

- Real-time, event-driven, and continuous processing
- Access legacy data, unstructured data
- Rich data connectivity
- Web-based management console

Pervasive Data Integrator

Pervasive® Data Integrator™ provides a fast, easy, and affordable way to aggregate data from multiple information sources into core applications or data stores for in-depth business analysis. Ideal for both large-scale production systems and smaller, project-oriented data movement tasks, Pervasive Data Integrator enables users to access virtually any data (including unstructured data), transform it, and then load it into operational data sources, data warehouses, data marts, or other target systems. With Pervasive Data Integrator in place, organizations have a flexible solution that can automate any data movement task on an event-driven or regularly scheduled basis, improve data services and integrate B2B gateways.

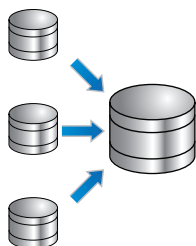


PERVASIVE
Data Integrator™

INTEGRATION SCENARIO 1: Scalable ETL

Pervasive Data Integrator enables the developer to quickly define and economically maintain automated Extract, Transform and Load (ETL) jobs that underpin production systems. Fully automating data access and transformation processes, Pervasive Data Integrator solves tactical ETL projects quickly and easily.

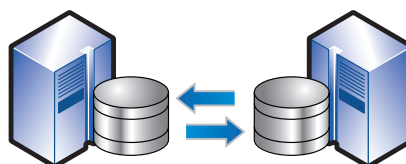
- Logging/rollback feature that allows rollback in the event a process ends unexpectedly
- “Upsert” capabilities that speed efficiencies when inserting/updating data during high-speed operations
- Multi-threaded Integration Engines for scaling large data loads across multiple CPUs within narrow timeframes
- Distributed integration option that allows integration processes to reside at the points of integration, thereby creating a scalable and flexible integration infrastructure
- Complete rules definition for complex data aggregation and transformation, including updates to multiple targets in one pass
- Connectivity to all major enterprise databases and bulk loaders
- Integration of data from legacy systems



INTEGRATION SCENARIO 2: Real-Time Data Integration

Pervasive Data Integrator provides the developer with a set of easy-to-learn graphical tools that are ideal for rapid design and maintenance of transaction processes that move data from one format to another.

- Integration of data from multiple applications and operational data stores
- A single tool set for managing nearly any data integration project
- Easy-to-learn and simple-to-use mapping interface that shortens the learning curve and reduces overall project cost
- Quick-hitting design environment ideal for tactical or project-based data migration and conversion jobs
- Ability to access and integrate structured data from ISAM databases, including unstructured data sources such as email and electronic reports
- Ability to handle the most complex transformation requirements without requiring a user exit to call external code
- Support for the design and packaging of multi-step processes for automated execution by the Pervasive Integration Engine



“Based on initial success in our French operations, we deployed Pervasive integration in our European central operations in Belgium to give us automated integration between our tracking applications and customs agencies in 14 countries across Europe. With the extensibility and sophisticated GUI-based mapping capabilities that Pervasive provides, our developers have been able to rapidly and effectively create complex maps and adjust them quickly as change occurs in our highly dynamic environment. Pervasive Data Integrator has given us huge productivity gains in development, testing and deployment for applications that track hundreds of thousands of packages per week.”

Lieven Muys
Project Manager
Federal Express International

“Pervasive Data Integrator is a cost-effective, end-to-end adaptable solution with the extensibility to meet both current and future needs in our production capacity optimization operations. By integrating our historical and real-time data, we are able to cope better with risks, forecast trends, continuously apply what we learn to improve future results and quickly take advantage of market opportunities. In choosing Pervasive integration, we were looking to the future – how it would potentially support a much bigger infrastructure. Now we can identify the source of problems quicker and launch tools to diagnose and quickly resolve the problem.”

Ron Reid
Applications Manager
American Air Liquide

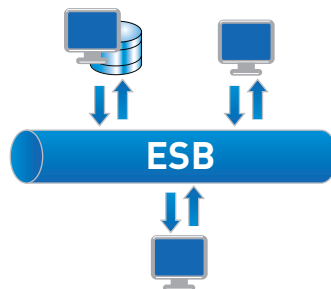
“We needed multiple levels of integration from the SAP data to Salesforce including a full transfer of more than 18,700 Zimmer products and 74,000 invoices related to some 950 accounts, which must then be updated on a regular basis. Pervasive’s flexible and scalable integration infrastructure allows us to leverage our existing legacy implementation and reap the benefits of Salesforce. With Pervasive and Salesforce, we now have the capability to update our system daily and ensure our sales force has the tools they need to complete sales transactions.”

Oliver Sieber
Project Manager
Zimmer Switzerland

INTEGRATION SCENARIO 3: SOA Data Services

Widely used as an extensible data service for message-driven ESB and SOA environments, Pervasive Data Integrator development enables the developer to quickly define and orchestrate message processing and routing between applications.

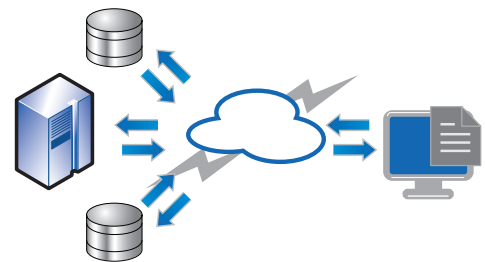
- Rich data connectivity enabling information flow between a wide range of enterprise applications, including connectors for SAP and other major ERP systems
- More than 150 connectors with options for multi-table and mass insert to a wide range of enterprise class applications and databases including Oracle, DB2, Sybase, and SQL Server
- Remote invocation of integration processes using Web Services, JCA, Message-Driven Bean, and Java API standards
- Java component framework, providing developers with high extensibility
- Process Designer infrastructure supporting Websphere MQ Series, MSMQ, and any JMS-compliant queue
- Real-time, event-driven, and continuous processing
- Distributed integration model that allows integration processes to reside at the points of integration, thereby creating a scalable and flexible integration infrastructure for use in ESB or SOA projects
- Validation of messages cycling between applications
- In-memory handling of data objects and messages enabling high-performance processing
- Web-based management console support using Pervasive Integration Manager™



INTEGRATION SCENARIO 4: Integrating B2B Gateways

Pervasive Data Integrator fully supports the rapid design and maintenance of processes that translate electronic documents and manage their flow among information systems, including systems of trading partners.

- Sophisticated message processing that allows electronic documents to be quickly read, validated, and transformed according to the process design
- Master schema available for X12 EDI, EDIFACT, FIX, SWIFT, HIPAA, and others
- Rich connectivity to applications and databases, industry trade standards, and any XML format
- Popular messaging queue and file folder queue for real-time processing, as well as FTP queue “listening” for data arrival
- Process Designer enables message integration for continuous and scheduled document retrieval from file and FTP folders
- Document Schema Designer simplifies modification of standard schema to match requirements defined by trading partner agreements



Summary

Whether designing integration processes for data warehouse loading or for simply converting data between formats, Pervasive Data Integrator includes numerous foundation features that simplify the creation and management of flexible integration solutions.

Process Designer

- Graphical process flow design environment
- Drag-and-drop creation of complex, multi-step workflows
- Initiation and interaction with external applications and business processes
- Streamlined component configuration with properties grid
- Support for Message Component Framework

Map Designer

- Drag-and-drop graphical user interface for mapping and transformations
- Wizards for easier field mapping
- Immediate testing and debugging of transformations
- Event-driven transformation model that gives flexibility for handling any transformation requirement
- Rich facilities for error-logging, record reject, transformation, and execution flow-control
- Mapping and transformation of multi-record type data
- Access to data—including XML and text—over HTTP/HTTPS, TCP, and FTP
- Reusable, component-based integration design

Schema Designers

- Ability to capture and define schema from a wide variety of sources: standard database schema, unstructured data sets, electronic messages (standards based messages such as EDI or SWIFT), online reports, email, or other unstructured documents
- Creation of schematic definitions for binary formats

Integration Repository

- Open XML-based repository for storing design metadata with ability to check in/out of a source code control system
- Repository Manager to conduct impact analysis on metadata modifications

Message Handling

- Plug-ins are provided for email, JDBC store procedures, dynamic mapping and more.
- Framework for adding message component plug-ins built in Java
- Ability to connect to new message-based queues
- Components automatically recognized by Process Designer for reuse

Rapid Integration Flow Language (RiFL)

- More than 150 pre-built functions with wizards to aid expression building for transforming data
- RiFL availability throughout development environment for complete control of integration process
- Name and address parsing and scrubbing, along with table-driven address cleansing

Adapters

- More than 150 direct data connectors for introspection and integration of most data sources and targets
- Health Care Connector bundle (includes HIPAA, HL7, HCFA 1500, and UB-92 connectors)
- Salesforce, Oracle CRM On Demand, Microsoft Dynamics, Sage CRM SalesLogix connectors
- EDI Connector bundle (includes EDI, EDIFACT, and TRADACOM connectors)
- SAP BAPI, RFC, IDoc support

Integration Services/Automation

Integration Engine

- SMP support for scaling large data load processing across multiple CPUs
- Data as a service
- Command line interface and Java, COM, and C APIs
- Small footprint – readily embeddable in third party applications
- Invocation and deployment of integration processes using Web Services standards, including SOAP and WSDL
- Direct integration of applications using the provided JCA Resource Adapter, Message Driven Beans, Java, or C APIs

Specifications

Design-Time Platforms:

- Windows XP/2003/Vista

Production Platforms:

- Windows XP/2003/Vista
- Linux, Solaris, HP-UX, AIX

Comprehensive Connectivity

Pervasive connectors enable rapid access to heterogeneous data. A comprehensive set of 150+ connectors allows a broad range of seamless connectivity to file systems, databases, message buses, EDI networks, Web-enabled applications, business applications and industry-standard protocols on numerous platforms. Also included is Pervasive's unique capability to process non-relational and semi-structured content buried in most companies.

File

Access Access 97 Access 2000 Access XP Alpha Four ASCII (Delimited) ASCII (Delimited) Join ASCII (Fixed)	Clarion Clipper CLF Webserver DataEase DataFlex DJ Document Schemas DJ Log File Data dBASE II, III (III+)	dBASE IV dBASE V (IDAPI) Dialog DIF Enable Excel 95, 97 Excel 2000 Excel XP	Folio Flat File Foxbase FoxPro LDIF Lotus 1-2-3 Lotus Notes Lotus Notes 5 Lotus Notes Structured Text	Lotus Works Mac ASCII Delimited Magic PC MAILERS+4 (dBASE) Microsoft Word (Mail Merge) Paradox v5 (IDAPI) Quattro Pro Windows v5 Rich Text Format (RTF)	Unicode (Delimited) Unicode (Fixed) WordPerfect 6.0 (Mail Merge) Wordstar (Mail Merge) WordPerfect 4.2/5.0 Visual FoxPro Visual dBASE 5.5
---	--	--	--	--	---

Database

Oracle 7.x Oracle 8.x Oracle 8.x Multimode Oracle 9i Oracle 9i Multimode Oracle 10g Oracle Direct Path Oracle SQL Loader Pervasive.SQL Pervasive.SQL v8 Pervasive.SQL v8 Multimode Pervasive PSQL v9 Pervasive PSQL v10 PostgreSQL PostgreSQL (ODBC 3.x)	Btrieve v5 Btrieve v6 Btrieve v7 Btrieve v8 CA dB-Fast C-ISAM Cloudscape CWM DB2 7.2 Univ. DB DB2 7.2 Univ. DB Multimode DB2 Loader DB2 UDB Mass Insert DB2 (ODBC) DB2 Univ. DB DB2 Univ. DB Multimode	eXcelon eXcelon XIS 3.0 Hitachi Hi-RDB IDAPI Informix DB Loader Informix (ODBC) Informix Online DS Informix/SE Ingres (ODBC 3.x) Interbase(IDAPI) JDBC MUMPS (ODBC) MySQL NonStop SQL/MX ODBC 3.x	ODBC 3.x Mass Insert ODBC 3.x Multimode ODBC 3.5 ODBC 3.5 Multimode RBase 4.5 (ODBC) Red Brick Scalable SQL SQLBase SQL Script SQL Server 6.x SQL Server 7 Mass Insert SQL Server 7 (OLEDB) Multimode SQL Server 7 (OLEDB) SQL Server 2000	SQL Server 2000 Mass Insert SQL Server 2000 Multimode SQL Server 2005 SQL Server 2005 Mass Insert SQL Server 2005 Multimode SQL Server BCP SQL Server Mass Insert SQL Server (ODBC) Sybase 11.x Sybase 11.x Mass Insert Sybase 11.x Multimode Sybase 12.x Sybase 12.x Mass Insert Sybase 12.x Multimode Sybase BCP	Sybase (ODBC) Sybase SQL Anywhere Sybase SQL Anywhere 6 Sybase SQL Mass Insert Sybase SQL 11 Sybase SQL 11 Multimode Teradata (Fastload) Velocis (ODBC 3.x) Watcom SQL v5 Watcom SQL (ODBC)
--	--	---	--	--	--

Application

AccountMate ACTI for Windows ADABAS (NatQuery) Apache CLF Champion Acct. CYMA Acct. GoldMine	Great Plains DOS Great Plains UNIX/Mac Navision Financials Macola Acct. Market Force Microsoft Dynamics CRM Microsoft IIS ELF	NetSuite Oracle Applications Oracle Siebel CRM On Demand PayChex DJF Peachtree Acct. Personal Librarian	Platinum Acct. RealWorld Acct. Remedy ARS Sage CRM SalesLogix 7.0 Sales Ally Salesforce SAP IDoc	SAP BAPI SAS SBT Acct. Solomon Acct. SPLUS SPSS Statistica	SYSTAT USMARC
--	---	---	--	--	------------------

Technology

BizTalk XML Email Email Attachments Erwin FF Queue File Transfer Builder	File Folder FTP HTTP HTTPS HTML JMS	LDAP MSMQ (Extractor) MSMQ (Fixed ASCII) MSMQ (XML) MQSeries (Extractor) MQSeries (Fixed ASCII)	MQSeries (XML) Oracle AQ Oracle BPEL Progress Sonic ESB SGML SOAP	TCP/IP URL URI WebSphere XML XML Schema	XML DTD XML XDR
---	--	--	--	--	--------------------

Legacy

ACUCOBOL (ODBC 3.x) ACUCOBOL-GT v7 BAF Binary	Binary Line Sequential COBOL 01 COBOL Copybook COBOL Flat File	C-tree Plus C-tree 4.3 Fujitsu COBOL ISAM	Micro Focus COBOL QSAM Sequential Binary Tape Drive Sequential	VSAM Variable Sequential (MVS) Variable Sequential (Record-V UniKix)	Variable Sequential (SyncSort) Variable Sequential (User Defined)
--	---	--	---	---	--

B2B

ACORD EDI (EDIFACT) EDI (X12)	HCFA 1500-NSF HIPAA HL7	HR-XML MIB NCPDP	NSF SWIFT Text (Delimited - EDI)	Text (Delimited - EDIFACT) Text (Delimited - HL7) TRADACOM	UB92-NSF
-------------------------------------	-------------------------------	------------------------	--	--	----------

About Pervasive Software

Pervasive Software provides embeddable data integration software that speeds the flow of data between applications and between organizations. Our robust technology and over 20 years of data integration expertise allow customers to re-use the same software for integration scenarios that span data warehouses, real-time application integration and data exchange with trading partners.

Contact Us

www.pervasive.com
1-800-287-4383 (North America)
1-512-231-6000 (Main Office)
+32-70-23-37-61 (Europe)

For other international contacts, please visit
www.pervasive.com/company/contact/index.asp