

MULTI-PLATFORM DEVELOPMENT

Your code is multi-platform: Windows, .Net, Linux, Java, Mac, Internet, Cloud, SaaS, PHP, Windows CE/IoT, Android, iOS, ...

WEBIFICATION

GDPR

CONTINUOUS INTEGRATION

STATIC AUDIT

MULTI-PROJECTS SEARCH

BATCH BUILD

DATABASE

NATIVE CONNECTOR

- HFSQL
- SQL SERVER
- ORACLE
- MYSQL
- AS/400
- DB2
- INFORMIX
- SYBASE
- PROGRESS
- POSTGRESQL
- SOLITE
- MARIADB
- AZURE
- ...
- OLE DB
- ODBC

HFSQL

- SQL database
- Client/Server
Windows et Linux
 - Cluster
 - Local, Embedded
 - Network
 - Cloud, HFSQLDrive
 - Mobile
Android, iOS, Windows CE/IoT
 - UWP
Universal Windows 10 App
- Stored procedures, Triggers, Warm backup, Scheduled tasks, Activity statistics, Management of rights, Full text, Automatic reconnection, Multi-site replication, Spare, Encryption, Unalterable tables, ...

BIG DATA

Hadoop, HBase, HDF5, Hive, Riak, MongoDB, Memcached, Redis, ...

CONTROL CENTER "HFSQL"

Management of servers, Viewing/Modifying files, Running queries, Managing rights, Notifications, Dashboard, ...

RÉPLICATION UNIVERSELLE

TOTAL INTEGRATION

ARCHITECTURE: 2-TIERS AND 3-TIERS

INCLUDED DEVELOPMENT PLATFORM (IDE, ALM)

DevOps environment in English, Spanish or French

COLLABORATIVE SOURCE CODE MANAGER: SCM, SCM DRIVE (cloud), GIT

Source code collaborative management, GUI, analysis, ... Branch management, Rights management, Comparison tool, Merge, ...

MODELING: UML, MERISE

(CDM, LDM)
Reverse modeling, 9 diagrams, Class generation, Import, ...

FLEXIBLE MODELING

Modeling of processes, Workflow, Diagram, Reverse modeling of code

QUERIES

Mathematical expression, SQL, Stores procedures, WLanguage functions, Full text, ...

BUSINESS RULES

Link with the UI, IBR icon...

MULTI-LINGUAL MANAGEMENT

Translation tool, Automatic check-out and check-in, 64 langues par application, Dictionary, ANSI, Unicode, ...

INTERFACE

UI, UX

Templates, Multiple inheritances, Internal windows and pages, File links, DataBinding, Preset actions, Automatic UI checker, MVP, Responsive Web Design, Skins, Skin templates, Planes, UI compilation errors, Layouts, Dynamic serving...

Advanced controls:

Table, Chart, Dashboard, Scheduler, Word Processing, OCR, Spreadsheet, PDF Reader, Gantt Chart, Looper, Multimedia, Toast, Layout, Dockable Panel...

Smart controls:

Button with Progress Bar, Timeline agenda, Menu with drawers, Finger signature, International phone number input, Product looper, Resource planning, Twitter timeline, Color picker, Login, PDF gallery...

Standard controls:

Button, Static, Edit, Calendar, Combo Box, Radio Button, Check Box, TreeView, List Box...

REPORTS

Preview, Export (PDF, PDF/A, RTF, HTML, Word, Excel, Open Office, XML, etc.), Search, Template, Bookmark, Factur-x, Form and input, Archiving, Bookmark, DataBinding, Watermark, Pivot table, QR Code, and more.

IMAGE EDITOR

Adjustment, Resizing, Transparency, Layers, Generation of 5 states and borders, ...

CONTROL CENTER "PROJECT MONITORING"

- Management of requirements
- Management of tasks and schedules
- Gantt Chart
- BurnDown Chart
- ...

SECURITY

User Groupware, Password, Rights management, Encryption, Asymmetric encryption, Encryption...

AVAILABLE RESOURCES

- 200 Examples, 30 Components, 47 Skin templates, RAD patterns, 150 Preset controls and templates, 200 Wizards, Online help, Tutorials, and more.
- Community, Free hot line, Community documentation, ...

AAD (Aided Application Development)

Object snapping, General help, Anchor errors and conflicts, Adapted controls at creation...

TECHNICAL DOC.

Generation by reverse analysis, Export (PDF, RTF, HTML, ...)

PROGRAMMATION

HELP

Automatic generation, Automatic documentation of updates, ...

RAD (Rapid Application Dev.)

Preset and custom patterns, Generation of windows and pages: Form, Table, Search, Table+Form, ...

RID (Rapid Interface Dev.)

Preset and custom patterns, Generation of windows and pages: Form, Table, Search, Table+Form, ...

5GL CODE (WLanguage)

Set of procedures, Threads, Classes, Associative array, Inheritances, Queur, Stack, List, Polymorphism, ANSI, Unicode, ...

AUTOMATED TESTS

Unit tests, GUI control, Scenario, Iteration, Automatic generation of tests, Code Coverage, ...

COMPONENTS

Generation and Use, External, Internal, Internal with analysis, ...

DEBUGGING

Local, Remote, Trace, Assert, Runtime log, Step by step, Breakpoint, Viewing the content of the variables, Modification of the code while debugging, Definition of the next statement to run, Dump, ...

PROFILING

Analyzing the performances, CPU time, Optimizations, Number and order of calls, ...

MESSAGING

Attachment, Custom folder, Search, Annotation of document, ...

BUG MANAGEMENT

Statistics, Link with SCM, Associating tasks, User feedback, ...

EXISTING CODE

- Access
- C
- C#
- C++
- Cobol
- Fortran
- HTML/CSS
- Java
- Javascript
- Pascal
- VB
- ...

EXTERNAL RESOURCES

- ActiveX
- Angular
- Apple Sign in
- API
- Beacon
- Blockchain
- Bootstrap
- Chorus
- CM 11/15
- Corba
- DDE
- DLL
- DLNA
- DMP
- DocX
- Facebook
- Fax
- FTP, FTPS, SFTP
- HTML
- HTTP
- iCalendar
- IMAP
- Instagram
- IoT
- J2EE
- JQuery
- JSON
- Modbus
- NFC
- OAuth
- OLE
- OPC
- OpenID
- POP
- Port série
- REST
- RSS
- SESAM
- SharePoint
- SMTP
- SOAP
- Socket
- TAPI
- Twain
- Tweeter
- UPNP
- XLS/XLSX
- XML
- YAML
- Youtube
- ...

NATIVE CONNECTORS TO THIRD-PARTY PRODUCTS

- Google
- IoT
- JSON
- LDAP
- Lotus Notes
- MATLAB
- MQTT
- Outlook
- RSS
- SAP R/3
- Salesforce
- Webservice
- XML
- ...

MONITORING ROBOT

MONITORING

- FTP and HTTP connectivity, Computer (Query, PING), NNTP, SMTP, HFSQL Client/Server server, external databases (by ODBC)
- Activity of a WINDEV application, Log of a WEBDEV site, WEBDEV server, Disk space (SNMP), ...

ALERTE MESSAGE

Messaging, Control screen, WLanguage procedure, Email, SMS, ...

MANAGEMENT OF USER FEEDBACK

CONTROL CENTER "FEEDBACK"

Feedback management, Spool, Filter, Account, POP, Scheduling, ...

TELEMETRY

Collection server (on-premises or in the cloud), Dashbord for results of collections: Deployed versions, Most frequently used features, Unused elements, Longest processes, Performance metrics, Device statistics, Report printing, Custom data...

AAF (Automatic Application Features)

Automatic export (Word, Excel, Open Office, XML, PDF, etc.), Automatic application lock, Input history, Persistence, UMC (User Macro-Code), Reports & Queries, Data from tables in 3D charts, Send reports by email, Automatic HFSQL data optimization, Automatic optimization of conflicts and integrity, Password and rights management, Automatic calculation in tables, Autocomplete, Automatic validation button, Remember window size and position, Resizable table rows, Automatic filter on table columns, Automatic RTF formatting bar, Context menu on images, Print table via right-click, Shortcut keys, Form copy, CTRL G: move through a multiline control, Calendar, Calculator, Repositionable Note, Tooltip, Window reorganization (position, size, color), Internet search...

GENERATION AND DEPLOYMENT

WEBSITE

Static/Dynamic website, SPA, PHP, AWP, HTML 5, CSS 3, AJAX, JavaScript, TypeScript, WebSocket...

MULTI-CONFIGURATION COMPILATION

.EXE

Windows, Linux, JIT, 32 et 64 bits, Service, UWP, ...

JAVA

Windows, Linux, MacOSX, ...

.NET

Generation and Use, Assembly, ...

WEBSERVICES

Generation and Use, Assembly, SOAP, REST, ...

MOBILE

Android, Wear OS, iOS, Apple Watch, Catalyst, Industrials devices (Psion, Zebra, ...), Windows CE/IoT, ...

SETUP, DEPLOYMENT AND AUTOMATIC UPDATE

Plug-in, With/Without UAC, Single User (DVD, USB Key, etc.), Live Update (data and applications: network, HTTP, cloud, push, multi-site), Customizable style book, Uninstaller, Google Play, App Store, MDM, Windows Store, In-app purchases and subscriptions...

CLOUD COMPUTING

Generation and use of SaaS, SQL Azure, PCSCloud, Docker...

DYNAMIC AUDIT

Analysis during operation: execution Warnings, non-fatal errors, Asserts, Memory content...

This poster only presents some of the environment possibilities.

