

LANSA for the AS/400

Simply more productive

LANSA is the premier AS/400 application development environment. It is easy to learn and use. You can easily extend your existing applications. New applications can be rapidly designed and created. Development is much faster than RPG in LANSA's powerful, portable 4GL. Maintenance is much easier with centralized definitions of common logic in the LANSA Object Repository.

Rapidly build efficient applications

Packaged solutions seldom, if ever, meet all your needs. Some say that 60% is a typical average. The cost of customizing in RPG or COBOL is many times the cost of initial purchase. LANSA can easily extend existing packages or build complete systems.

The LANSA 4GL is based on industry standard SQL with the addition of the best features of other database languages. Anybody who understands the essentials of fields, files and programs is immediately highly productive.

LANSA compiles to native RPG for high performance but there is no need to write and maintain RPG. Even debugging is performed at the LANSA 4GL level.

Multiple language definitions for screen field descriptions, help text and error messages are defined in the LANSA Object Repository. Multiple users can access the language of their choice from a single program version. You design and maintain one version.



"Productivity increased 500% after only three months" - Rhone Poulenc, USA.

Easily maintain your applications

The LANSA Object Repository is the key to rapid response to user change requests.

By centralizing common logic in the Object Repository, programs inherit data validations, date calculations, help text, error messages, file navigation rules, security, commitment control and Referential Integrity. All without programming.

You change definitions in one place and all programs behave according to your new rules.

You have much less code to maintain because LANSA automatically creates screens and reports and centrally enforces your business rules.

Portability

Develop AS/400 applications in LANSA and you can port to Windows, Java and UNIX platforms with no source code change. Your investment is protected. Your future costs are reduced.

LANSA®

ADVANCED SOFTWARE MADE SIMPLE



Easily design new applications

You can rapidly design new applications with LANSA.

LANSA's advanced object modeler can rapidly create a complete system including many programs, screens and reports.

Alternatively, LANSA's data modeler can rapidly create your database with complete Referential Integrity from a logical data model.

Generated systems can be extended with LANSA's 4GL. Full syntax prompting makes learning easy.

LANSA supplies programmable Templates for many standard applications. Using Templates, you answer a series of questions and quality 4GL programs, screens and

reports are automatically generated. You can easily create your own Templates to implement your development standards.

```
SAMPLE 4GL PROGRAM : ADDING NEW RECORDS TO A FILE
Total 4GL statements : 6
GROUP_BY  NAME (#CUSTOMER) FIELDS (#CUSTNO #NAME #ADDL1 #ADDL2 #ADDL3 #POSTCD)
BEGIN_LOOP
CHANGE    FIELD (#CUSTOMER) TO (*DEFAULT)
REQUEST   FIELDS (#CUSTOMER)
INSERT    FIELDS (#CUSTOMER) TO_FILE (CUSMST)
END_LOOP
```



```
Add New Customers
Customer No .....
Name .....
Address 1 .....
Address 2 .....
Address 3 .....
Postcode ..... +
F1=Help F3=Exit F4=Prompt F12=Cancel F14=Msgs
```

These few lines automatically paint the screen, perform data validations, display error messages, automate CUA function key processing and securely update the database.

Features:

LANSA FOR THE AS/400 OPTIONS:

- AS/400 development
- Rapid User Object Modeling (RUOM)
- LANSA/Client for end user graphical query, reporting and charting
- Year 2000 ready
- Native Domino integration

SUPPORTS BOTH CISC AND RISC AS/400

ACTIVE OBJECT REPOSITORY:

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

DESIGN:

- Object Oriented Modeling
- OO extensions to extended Chen E/R
- Full system prototyping
- Logical data modeler using Chen E/R
- Open interface to other data modelers

BUILD:

- Comprehensive 4GL (RDML)
- Promptable syntax experts
- Programmable Templates
- Action diagram editor
- Automatic screen and report generation
- Screen painter
- Report painter
- IBM CUA screen standard
- Compile to native RPG performance or portable Java
- Online Client & Remote server 4GL debug
- Change control
- Automatic generation of documentation
- Impact analysis

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