Information Integration among Heterogeneous and Autonomous Applications

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List of Abbreviations

ADO: ActiveX Data Object
API: Application Programming Interface
BLOB: Binary Large Object
CDM: Common Data Model
CGI: Common Gateway Interface
COMCOL: Communication and Collaboration Layer
CORBA: Common Object Request Broker Architecture
DBA: Database Administrator
DBT: Data Browsing Tool
DC: Dublin Core
DCMI: Dublin Core Meta-data Initiative
DIMS: Distributed Information Management System
DLL: Dynamic Link Library
DTD: Data Type Definition
EC: Electronic Commerce
ER: Entity Relationship
EXP: Export Schema
FL: Federated Layer
FDBMS: Federated Database Management System
FRS: Federated Resources Specifications
FQP: Federated Query Processing
GF12S: Generic and Flexile Information Integration System
IDL: Interface Definition Language
IIS: Internet Information Server
IMP: Import Schema
INT: Integrated Schema
IPR: Intellectual Property Rights
JDBC: Java Database Connectivity
**LIST OF ABBREVIATIONS**

- **LAL**: Local Adaptation Layer
- **LAN**: Local Area Network
- **LOC**: Local Schema
- **LRS**: Local Resources Specifications
- **MACS**: Material Analysis for Complex Surfaces
- **NFL**: Node Federation Layer
- **ODBC**: Open Database Connectivity
- **ODBMS**: Object Database Management Systems
- **ODL**: Object Definition Language
- **ODMG**: Object Database Management Group
- **OIF**: Object Interchange Format
- **OLAP**: On Line Analysis Processing
- **OLE-DB**: Object Linking and Embedding for Databases
- **OMT**: Object Modeling Technique
- **OQL**: Object Query Language
- **ORDBMS**: Object-Relational Database Management Systems
- **RDBMS**: Relational Database Management Systems
- **RMI**: Remote Method Invocation
- **SDDL**: Schema Definition and Derivation Language
- **SMT**: Schema Manipulation Tool
- **SQL**: Structured Query Language
- **SQL/CLI**: SQL Call-Level Interface
- **SQL/PSM**: SQL Persistent, Stored Modules
- **STEP**: Standard for the Exchange of Product Model Data
- **UML**: Unified Modeling Language
- **UDBA**: Universal DataBase Access Interface
- **VIMCO**: Virtual-laboratory Information Management for COoperation
- **ViSE**: Virtual Simulation and Exploration
- **VL**: Virtual Laboratory
- **VLAM-G**: Grid-based Virtual Laboratory Amsterdam
- **VL-e**: Virtual Laboratory for Experimental Science
- **XML**: eXtensible Markup Language
- **WAN**: Wide Area Network