

# Natural SQL Gateway

## ACCELERATE ACCESS TO DATA IN ANY OPEN SYSTEMS RDBMS

Get on the fast track to the data you need! Natural SQL Gateway gives you direct access to data in a relational database management system (RDBMS) on any open systems platform from any Natural application on the mainframe.

Bring these two platforms together – quickly and easily – to solve your integration challenges and make better business decisions – faster – by streamlining access to data.

Natural SQL Gateway extends the reach of your Natural mainframe applications to data stored on open systems SQL databases, including DB2, Oracle, Sybase and Microsoft SQL server. That means you can leverage your Natural mainframe applications to access data in an open systems RDBMS so business users have consistent, up-to-date information, anytime they need it.

Using Natural SQL Gateway, you can:

- Empower Natural mainframe developers to access data in RDBMSs on open systems platforms using standard SQL syntax
- Provide business users a unified view of data stored in multiple RDBMSs
- Achieve easy and low-cost integration of mainframe and open systems data using Natural business logic
- Re-use existing Natural DB2 mainframe programs and syntax

Figure 1.

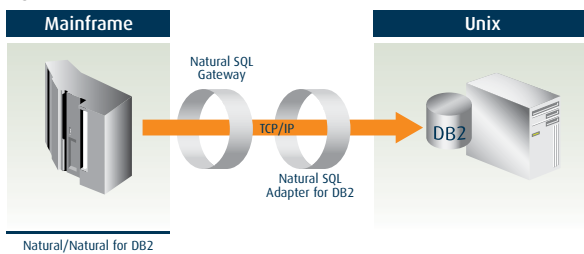
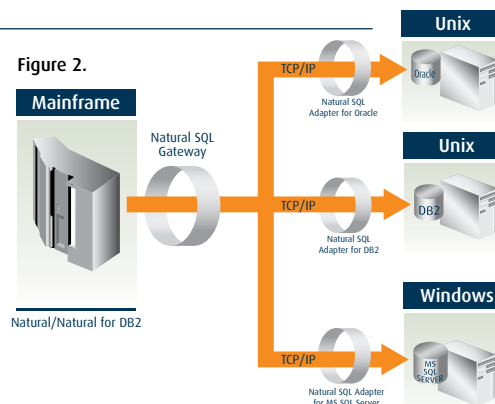


Figure 2.



## HOW IT WORKS

Natural SQL Gateway is ideal when you need to quickly integrate an RDBMS on open systems with a Natural mainframe application. Using standard TCP/IP, Natural SQL Gateway passes SQL database calls directly from a Natural mainframe application to one or more RDBMSs on open systems platforms. No middleware connectivity software required!

FEATURE	WHAT IT IS...	WHY YOU CARE...
<b>Direct access to open systems SQL databases</b>	<ul style="list-style-type: none"> <li>• No middleware connectivity software required</li> </ul>	<ul style="list-style-type: none"> <li>• Lets you use cost-efficient, open systems platforms to host an RDBMS</li> <li>• Ensures high performance</li> </ul>
<b>Multiple database access from a single Natural program</b>	<ul style="list-style-type: none"> <li>• Natural SQL Gateway adapters enable access to multiple RDBMSs</li> <li>• Looks like access to a single database</li> </ul>	<ul style="list-style-type: none"> <li>• Provides business users a unified view of data</li> </ul>
<b>Supports most SQL databases</b>	<ul style="list-style-type: none"> <li>• Provides a standards-based SQL interface</li> <li>• One interface works for all databases</li> </ul>	<ul style="list-style-type: none"> <li>• Database can be 'exchanged' without modifying application code</li> </ul>
<b>Uses Natural data manipulation language (DML) for database access</b>	<ul style="list-style-type: none"> <li>• Same standard Natural DML used for accessing Adabas and SQL databases</li> <li>• Easy, self-describing Natural database access statements</li> </ul>	<ul style="list-style-type: none"> <li>• Speeds development</li> <li>• Reduces training</li> <li>• Makes programmers immediately productive</li> </ul>
<b>SQL syntax support in Natural</b>	<ul style="list-style-type: none"> <li>• Standard SQL statements, such as SELECT, can be used in Natural programs</li> <li>• SQL programmers can use SQL syntax while leveraging all the advantages of a Natural environment</li> </ul>	<ul style="list-style-type: none"> <li>• No extra training costs</li> <li>• Quick delivery of required applications</li> </ul>
<b>Re-use existing Natural for DB2 programs</b>	<ul style="list-style-type: none"> <li>• Existing Natural DB2 programs can now access DB2 on open systems</li> </ul>	<ul style="list-style-type: none"> <li>• No or minimal effort required to access other SQL databases on one or more open systems platforms</li> </ul>
<b>Natural debugger</b>	<ul style="list-style-type: none"> <li>• Natural programs with embedded SQL can be debugged with the familiar Natural debugger</li> </ul>	<ul style="list-style-type: none"> <li>• Increases application quality</li> </ul>
<b>DBlog utility</b>	<ul style="list-style-type: none"> <li>• Calls to any database can be logged through the Natural Dblog utility</li> </ul>	<ul style="list-style-type: none"> <li>• Increases productivity</li> </ul>
<b>SYSDDM/PREDICT support for DDMs</b>	<ul style="list-style-type: none"> <li>• Generation and documentation of DDMs from database tables</li> </ul>	<ul style="list-style-type: none"> <li>• Less time required for documentation tasks</li> <li>• Lower maintenance costs</li> </ul>

## GET THERE FASTER WITH NATURAL SQL GATEWAY

### Solve your integration challenges

Natural SQL Gateway takes you beyond siloed architectures so your enterprise can share data efficiently between mainframe applications and open systems databases. You gain a common open-standards-based approach to integrating the diverse systems at work across your business.

### Increase customer satisfaction

Now you can easily provide a single view of data to speed up and enhance your service to customers. With Natural SQL Gateway, a single program can access data from any SQL database. With a unified view of data, business users can make more informed decisions.

### Meet business needs – faster!

You'll be productive right away with Natural SQL Gateway. There's practically no learning curve. You can use the same Natural data manipulation language (DML) for access to DB2 and other SQL databases on open systems platforms. SQL syntax support in Natural also reduces development time. And, because you'll be able to re-use existing program logic, you'll be able to get new services to market – faster.

### Technical specifications

Prerequisite: Natural SQL Adapter

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Software AG – Get There Faster

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