

# THE POWERFUL IDE AND ALM SUITE

## 1 - IDEAS, REQUIREMENTS

### IN WINDEV 22 EVERYTHING IS INTEGRATED

- ONLY 1 ENVIRONMENT TO MASTER: YOUR TEAMS ARE IMMEDIATELY PRODUCTIVE
- A SINGLE TOOL TO ACQUIRE ; REDUCES COSTS
- A SINGLE POINT OF TECHNICAL SUPPORT, FREE
- YOU'RE A WINNER

## 2 - CONCEPTION

**REQUIREMENTS MANAGEMENT**

**UML**  
9 Diagrams

**ANALYSIS**  
Data structures, CDM, LDM

**PATTERN RAD**

**STYLE BOOK**

**FLEXIBLE MODELING**

**TEMPLATES**  
windows, reports, controls, ...

**PROGRAMMING CHARTER**

## 3 - DEVELOPMENT

### DATABASE

**HFSQL**  
SQL database

**Native Access**  
OLE DB, ODBC, Oracle, MySQL, MariaDb, AS/400, PostgreSQL, SQL Server, ...

**Binding**

**Native application Access**

**Big Data**  
Hadoop, HBase, Riak, MongoDB, ...

**Architecture**  
2-tiers and 3-tiers

**Universal replication**

**Control Center "HFSQL"**

**EXTERNAL RESOURCES**  
Component, API, OLE, ActiveX, XML, J2EE, .Net, Linux, Java, Socket, Soap, Rest, RSS, HTTP, JSON, Javascript, DLL, Corba, SMTP, POP, CM 11/15, TAPI, FTP, HTML, Serial port, XLS/XLSX, IMAP, ...

**EXISTING CODE**  
C, C++, C#, Java, VB, Access, Pascal, Cobol, Fortran, ...

**DEVICES AND DOMOTICS**  
X10, Robot, IoT, Production line, ...

**WINDOWS,**  
Internals windows

**5GL CODE**  
WLanguage

**COMPONENTS**

**RAD**  
(Rapid Application Development)

**DEBUGGER**

**HELP**

**CLASSES**

**MULTI-LINGUAL MANAGEMENT**

**IMAGES**

**REPORTS**

**TECHNICAL DOC.**  
Generation (PDF, RTF, HTML, ...)

**SCM (SOURCE CODE MANAGER)**  
Versioning

**MESSAGING**

**CONTROL CENTER :**  
Bugs and suggestions management, Statistics, Liaison with the SCM, Tasks of association, ...

**SECURITY**  
User groupware, Rights management, Encryption, ...

**BATCH BUILD**

**STATIC AUDIT**

**AUTOMATED TESTS**

**MULTI-PROJECTS SEARCH**

**CONTINUOUS INTEGRATION**

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## DEPLOYMENT

**Standard setup**

**Store**

**Push setup**

**Live Update**  
Http/Network

## 6 - EXPLOITATION



**TELEMETRY**  
Collection and statistics use, configuration, events ...



**DYNAMIC AUDIT**



**MONITORING ROBOT**



**PROFILING**



**GENERATOR OF REPORTS AND QUERIES**



**DUMP DEBUGGING**

**CONTROL CENTER :**

- APPLICATIONS

- FEEDBACK

## 4 GENERATION

**CLOUD COMPUTING**  
Webservices generation and use, SOA, Saas, SQL Azure, ...

**MOBILE**  
Android, Windows Mobile/CE, iOS (iPhone and iPad), Apple Watch, Industrials devices, ...

**JAVA**  
Windows, Linux, Mac

**.NET**

**PHP**

**WINDOWS, LINUX,**  
32 et 64 bits, JIT, service, Windows RT, ...

**COMPONENTS**

**WEBSERVICES**

**WEB 2.0. HTML 5**  
AWP, AJAX, Mashup, ...

