

Announcing: LANSA Version 12

LANSA Version 12 marks another milestone in LANSA's ongoing quest to simplify the task of building advanced software. While LANSA Version 12 brings many new features and enhancements, some of the more significant ones listed below, it continues to support all of your existing applications.

LANSA Installation and Upgrade

The new Visual LANSA Installation and Upgrade Wizard simplifies installations, upgrades and repairs. The Wizard's layout has diagrams to make it easier to select from available configuration options. You tell the wizard what you want to do by answering a few simple questions:

- Choose the type of installation - New, Upgrade or Modify/Repair.
- Nominate the deployment architecture - Master/Slave or Local.
- Select the database.

The installation and upgrade includes SQL Server 2008 Express as the Visual LANSA development database and components of the Visual Studio 2008 Express C++ compiler and runtime.

Update Databases on Windows Servers from IBM i Programs

Do you need to read and update databases on Windows servers from your IBM i? You could already do that with LANSA Integrator

and now you can do it directly from Visual LANSA as well.

From an IBM i Visual LANSA-based application, establish a connection (LANSA SuperServer) to a Windows server using a built-in function and the IBM i application can read and update databases residing on the Windows server. This feature helps preserve database consistency where data is distributed across IBM i and Windows platforms.

Wizard to Create Web CRUD Apps

Visual LANSA now includes application Wizards to help you build browser-based CRUD (Create, Read, Update, Delete) applications quickly. Just start the Wizard, answer a series of questions and the Wizard will generate a complete LANSA Web Application Module (WAM), compile it and optionally execute it.

You can use the generated WAM as a finished application, or as a framework to build upon.

LANSA Enforcement Triggers

LANSA Enforcement Triggers (database triggers or stored procedures) simplify the task of ensuring data integrity. The LANSA Repository defined rules and triggers are enforced regardless of whether the database is accessed by COBOL, Java or RPG programs, utilities such as DFU or the SQL processor

or from programs using ODBC or ADO database access.

Use SQL Database Tables

You can load definitions of SQL views on tables and MySQL tables as 'Other Files' into the LANSA Repository. This feature caters for files created with SQL (without DDS).

SSL Encryption

OpenSSL Encryption to IBM i for client/server communications is available as a server-side option for secure encryption of network communications. SSL does carry a processing overhead and may reduce transfer speeds.

The handshake between server and client uses anonymous ephemeral Diffie-Hellman keys, with subsequent data transfers encrypted with a per-session symmetric key. DES and Twofish encryption algorithms are still available, but we recommend using SSL.

Unicode Support for Files

Version 12 extends support for Unicode with the Store in Unicode (SUNI) attribute to indicate that Char, String or CLOB fields are to be stored in Unicode (UTF-16) in the database.

Transfer Applications to any Server

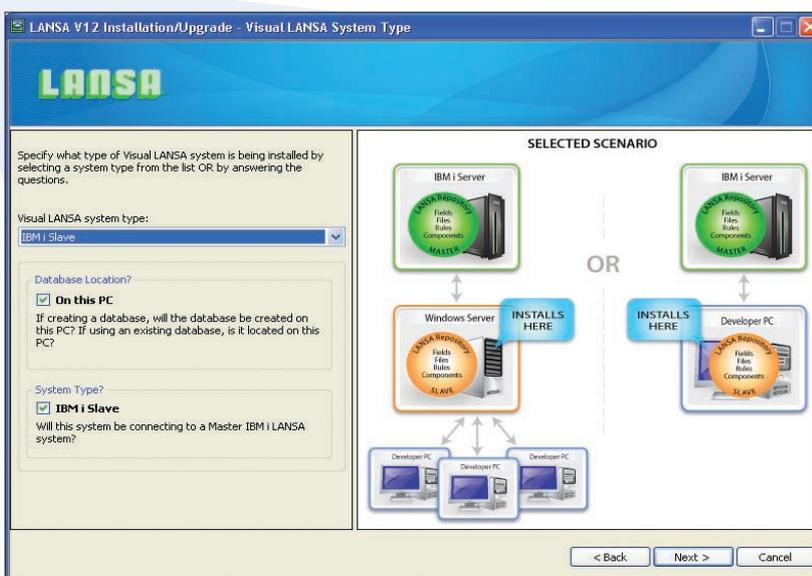
Do you need a fast method to send objects or entire applications from your development environment to a systems testing environment on another machine? With LANSA Version 12, you can specify any server as a remote server in your Visual LANSA environment and transfer objects or entire applications to the remote server with only a couple of clicks: Open the Repository tab, choose the objects (or Editor Lists) you want to transfer and select the Deliver-To option.

Long User ID and Password

Long and complex passwords assembled from a mix of upper and lower case letters, numbers and special characters are harder to crack than short and simple passwords. LANSA products in Version 12 support long user names and passwords. For example, the CONNECT_SERVER built-in function supports a 256 character user name and password.

For a more complete overview of what's new in version 12 visit

www.lansa.com/whatsnewV12



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