

# **RAZ-LEE**

## **DB-GATE**

Transparent Access to any Database

# About Raz-Lee Security

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Founded in 1983, Raz-Lee Security is one of the world's leading independent owned cybersecurity and compliance solution providers for IBM i servers (AS/400).

Raz-Lee's flagship iSecurity suite guards organizations against insider threats and unauthorized external access to business-critical information hosted on their IBM i. We have developed cutting-edge solutions that have revolutionized analysis and fortification of IBM i servers.

We build solutions that work with other companies' technologies allowing organizations to monitor IBM i activity via SIEM or DAM dashboards.

## Technology Business Partners

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# About iSecurity Suite

## Advanced Threat Protection

- Anti-Ransomware
- Antivirus / Malware protection
  - ICAP Optional Client/Server for Antivirus

## Authentication & Authorization

- MFA Multi Factor Authentication
- Self Password Reset
- Authority On Demand

## Protection

- Firewall FTP, ODBC...access
- Monitor CL Commands
- Safe-Update to protect production files

## Evaluation, Reporting & Alerts

### SIEM & DAM Support

Syslog, SNMP, CEF, LEEF

### Visualizer

Business Intelligence for Security

### Score Cards

for GDPR, SOX, PCI, HIPAA...

### Security Investigator

Data Discovery, Authority Inspector, Assessment

## Encryption

- DB2 Field Encryption (FIELDPROC)
- PGP File Encryption

## Data Base Solutions

- AP-Journal DB Audit, Filter, Alerts, SIEM
- DB-Gate Native SQL to Oracle, MSSQL...
- FileScope Secured file editor

## Auditing & Response

- Audit Journal, System Values, Status...
- Proactive re-Action in real time
- Capture screen activity
- Compliance of Users, Objects, IFS
- Change Tracker watch Production Libraries

# DB-GATE

Transparent Access to any Database

# Access to Other Databases from IBM i

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

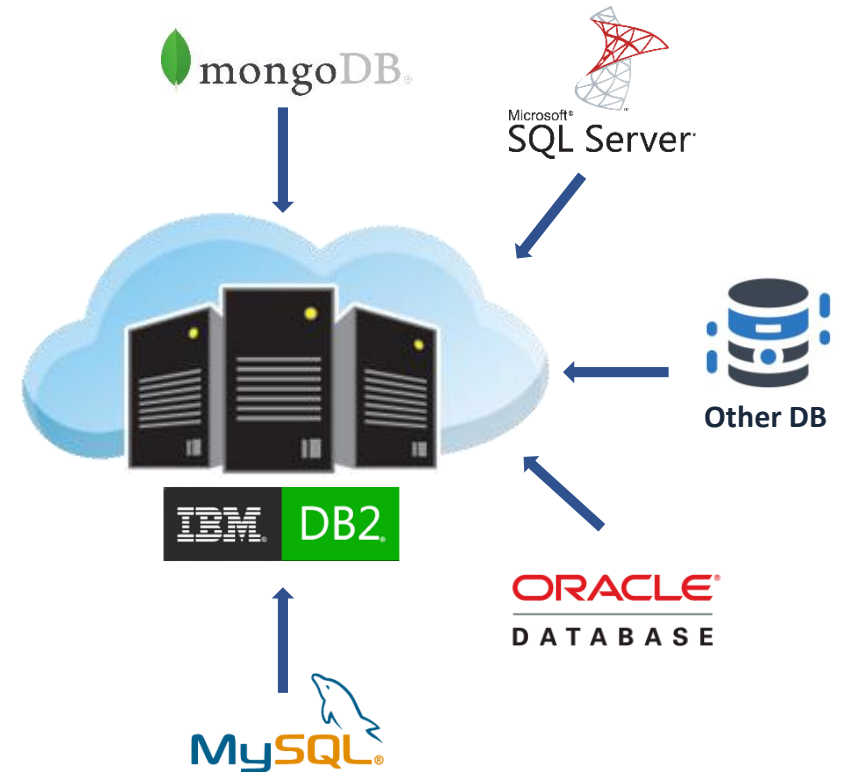
- Current methods of accessing specific files on a remote database from within the IBM i require considerable time and resources.
- iSecurity DB-Gate empowers IBM i customers with exciting data access capabilities, based on Open Database Connectivity (ODBC), employing standard IBM i facilities to enable fully database-transparent access to remote systems.

# 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 i.

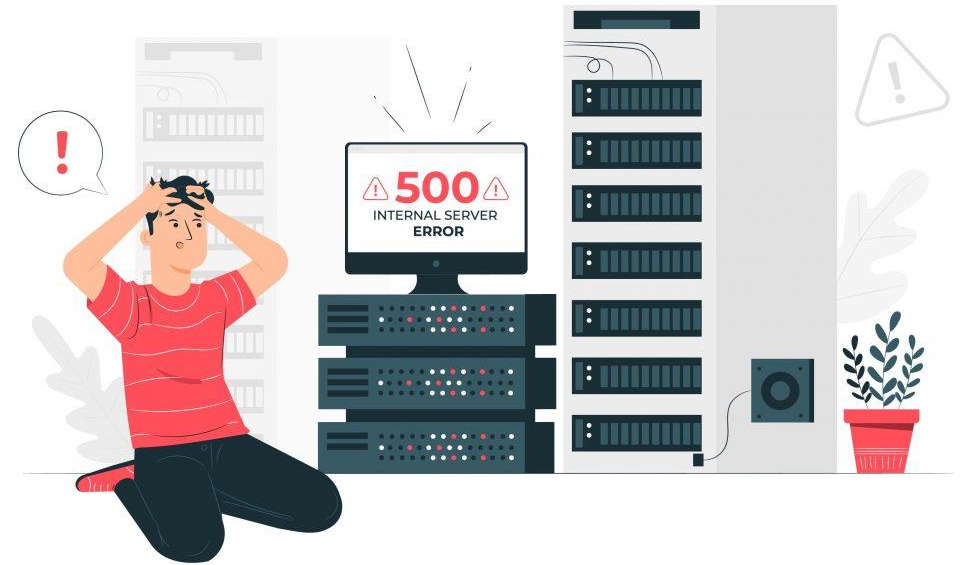


# Using DRDA

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

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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. From interactive STRSQL and from any standard program in RPG, Cobol, C, or other languages, access is now easier and more natural than ever.

## Our Solution:

- Expands programmer's capabilities working with non-DB2 databases.
- Reduces the need for 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).



# 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

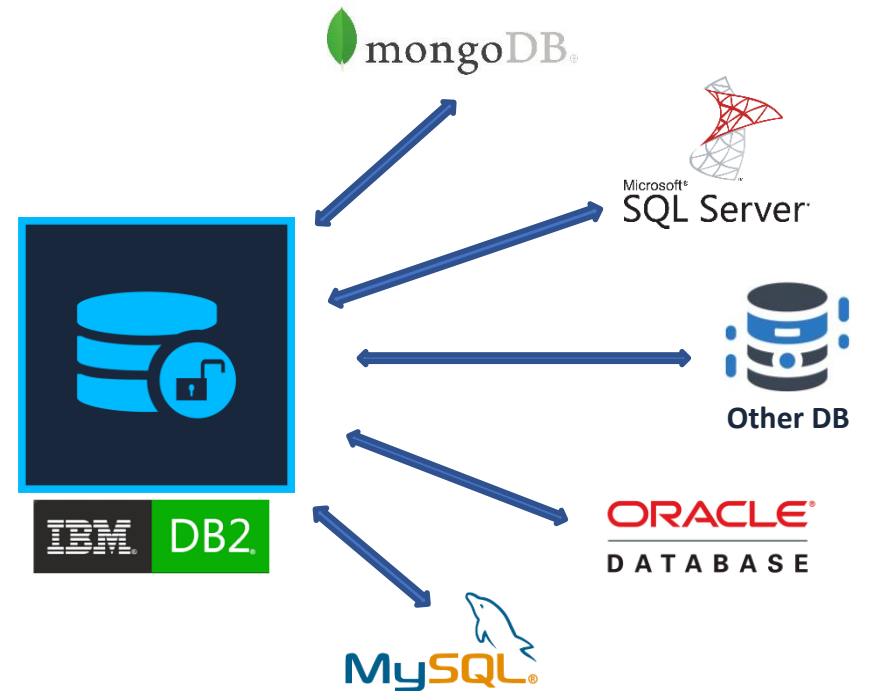
Requires no API, no HW/SW server, and it runs native on the IBM i, including STRSQL, and CRTSQLxxx, even integrates with Host Server Authentication.

# 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

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- 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.

# RAZ-LEE

## Thank You

For more information about our company and products please visit  
[www.razlee.com](http://www.razlee.com)