

IBM DB2 Web Query for i Software Development Kit (SDK)



The 'Run' button executes the report using the function *WebQueryRunFex*

Country	Region	State	Product Type	Line Total	Quantity	Cost of Goods Sold	Profit	Returns	Return Ratio
United States	East North Central	Illinois	Audio	\$2,362,702.00	5,728	\$1,389,610.00	\$993,092.00	551	9.62
			Camcorders	\$3,631,199.00	2,941	\$2,618,630.00	\$982,569.00	265	9.69
			Cameras	\$959,162.00	1,778	\$690,826.00	\$259,342.00	171	9.62
		Indiana	Office	\$233,159.00	1,021	\$167,200.00	\$65,779.00	99	9.70
			Video	\$2,489,538.00	2,832	\$1,951,240.00	\$538,298.00	273	9.64
			Audio	\$2,095,103.00	5,627	\$1,049,030.00	\$1,006,073.00	545	9.69
	Michigan	Camcorders	Video	\$2,403,452.00	1,868	\$1,853,470.00	\$549,982.00	178	9.53
			Cameras	\$1,955,636.00	4,374	\$1,434,720.00	\$520,916.00	425	9.72
			Office	\$183,510.00	2,210	\$113,960.00	\$69,550.00	216	9.77
		Video	Video	\$5,031,800.00	4,060	\$4,102,260.00	\$929,420.00	395	9.73
			Audio	\$3,223,515.00	6,565	\$1,899,810.00	\$1,323,705.00	627	9.55
			Camcorders	\$3,627,883.00	3,027	\$2,660,210.00	\$967,673.00	288	9.51
			Cameras	\$1,832,851.00	3,639	\$1,333,490.00	\$499,361.00	350	9.62

With the SDK, you can:

- Build applications that interact with parameterized reports, display an executive dashboard, or integrate graph or chart-based views seamlessly.

Highlights

- IBM DB2® Web Query for i provides web based query and report writing solutions for IBM i customers. Leveraging DB2 for i, DB2 Web Query provides a more modernized upgrade from Query/400 and can be extended into a Business Intelligence application.
- DB2 Web Query Software Development Kit (SDK) enables application integration of the reporting environment through a set of SOA-based Web Services. ISVs or DB2 Web Query clients who want application integration can take advantage of the SDK to develop highly customized Web applications that integrate DB2 Web Query reports.
- Customize a web application to work with DB2 Web Query and Report Broker functions, or invoke these functions from an existing application. Link to a report from a URL within a portal interface.

Description

DB2 Web Query SDK is designed for a developer to integrate into existing applications or build a customized application to work with DB2 Web Query reports.

A Web Service is a self-contained application that performs certain functions that are based on open standards and are published on the Web. The benefits of Web Services are the foundation for Services Oriented Architecture (SOA) based application development. They provide a mechanism to access units of business logic that are platform and programming language independent, consistent, reusable, and easily accessible. Any application that runs on either IBM i or can access the system, regardless of whether its written in C++, C#, VB.NET, Java™, or even RPG and COBOL, can invoke these Web Services to run reports and deliver content.

- Combine the DB2 Web Query Report Broker and SDK to integrate report distribution functions, such as application event-driven report execution and delivery, through the Web service interfaces to Report Broker.

- Combine data from both internal and external sources to create a unified, insightful report.

Web Services are included for:

- User authentication
- Working with report domains
- Retrieving report parameters and executing reports
- Checking for or executing report drill-downs
- Opening or retrieving a list of report domains
- Working with Report Broker job scheduler



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The IBM home page on the Internet can be found at <http://www.ibm.com>.

The DB2 Web Query for i home page on the Internet can be found at <http://www.ibm.com/systems/i/db2/webquery>.

Summary

DB2 Web Query for i provides not just a simple web based query and report writing tool, but an extensible Business Intelligence framework that can improve productivity of IT and end users alike while delivering the right data to business analysts when they need it in the formats they are most comfortable using.

Allowing reports and charts to be embedded in line of business or other customized applications brings Business Intelligence in as an integral part of day to day operations.

Implementing a BI solution such as DB2 Web Query that leverages DB2 for i's sophisticated cost based optimizer and self managing attributes allows you to analyze data in ways you never have before. DB2 Web Query allows you to leverage your existing environment, reduce risk, and implement a BI solution that doesn't break the bank cost-wise. Achieve BI ROI in a matter of days versus weeks or months with DB2 Web Query for i!

