

# LANSA Open

## Rapid client/server with Windows/Java

You can deliver any Windows or Java interface your users demand, and maintain the security and high performance necessary for mission critical applications. LANSAs Open combines the GUI builder of your preferred PC development tool with the speed of LANSAs middleware, the scalability of LANSAs applications, the maintainability of LANSAs Object Repository and LANSAs portable server technology.

### Technology for business advantage

The pace of technical change releases a constant flow of new tools and new ways for organizations to seize an advantage. Users switch from tool to tool as they strive for ever higher customer service.

You can accelerate your competitive advantage with LANSAs Open. On the server, use LANSAs Object Repository to centrally store business rules, data validations, error messages, Referential Integrity and Triggers, derived fields, security and provide commitment control. LANSAs 4GL can create powerful portable server-based stored procedures.

You retain control of your business on your chosen server. You need less code on the client. All programs inherit from the LANSAs Object Repository and simply access the server via LANSAs Open's fast and scalable middleware.



"LANSA's middleware is much faster than other AS/400 options" - Orion Systems, USA.

### Java, Windows and the AS/400

Until now, the major challenge in successfully integrating client applications with the AS/400 has been in achieving fast client-to-AS/400 transaction times.

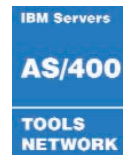
Developers faced a difficult choice. The high productivity engines of many client tools require an ODBC/JDBC driver. But these drivers do not deliver the speed of native RPG record-level access. Oracle developers prefer native drivers. AS/400 developers need a native driver, too.

LANSA's open middleware provides superfast performance that rivals the speed of native RPG applications. Accelerate development with high productivity tools. You focus on user requirements and leave client/server complexity to LANSAs.

### Integrate any emerging technology

You can invoke LANSAs Windows middleware from any tool that can call a DLL or an ODBC driver. You can also invoke LANSAs Java middleware from any tool that can use JavaBeans.

Create your user interface in any complementary technology including the Internet, mobile desktop, multimedia, Windows and Java - and you can still have rapid response times and LANSAs portable server technology.



## The power and security of scalable server technology

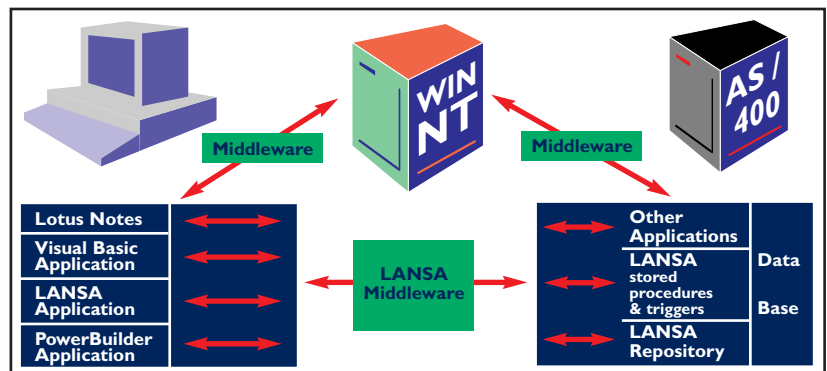
LANSA lets you take advantage of the power of your chosen server. Your existing AS/400 staff know your business well but may not have time to learn the very latest technologies.

LANSA Open makes sure PC programmers cannot intentionally or unintentionally corrupt the server database. Changes to database or integrity rules will not affect the stability of client applications. By defining business rules on the

server and reducing the code in the user interface, you make maintenance easier.

LANSA's architecture minimizes network data transfer, improving scalability. LANSA Open makes it easy

to create portable triggers and stored procedures on your server. Client applications request a result set only. The server performs complex application and database processing.



LANSA's active Object Repository enforces security and business rules for all client applications across multiple servers.

## Features:

### LANSA OPEN OPTIONS:

- LANSAs Open for Windows
- LANSAs Open for Java
- LANSAs fast and scalable middleware
- LANSAs/Client end user query, report, chart
- Either LANSAs for AS/400 stored procedures and triggers or LANSAs for Windows for portable LANSAs server applications and graphical repository administration
- Dynamic multi-tier client and server partitioning

### CHOOSE ANY PC TOOL THAT CAN CALL A DLL, ODBC DRIVER, OR ACTIVEX CONTROL (OLE):

- PowerBuilder • Delphi • Centura
- Lotus Notes/Domino • Visual Basic • Access

### CHOOSE ANY JAVA DEVELOPMENT TOOL THAT CAN USE JAVABEANS:

- Visual Cafe • VisualAge for Java
- JBuilder • Visual J++

### FAST NATIVE RPG AS/400 DATA ACCESS

### PORTABLE LANSAs REPOSITORY:

- Domain Integrity (data validations)
- Referential Integrity • Error messages
- Help messages • Default values
- Field description and heading
- Extended DB2/400 Event Triggers
- Pre-defined joins • Date formatting
- Virtual fields • Security
- Multilingual, DBCS and RLTB

### PORTABLE LANSAs STORED PROCEDURES, TRIGGERS AND BATCH PROGRAMS:

- NT • AS/400 • UNIX • JAVA

### COMMUNICATIONS PROTOCOLS:

- APPC, TCP/IP • SNA Server

### CHOICE OF DIRECT CONNECT OR GATEWAY CONNECTION:

- Novell Network for SAA
- SNA Server for Windows NT

#### THE AMERICAS:

LANSA Inc.  
Oak Brook Illinois  
Tel: +1 630 472 1234  
Fax: +1 630 472 1004

#### EUROPE:

LANSA Ltd  
London England  
Tel: +44 1442 236630  
Fax: +44 1442 260998

#### ASIA PACIFIC:

LANSA Pty Ltd  
Sydney Australia  
Tel: +61 2 9928 1188  
Fax: +61 2 9957 6625