were able to create ad hoc reports on their own, without programming. SEQUEL made everyone's life easier. 

Conversion Problem: Your company was still using OS/400 query and a green screen, which meant staffers had to manually convert data to spreadsheets, PDFs, and email for customers and management.

 **Solution:** They loaded SEQUEL, which allowed them to convert their queries to views, download them to Excel or PDF, and email them automatically. The solution was easy to adopt, even for end users.




Data Access Problem:

Your company needed to provide access to live data, from anywhere and at any time, to both business staff and management.

Solution: SEQUEL helped each user to design customized dashboards. Now they can view their dashboards from Web browsers, or easily move data into spreadsheets for analysis.

Portability Problem: Your company thought users should be able to access data from anywhere, without having to load and update software on their PC or laptop.

Solution: They added the SEQUEL Web Interface. Users love it because they can access data anywhere from a web browser. IT people love it because it ends the work of deploying PC software and cuts down on training time. 

"SEQUEL transformed our reporting applications with its ability to easily create and send data via spreadsheets. We no longer rely on print files and masking reports—we dynamically create tables and send them through SEQUEL. SEQUEL has really reduced our development time and increased our user's level of satisfaction."

—Sam Hansen, Hoffmaster Group, Inc.











When You Need to Know, Ask SEQUEL.

Affordable Business Intelligence

SEQUEL is the leading data access solution for Power Systems™ running IBM i (AS/400®). SEQUEL delivers affordable business intelligence through powerful query, customizable dashboards, advanced reporting tools, and a variety of distribution and sharing features. Take control of your data without the painful costs normally associated with business intelligence suites.

Quality is Our Legacy

Help/Systems is the world's leader in software solutions for IBM® Power Systems™ running IBM i. Its popular Robot/SCHEDULE and Robot/SCHEDULE Enterprise automated job scheduling solutions lead their class in performance and reliability. The Robot systems management product line includes innovative tools for network monitoring, message management, reporting, and more. Help/Systems has been pairing unparalleled software solutions for IBM i with unbeatable support since 1982.

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