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 Flexible 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
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