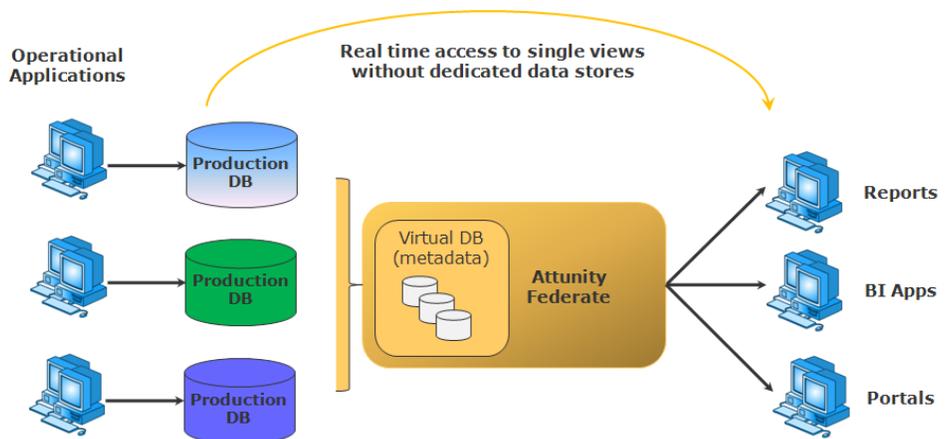Attunity Federate provides Enterprise Information Integration. Based on virtual data federation technology, it allows the creation of single views of information across heterogeneous data sources.

"We needed a virtual view that joins data from multiple sources and for it to perform well. We threw our worst at Attunity Connect, and it just wouldn't break."

Valassis

Benefits

- Decouple applications from data sources using a virtual insulation layer

- Serve users with a 360° single view of enterprise information (e.g. customer)

- Provide simplified data models for business users

- Reduce data redundancy

- Use real-time operational data

- Improve business insight by integrating operational and historical (DW) information

Enterprise Information Integration

Attunity Federate provides Enterprise Information Integration (EII) across heterogeneous data sources. Using Attunity Federate, companies can create single views of business information (e.g. single customer view), make it simple for business users to access information in multiple data silos with virtual data models, complement data warehouses with real-time access to operational data stores, and guarantee data integrity with distributed transaction management.

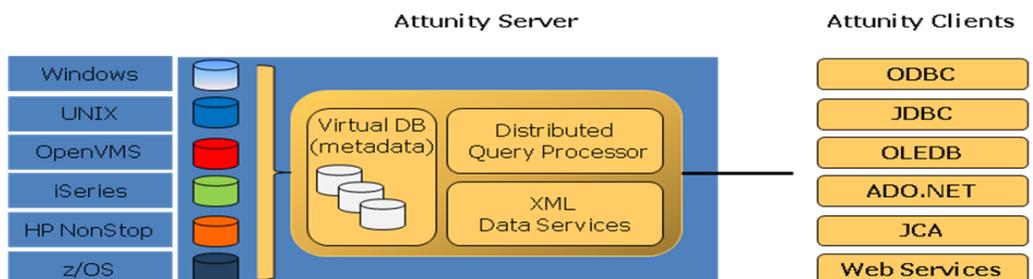With Attunity Federate, you can:

- Access tables from disparate data sources as if they are part of a single catalog
- Run distributed queries that span multiple data sources
- Define single views of enterprise data

Attunity Federate joins heterogeneous data sources to make them available as a virtual data layer. Attunity Federate uses distributed query optimization and processing engines that reside natively on enterprise data servers to provide superior performance, security, and transaction management. Attunity Federate leverages Attunity Connect adapters to access any data source in the enterprise.

Attunity Federate

CONTACT ATTUNITY

North America
T: +1 781 328 0960
866-288-8648
sales@attunity.com

Europe, Middle East & Africa
T: +44(0) 1344 742 805
info-uk@attunity.com

Asia Pacific
T: + (852) 2756 9233
info-hk@attunity.com

Attunity Federate Components

Distributed Federation Engine

Attunity's Federation Engine provides distributed query processing using a peer-to-peer network of processors that reside natively on enterprise data servers. Processing queries on the data server improves performance, especially on mainframe systems that typically store multiple types of data source with large data volumes. The Federation Engine includes a Distributed Query Optimizer that optimizes incoming requests for greater performance and reduced network traffic.

Distributed Transaction Manager

Attunity provides transactional support to guarantee integrity when making changes to multiple data sources. Client applications that work with Attunity Federate view a unified catalog of tables from multiple data sources and can create transactions that span across data source boundaries.

SQL and XML Interfaces

These Attunity interfaces ensure universal connectivity. Data processing applications can use ODBC, JDBC, ADO, or ADO .NET to seamlessly access virtual databases. Service-oriented applications can use XML with Web Services (SOAP, WSDL), JCA, .NET and even 3GL APIs. With this comprehensive support for standard interfaces, Attunity supports any potential consumer of virtual data federation.

Metadata Management

The Attunity Metadata Repository houses metadata definitions for physical and virtual data sources, as well as XML data services. Users can define federated databases joining tables from heterogeneous data sources into an integrated data model. Segmented databases can be defined as a union of multiple instances of the same database, making it accessible as a single data store. XML Data Services provide further encapsulation and abstraction of the enterprise data layer by defining virtual XML-based services for accessing and manipulating data sources.

Attunity Studio

The Attunity Studio is a GUI for configuring and managing the entire Attunity product line. Graphical and wizard-based, the Attunity Studio provides a productive environment for defining metadata, configuring adapters, deploying the solution, and managing it in production. The Attunity Studio provides a single console to any Attunity Server installed throughout the enterprise.

Comprehensive Data Source Support:

Relational	Non Relational	Applications	Platforms
DB2	Adabas	COBOL	OS/390, z/OS
DB2/400	Delimited text	CICS	AS/400
DBMS	C/D ISAM	IMS/TM	HP NonStop
Informix	Enscribe	RPG	OpenVMS
Ingres	Flat Files	Pathway	UNIX
Oracle	IMS/DB	Tuxedo	Linux
Oracle Rdb	RMS	Any 3GL	Windows
SQL/MP	QSAM		
SQL Server	VSAM		
Sybase			