

Modernizing IBM i Reporting and Analytics with **NGS-IQ**





Welcome

NGS-IQ from New Generation Software, Inc. (NGS) is an IBM i software application that simplifies, modernizes, and automates operational reporting and analytics. It has been successfully deployed in companies of all sizes across every industry.

We welcome your comments and hope you'll see something today that makes you want to learn more about NGS-IQ.

Thank you for attending our session.

(800) 824-1220 www.ngsi.com

Speaker



William T. Langston
Director of Marketing
New Generation Software, Inc.

You have this...

```

Define the Query

Query : Q400A1      Option : CHANGE
Library : LANGSTON  CCSID : 65535

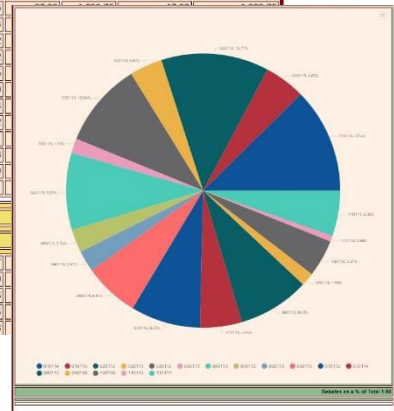
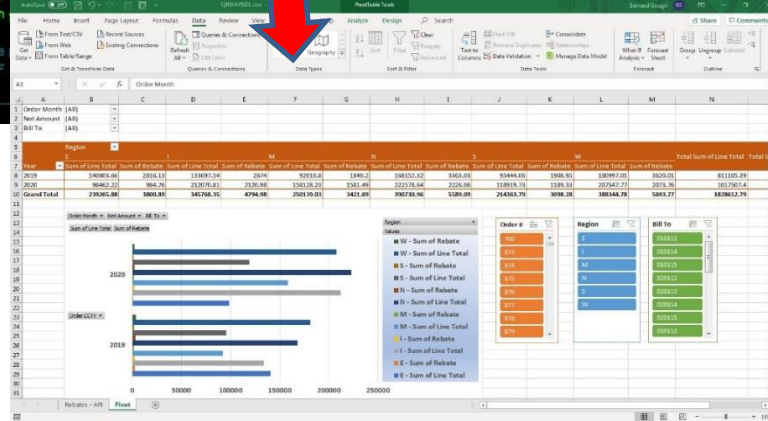
Type options, press Enter. Press F21 to select all.
1=Select

Opt  Query Definition Option
  > Specify file selections
  > Define result fields
  > Select and sequence fields
  > Select records
  > Select sort fields
  > Select collating sequence
  > Specify report column formatting
  > Select report summary functions
  > Define report breaks
  > Select output type and output form
  > Specify processing
  
```

You want this...

Rebate Report
Date: 8/24/20
Time: 10:10:38

Bill To	Region	Order #	Line #	Item #	Order Date	Size	Color	Quantity	Unit Price	Line Total	Rebate	Net Amount
010114	N	1,073	1	L7101	01/03/2020	4	WHITE	6	50.99	305.54	3.06	302.88
010114	N	1,073	2	L7101	01/03/2020	5	WHITE	6	50.99	305.54	3.06	302.88
010114	N	1,073	5	L7101	01/03/2020	5	WHITE	5	67.99	339.95	3.40	336.55



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Drag-drop, point-click development

Web and mobile reporting

Ad hoc query

Windows and Excel integration

Production report writing

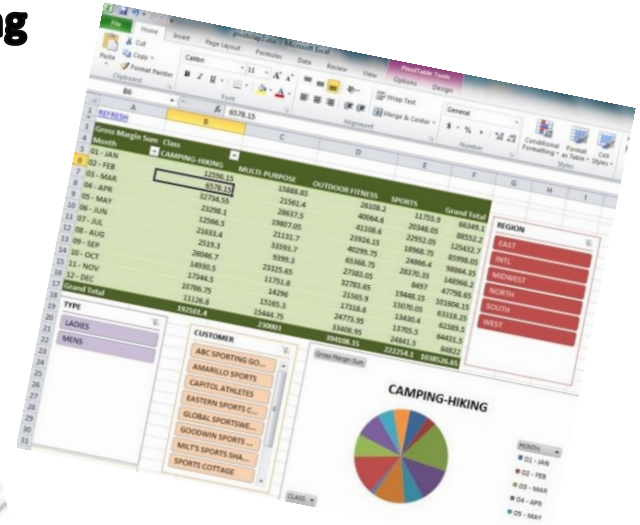
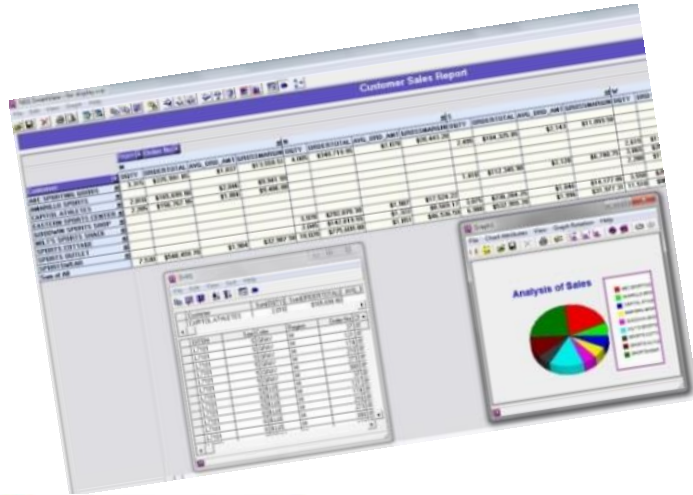
OLAP

Remote data access

Security

Email, FTP

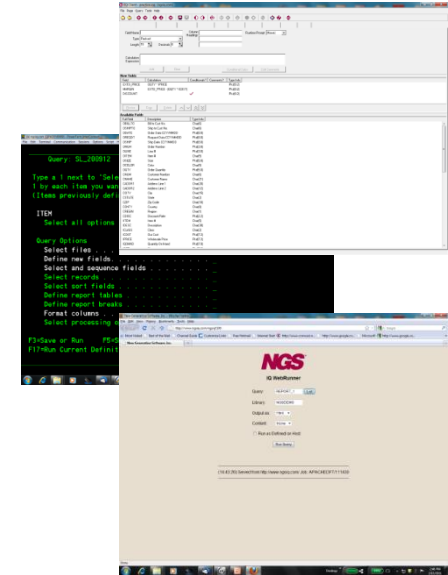
Built for IBM i



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Query Development and Administration

- Inner, outer, one-to-many, and exception table joins
- Conditional “case” new fields
- Run-time prompting for record selections, calculation formulas, email addresses, output destination
- Date and time arithmetic, formatting
- Summary level calculations (total a + total b) / total c)
- Formatting – for Web, print, screen, and other output
- Hyperlinks for on-demand Web drill down
- Integrated email and FTP
- Exit programs
- SQL views and table member aliases
- Built-in management tools – change control, auditing, usage statistics
- Optional meta-data naming for tables and columns



Versatility of Output Options

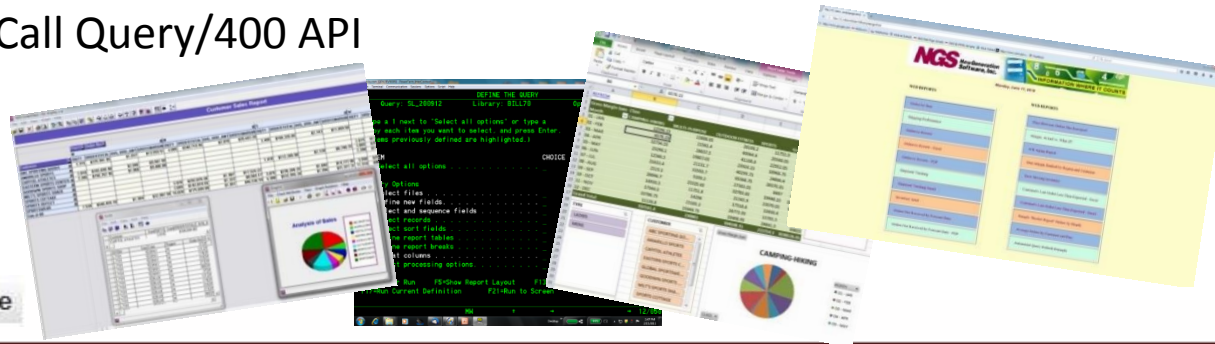
- MS Office (Excel, Word, Access)
- SmartView OLAP
- Web reports
- Db2 on i (summary and detail)
- Print (host and PC)
- Adobe PDF
- HTML
- XML
- CSV
- TXT



The screenshot displays the NGS software interface with several overlapping windows. At the top, the Microsoft Office logo is visible. The main window shows a 'Margin Analysis for L7' report with a table of data. A smaller window titled 'NGS-IQ Pivot Table Update Demonstration' is overlaid on top. Another window shows a bar chart titled 'Wholesale Sales Units, Dollars and Gross Margin - Current Month vs Last Year'. A third window displays a 'Gross Sales by Brand' pie chart. A blue envelope icon is positioned to the right of the main window. The NGS logo and tagline 'INFORMATION WHERE IT COUNTS' are visible in the top left corner of the software interface.

Easy Integration

- Run from portals, menus, web pages, smartphones, tablets
- Run from CL and pass parameters
- Run from job schedulers
- Extend with exit programs
- Enhance security (table, row, column, query, email, output type, etc.)
- Access Db2, SQL Server, Oracle, MySQL, other databases
- Call Query/400 API



NGS-IQ Browser Keywords

Parameter	WebRunner keyword script
System Name	http://www.yoursystemname.com/ngsiq
Query Name	query=queryname
Library Name	Lib=libname
New Field	Newfld=newfieldname+value
Record Selection	Qryslt=sequencenumber+operator+value
Output Type	apptype=Excel, or PDF (HTML is the default)
Show Run-Time Prompts	prompt=yes or prompt=no
Run as Defined on Host	hostdef=yes or hostdef=no
Where to Display	content=inline or attach
Send Completion Message	If hostdef=yes, SNDCOMPMSG=yes or no

Connect each keyword with '&'

Let's see the demo!

Example:

www.ngsiq.com/ngsiq?query=queryname&lib=libname&newfld=newfieldname+value&qryslt=seqnum+operator+value

Output to Excel:

<http://ngsiq.com/ngsiq?query=cmfirst01&lib=LANGSTON&apptype=EXCEL>

Output to Adobe PDF:

<http://ngsiq.com/ngsiq?query=cmfirst01&lib=LANGSTON&apptype=PDF>

Pass value to new field at run-time::

<http://ngsiq.com/ngsiq?query=cmfirst01&lib=LANGSTON&newfld=fieldname+'ABC'>

Remove ability of user to change new field values at run-time:

<http://ngsiq.com/ngsiq?query=cmfirst01&lib=LANGSTON&prompt=no>

Pass run-time selection value:

<http://ngsiq.com/ngsiq?query=cmfirst01&lib=LANGSTON&Qryslt=5+EQ+100>

Technical Support and Training

- Toll-free technical support from IBM i and NGS-IQ specialists
- Hands-on tutorial guide
- User guides and technical documentation
- Online tutoring for Excel users, business analysts, query developers
 - no cost for customers with current maintenance
- [Video Library](#) – from short intros to advanced topics
- No-cost site visits from specialists (as staff travel schedules allow – on hold at this time)
- Level One and Level Two classroom training
 - 2-day lab-style classes (on hold at this time)



Licensing and Implementation Notes

- NGS-IQ is priced by module and user
 - ❖ Designed for incremental deployment
- NGS-IQ can be used immediately upon installation
- Web, 5250, & Windows run-time integration is standard
- NGS-IQ does not use ODBC middleware
- NGS-IQ runs in IBM i over Db2 on i



\$1250US

- **2 Concurrent Users of IQ Server**
includes 5250 administrator and developer interfaces, run-time Web interface, and HTML integration features
- **1 Windows Seat of IQ Client**
point-click, drag-drop query development and Web query design
- **1 Concurrent user of Qport Access**
Windows and Microsoft Office integration module
- **1 Year of Software Maintenance**
- **1 Year of Toll-Free & Electronic Support**
- **Hands-On, Instructor Led Telephone Training**
- **On-Demand Video Tutorials**
- **Online Tutoring**

Saving \$ on IBM POWER9 Servers and Software

Are you running on an IBM POWER7+ or older server?

Do you plan to upgrade to an IBM POWER9 server in the coming year?

Did you just upgrade to an IBM POWER9 model S914 or S922?

NGS can help you pay less for your IBM i user licenses and tools.



Saving \$ on IBM POWER9 Servers and Software

NGS-IQ License Fees

+ NGS Software Maintenance Fees

+ NGS Education Fees

+ NGS License Transfer Fees

≥ Minimum ISV Solution Investment

IBM Discounts:

IBM i User Entitlements

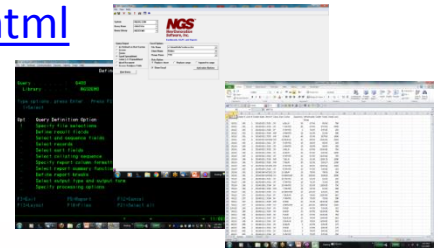
IBM i Access

Rational Developer Studio – ADTS, Compilers



IBM Query/400 Windows Desktop Integration

- **No license fee for up to two concurrent users**
- Windows, run-only interface to IBM Query/400 queries
- Microsoft Excel sheets – create and update
- Microsoft Word, Access, PC printers, Windows display output
- 90 days of toll-free and online technical support
- Software maintenance optional following initial 90-day warranty
- License online at www.ngsi.com/company/qportoffice.html



**IBM i Query,
Reporting,
Analytics**

**The door
you open
makes a
difference.**

Contact



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