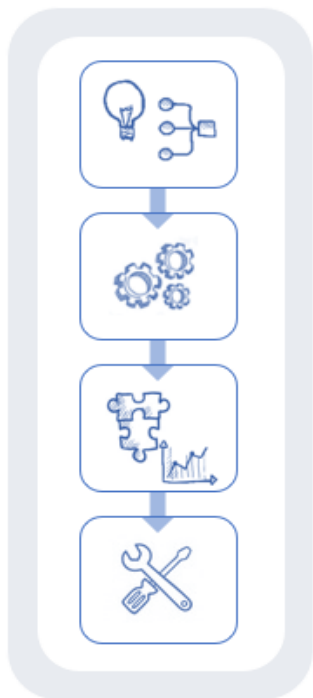# DATA & APPLICATION INTEGRATION SERVICES

Access Your Data for Better Business

Aspect can help you maximize the efficiency of your day-to-day business operations, give you greater insight and access to your data, while helping you to lower your operational costs.

Components of a Successful Data & Application Integration Platform
Fully Scalable Architecture...Centralized, Integrated Data…Managed Operations

We do the heavy lifting, loading, validating, and standardizing your data. The result is centralized, integrate, cleansed data to support your applications and reporting that you use to conduct day-to-day business operations. In addition, Aspect can serve as your operational service provider and perform key processing and analytical activities, making your organization compliant, efficient, and cost effective.

- **Determine Your Data Integration Needs**

  We work with you to identify your data sources, choose the most effective platform that aligns with your technology direction, and help you choose the infrastructure hosting configuration that works best for your business. We utilize a phased approach, focusing on centralizing data associated with the processes with the highest business impact first.

- **Design Efficient ETL Processing**

  We utilize a reusable load framework that is flexible and scalable, and incrementally build the load processing needed to store your most critical data. Our Data Architects have best practice knowledge and experience across a wide variety of ETL technologies (SSIS, Informatica, DataStage).

- **Implement Efficient Architecture**

  We validate data as it is loaded from each data source, using smart logic to detect, match and merge exceptions with the correct master entity record. We store data in structures designed for efficient retrieval and upload to downstream applications or BI toolsets like QlikView and Tableau.

- **Provide Ongoing Support**

  We support the integrated data environment going forward, troubleshooting and remediating data validation, vendor or infrastructure issues.

Key Advantages

Integrated Data Streamlines Operations • Improved Analytical Capabilities • Reduced Infrastructure and Resource Costs
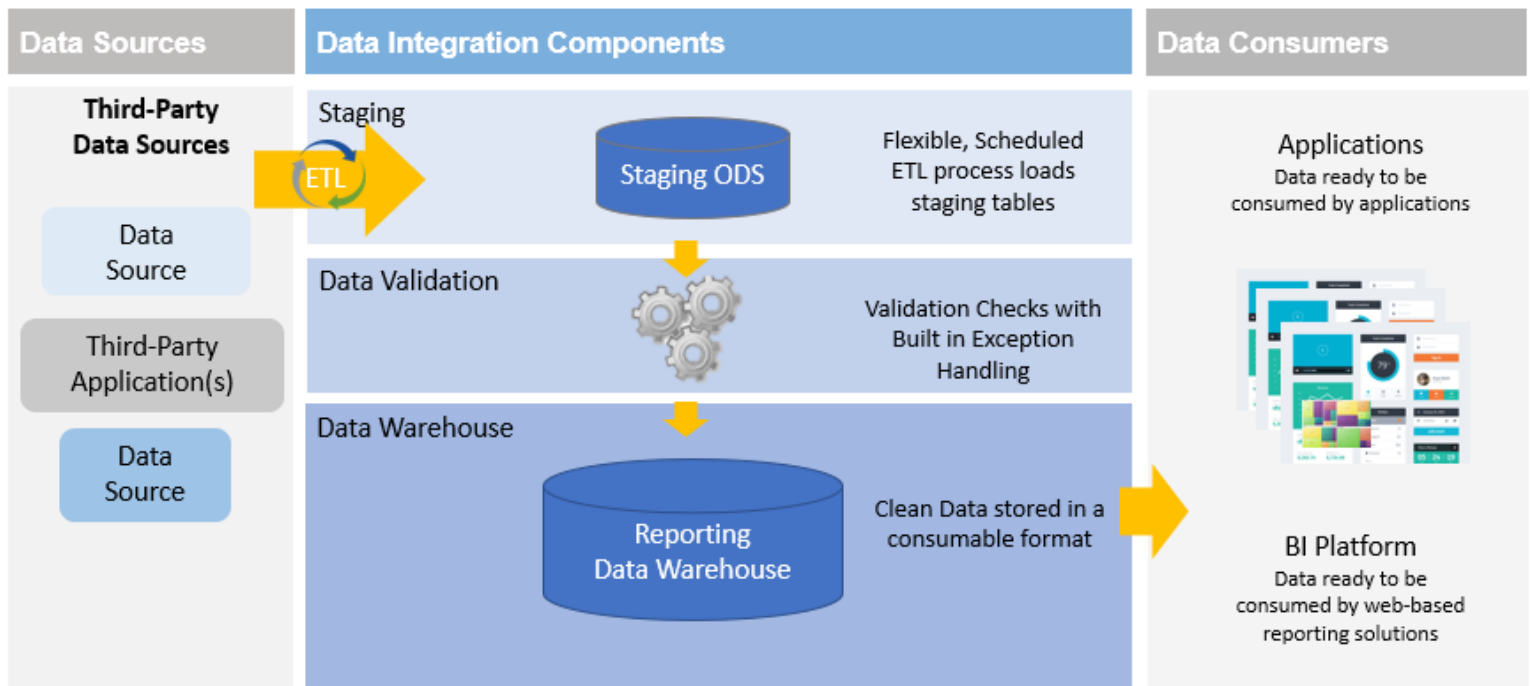
A Complete Picture
Resulting in Reduced Effort and Increased Efficiency

Aspect utilizes a fully scalable reusable data load infrastructure to put all the data you need to perform your day to day operations in your hands. Framework components validate and standardize your data.

Data can be hosted in a secure cloud, reducing your infrastructure needs, but fully owned and available to you, or reside on premise. We help you choose the right hosting configuration to meet your business needs.

BI reporting and operational support service offerings complete the picture, helping you reduce costs and increase efficiency.

Data Sources	Data Integration Components	Data Consumers

Third-Party Data Sources

- Data Source
- Third-Party Application(s)
- Data Source

Staging — ETL

Staging ODS — Flexible, Scheduled ETL process loads staging tables

Data Validation — Validation Checks with Built in Exception Handling

Data Warehouse — Reporting Data Warehouse — Clean Data stored in a consumable format

Applications — Data ready to be consumed by applications

BI Platform — Data ready to be consumed by web-based reporting solutions

Client Successes

Our goal is to implement solutions that provide our customers with a solid return on investment.
A sampling of our client's recent successes:

Centralized and Validated Payment Data

Aspect loads utilization data across multiple vendors and validates the data submitted, detecting any errors, such as duplicate or invalid records. Aspect produces the reporting required to successfully dispute financial claims, and extracts only cleansed data into a format consumable by the clients payment transaction system, saving millions.

Data Repository Sources Executive Report Dashboard

Utilizing the Aspect-designed automated, reusable data load framework, the client was able to centralize financial, sales, supply chain, and manufacturing quality info for improved executive insight, and eliminated the man hours necessary to produce reports. The client was able to redirect effort to more in-depth analytics rather than manual data gathering and report compilation.

Cloud-Hosted Sales Data Warehouse

Aspect utilized its framework to load all external and internally managed data needed for sales activities into one repository, with a master record for each entity, cross-referenced to multiple vendor IDs. The data load process automatically matches and merges records. and is maintained by Aspect. The result is customer and sales data cross-referenced across data sources, for improved reporting and operational insight.