

# Attunity Connect for IMS/DB A Standard Data Connectivity Solution

**Attunity Connect for IMS provides standards-based access to IMS databases. With Attunity Connect, companies can seamlessly use IMS information in portals, reports, web applications, and web services.**

## Benefits:

- Simplify data access
- Accelerate integration projects
- Reduce implementation risk
- Reduce the cost of ownership
- Universal access enables to re-purpose data for a any application
- Maximize the utilization of existing legacy systems
- Increase ROI with support for multiple IT initiatives with a single solution

## ***Standard data access using SQL and XML***

Enterprises have invested in IMS over the years, using it to store and manage valuable business information. With that investment, companies keep looking for additional ways to leverage and re-purpose their data for new business initiatives such as:

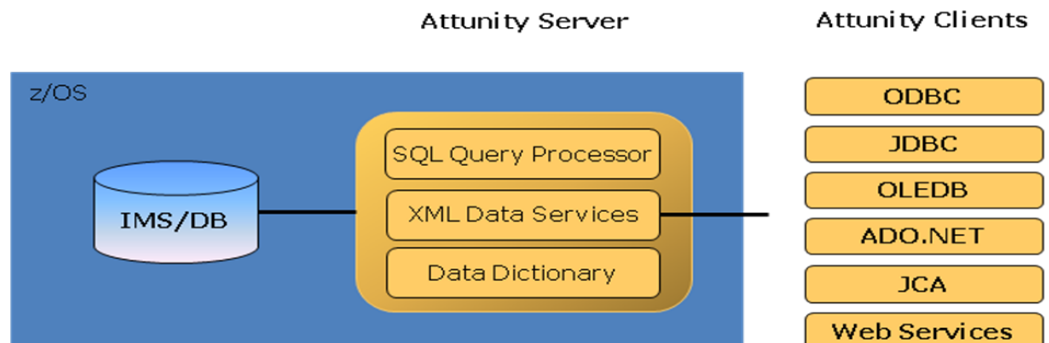
- Business intelligence (BI) and data warehousing (DW)
- Data integration and synchronization
- Application integration (EAI) and SOA
- Enterprise portals
- Legacy modernization

While IMS' proprietary structure has contributed to its performance, it has also made it difficult to interoperate with. This is a challenge when re-using data in the various applications, technologies, and platforms used by large enterprises.

**Universal Data Access** addresses these issues by providing seamless access to data using standards-based interfaces. **Attunity Connect for IMS/DB** provides standards-based data access, allowing applications to access IMS data using SQL queries and XML interactions. Attunity's interfaces can be used by applications on any computing environment including .NET, Java/J2EE and legacy 3GL, providing a single solution for universal data access and connectivity to your IMS resources. Attunity Connect for IMS provides:

- ODBC Driver for IMS/DB
- JDBC Driver for IMS/DB
- OLE DB Provider for IMS/DB
- ADO.NET Provider for IMS/DB
- JCA Resource Adapter for IMS/DB
- XML and Web Service Adapter for IMS/DB

## **Attunity Connect for IMS**



### Key Capabilities:

- Standard ANSI SQL support for IMS data access
- Defines a relational data model for IMS/DB
- Read and write support
- Transaction support
- Query governing
- Define XML data services
- Ease of use – no coding required. Wizard-based configuration

### Supported IMS Configurations:

- Batch access (DLI)
- Transactional access under CICS
- Transactional access under IMS/TM

### Supported IMS versions:

- Attunity Connect supports IMS versions 6.1, 7.1, 8.1, and 9.1.

### CONTACT ATTUNITY

#### North America

T: +1 781 328 0960  
866-288-8648  
[sales@attunity.com](mailto:sales@attunity.com)

#### Europe, Middle East & Africa

T: 44(0) 1344 742 805  
[info-uk@attunity.com](mailto:info-uk@attunity.com)

#### Asia Pacific

T: + (852) 2756 9233  
[info-hk@attunity.com](mailto:info-hk@attunity.com)

## Components of Attunity Connect for IMS/DB

### IMS/DB Driver and Metadata

The Attunity driver is a software component responsible for interoperating with IMS databases and performing read and write operations efficiently. The metadata is used for defining a relational metadata model for IMS that provides the foundation for SQL processing.

### SQL Query Processor

The SQL Query Processor takes care of processing incoming SQL requests in an efficient manner and supports ANSI-92 SQL, making IMS appear as a relational database.

### XML Database Services (Database Adapter)

The component allows the definition of data services that perform read or update operations on IMS and other data sources. These virtual services are based on SQL operations and automatically define XML interactions in support of a service-oriented architecture (SOA).

### Standard Client Interfaces (SQL, XML, Web Services)

Attunity Connect provides a set of thin clients that provide universal connectivity and allow any application to access IMS. This includes SQL-based interfaces including ODBC, JDBC, and ADO.NET as well as interaction-oriented interfaces for Java (JCA) and .NET.

### Attunity Studio

Attunity Studio is a GUI for configuring and managing Attunity Connect. Graphical and wizard-based, the Attunity Studio provides a productive environment for configuring IMS data access, deploying solutions, and managing them in production.

## Robust IMS and Mainframe Support

Attunity Connect for IMS provides supports for IMS features including:

- Import IMS metadata from DBD, PSB, and COBOL copybooks
- Support variety of lower level access methods including HIDAM, HDAM, HISAM, HSAM
- Built-in hierarchical joins for parent-child relationships across IMS segments
- Native security, supporting RACF, ACF2, TopSecret
- Support for IMS Change Data Capture (available separately by Attunity Stream)