

RAZ-LEE

iSecurity
DB-Gate



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DB-Gate

Transparent Access to any Database

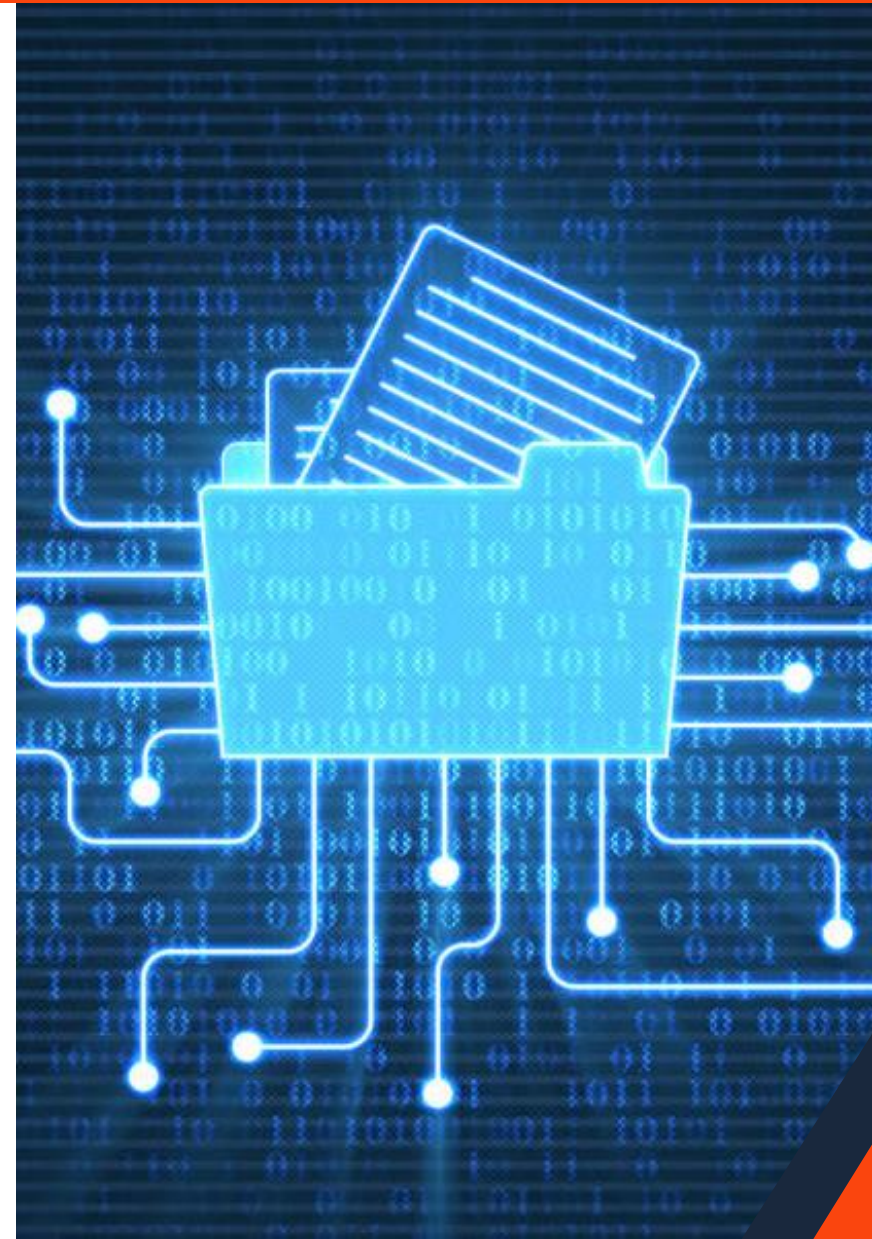
iSecurity DB-Gate empowers IBM i customers with exciting database capabilities to access multiple databases from your main application server.

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Access to Other Databases from IBM i

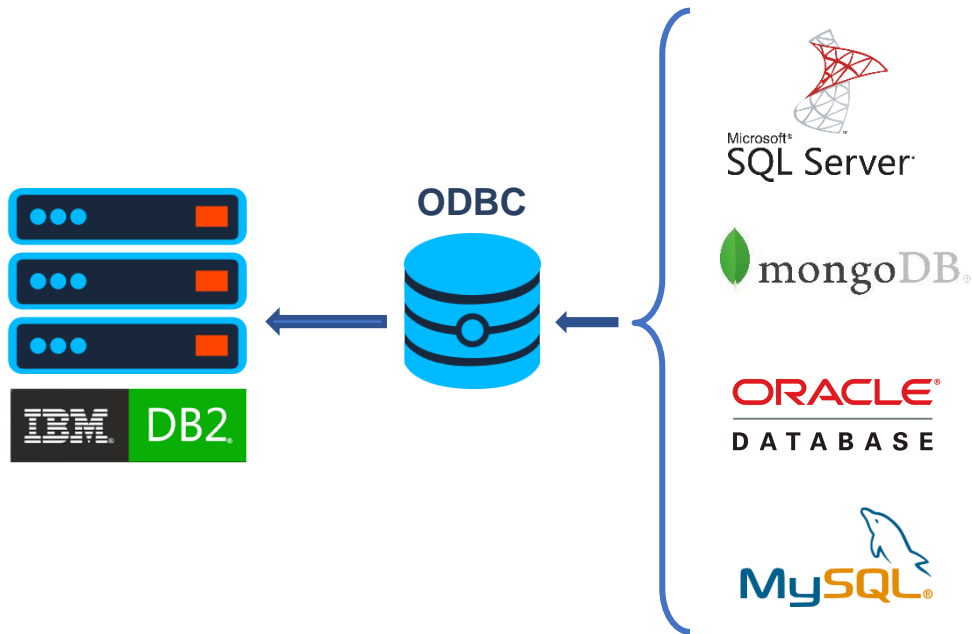
As your enterprise applications expand in database requirements and complexity, so does the need to access multiple databases from your main application server.

- ✓ Current methods of accessing specific files on a remote database from within the IBM i require considerable time and resources.
- ✓ **iSecurity DB-Gate** empowers IBM i customers with exciting data access capabilities, based on Open Database Connectivity (ODBC), employing standard IBM i facilities to enable fully database-transparent access to remote systems.
- ✓ Access to Databases from interactive STRSQL and from any standard program in RPG, Cobol, C, or other languages, access is now easier and more natural than ever.



Using ODBC

Using ODBC, you can connect from another system to the AS/400 but not in the opposite direction.



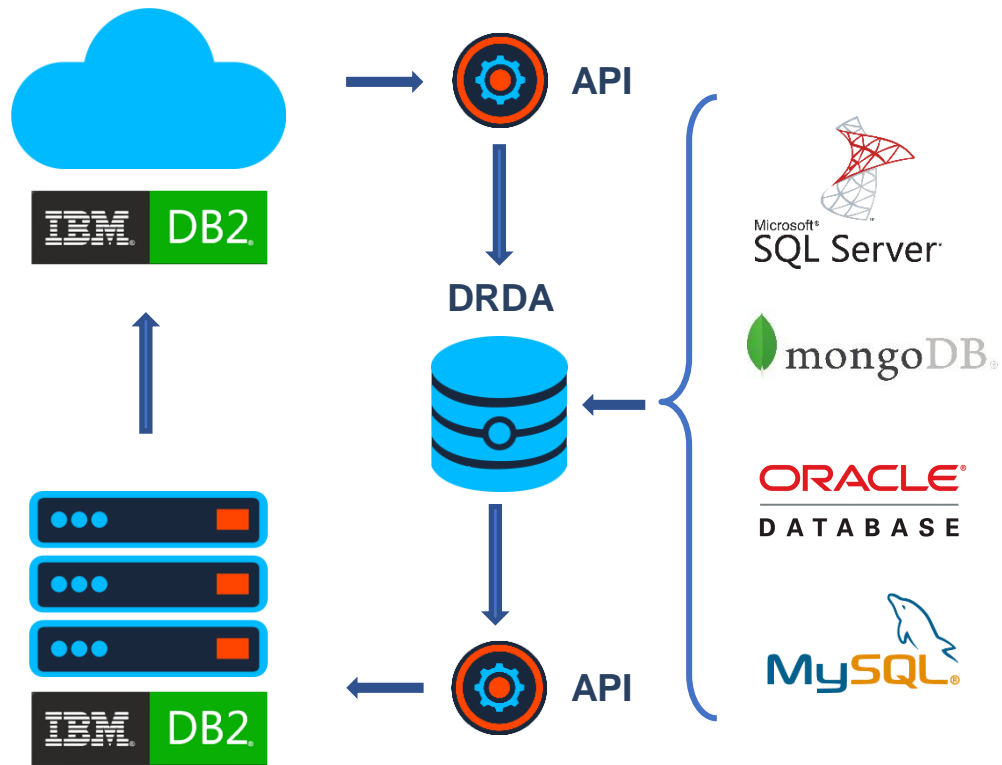
“It's not a big problem talking to another database from an AS/400 Java program”

But from the most-used languages—like RPG and COBOL—it's not possible to talk with a remote database using SQL.

It's not offered by IBM; they don't have this on IBM i.

Using DRDA

DRDA (Distributed Relational Database Architecture), which only connects DB2-like databases, limits the possibility of accessing databases that support JDBC, one of the most common methods for inter-system data access.



“If you aren’t willing to transfer large batches of files (using FTP) to get to specific data...”

You’ll need to implement a complex solution that requires additional middleware, doesn’t use SQL statements or integrates with IBM’s Call Level Interface (CLI) that relies on complicated APIs and which provides only partial functionality.

iSecurity DB-Gate Insights

With **iSecurity DB-Gate** and using native SQL on the IBM i, users can connect to specific files on DB2 and non-DB2 remote databases without any special hardware or software on the remote DB.

Our Solution:

- ✓ Expands programmer's capabilities working with non-DB2 databases.
- ✓ Reduces redundant data and ETL.
- ✓ Provides detailed traceability logs.
- ✓ Eliminates the need for *SQLPCK, even when accessing another DB2 database (including one on the IBM i).



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Let's see our Product in Action!

The best way to see how it works is a demo with **iSecurity DB-Gate** running on a real environment.



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Starting DB-Gate

```
DBMENU                                DB-Gate                                iSecurity
                                         System: RLDEV

Select one of the following:

Settings
 1. Work with Directory Entries
 2. Activation

DB Drivers
11. Work with DB Drivers
15. Drivers & Licenses Folders

Auto Injection of Remote User ID
21. Work with Server Authentication

Activity Log
41. Display Log

Test Drive
51. Start SQL
52. Verify Connection
55. Work with SQL* program sources

General
81. System Configuration
82. Maintenance Menu

Selection or command
===> _____

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel
F13=Information Assistant   F16=System main menu
```


Activation Server Mode

```
DBSETMN                               Activation - Server Mode                               DB-Gate
                                         System: RLDEV
DB-Gate operates in Inline or Server mode. Server mode requires activation.

Internal Server Mode                    External Server Mode
 1. Activate Server                    Activation / De-activation is performed
 2. De-activate Server                on the external server.
 5. Work with Active Jobs              See manual for details.

11. Activate Server at IPL
12. Do Not Activate Server at IPL

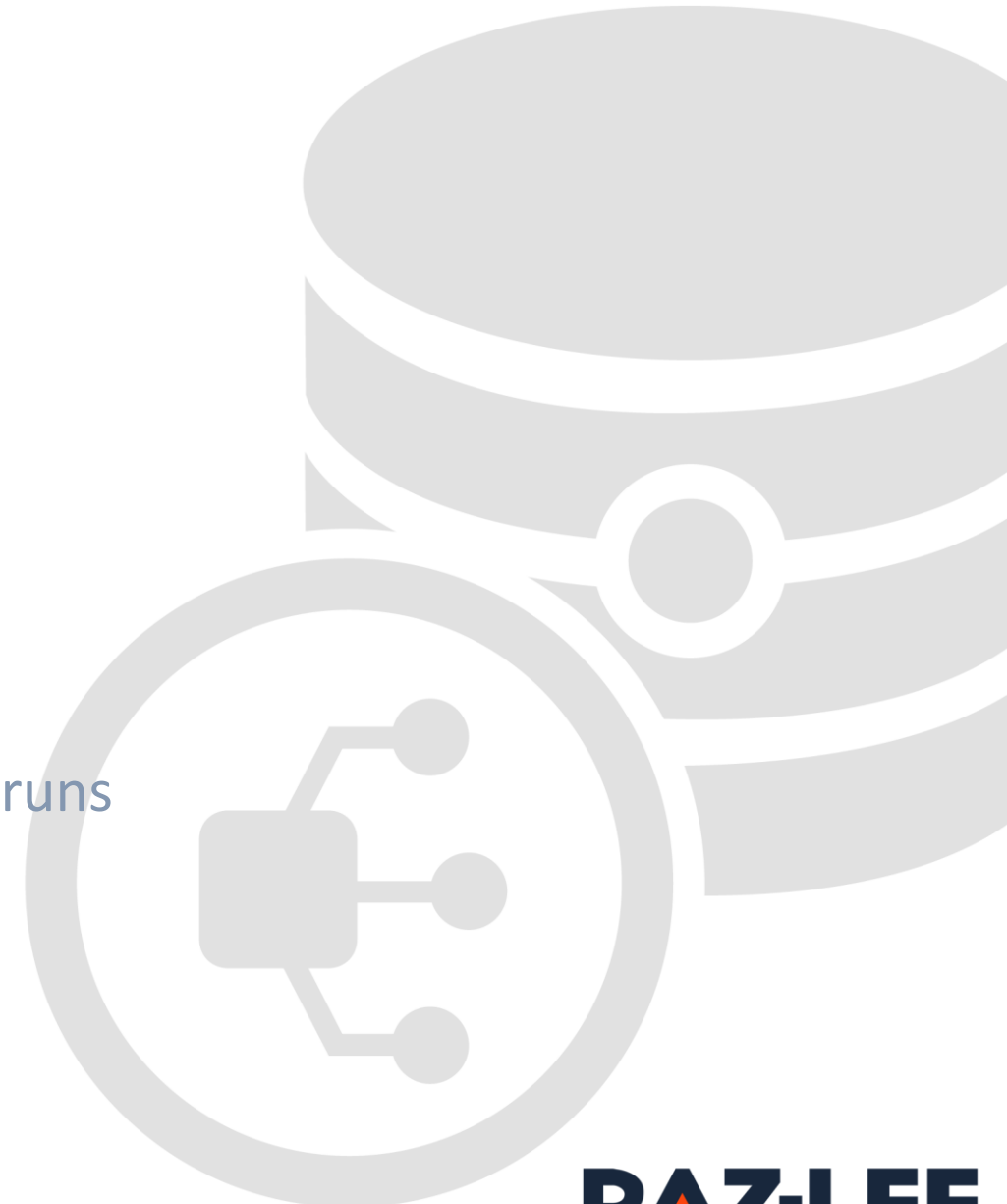
Monitor Internal/External Server        Special
31. Work with Active Sessions           71. Run DB-Gate Performance Test
                                         79. Recreate Data Queues

Selection or command
===> _____

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel
F13=Information Assistant   F16=System main menu
```

| Advantages on our Solution

iSecurity DB-Gate Requires no API, no HW/SW server, runs native on the IBM i, including **STRSQL**, and **CRTSQLxxx**, even integrates with Host Server Authentication.



iSecurity DB-Gate vs RDB Connect Comparison

	DB-Gate	RDB
Based On	SQL	API
Simplicity	High	Low
Works with STRSQL	Yes	No
Standard SQL in RPG, COBOL, C	Yes	No
Doesn't require manipulation for each field by an API	Yes	No
Integrates with Server Authentication	Yes	No
Supports Excel, CSV	Yes	No
High Level Activity Log	Yes	No
Multilanguage Support	Yes	No

iSecurity DB-Gate vs ODBC Comparison

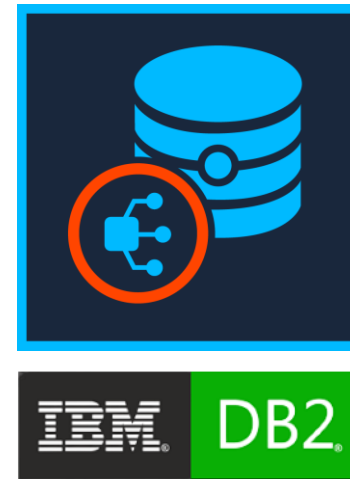
	DB-Gate	ODBC
Connection initiated by	IBM i	PC
Programming Languages	RPG, Cobol, C	.NET, C#, VB
Programmer Experience	IBM i	Windows
Program runs on	IBM i	PC
Resources consumed on	IBM i	PC

Requires no API, no HW/SW server, and it runs native on the IBM i, including STRSQL, and CRTSQLxxx, even integrates with Host Server Authentication.

DB-Gate Possibilities

How it Works? As simple as you don't need anything else. **DB-Gate** can work in "Server Mode" as either an Internal or External server.

- **Internal Server:** A server subsystem needs to be started.
- **External Server:** Removes load off of the IBM i as installed and started from a PC.



iSecurity DB-Gate Advantages

- ✓ Unique technology enables transparent access to any database (**MySQL, ORACLE, MS SQL, DB2, Informix, SQLite**) or data source (e.g., Excel) which resides on any IBM or non-IBM platform using STRSQL, STRQM or programs in languages such as RPG, Cobol, etc. (compiled using CRTSQLxxx).
- ✓ Native integration with **STRSQL** enables prompting for remote database Column names and attributes.
- ✓ Expands IBM i-based **DRDA** functionality by enabling transparent connectivity with **JDBC** databases which support **DRDA**.
- ✓ Use of standard **SQL syntax** preserves familiar work environment.
- ✓ OS/400 Server Authentication integration allows for transparent insertion of user name and password defined to a specific remote database definition.



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