

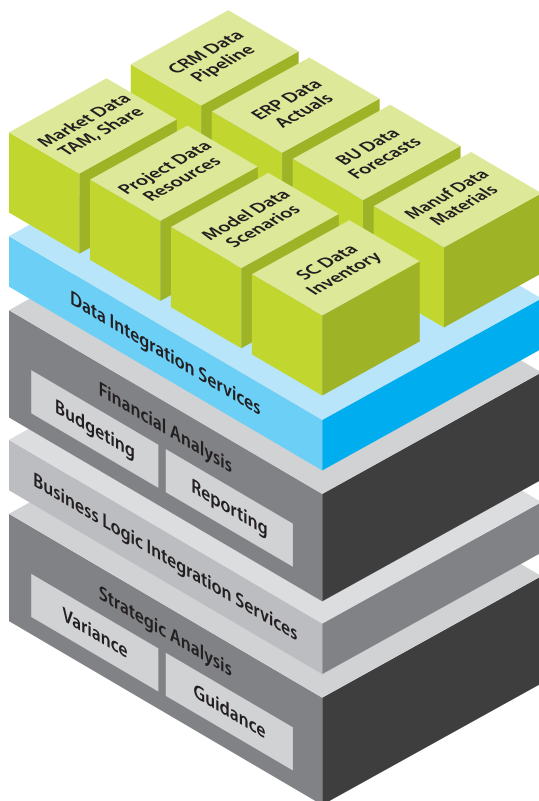
Agylytyx

Data Integration

The Agylytyx team benefits from the experience of dozens of enterprise data integration projects. The team leverages knowledge of common finance systems and warehouses to ensure rapid, quality results. By partnering with customer resources, Agylytyx personnel can usually make the Agylytyx Generator™ a fully integrated system of record in a company within two to four months. This guide explains the steps typically involved.

Step One: Requirements Gathering

The Agylytyx team starts any engagement by learning how to build mechanisms which automate the loading of data from source systems to the Agylytyx Generator. Enterprise Application Integration has been significantly simplified by the standardization of web services and schemata.



Example business application integrations.

During requirements gathering an integration specialist will identify all potential data sources required to support the total set of proposed Constructs. Typically, data sources are classified according to source system.

Work during the Requirements Gathering step generally includes:

- Documentation of all data required to support Constructs;
- Identification of systems or warehouses where required data is resident;
- Mapping of relevant data flows and timing;
- Itemization of data inventory by field name;
- Memorialization of existing network protocols;
- Logging of authentication sequences;
- Verification of access mechanisms and structures;
- Application of transformation and normalization procedures;
- Development of transformation rules;
- Configuration of T-SQL procedures, Data Integration Services Box, or an Enterprise Service Bus.

Step Two: System Architecture Documentation

The Agylytyx team will always carefully document the plan for building mechanisms which automate the loading of data from source systems to the Agylytyx Generator. During this step, all potential data integration mechanisms will be assessed, including direct database integration, vendor API's, Web service calls,



Typical datastore integrations.

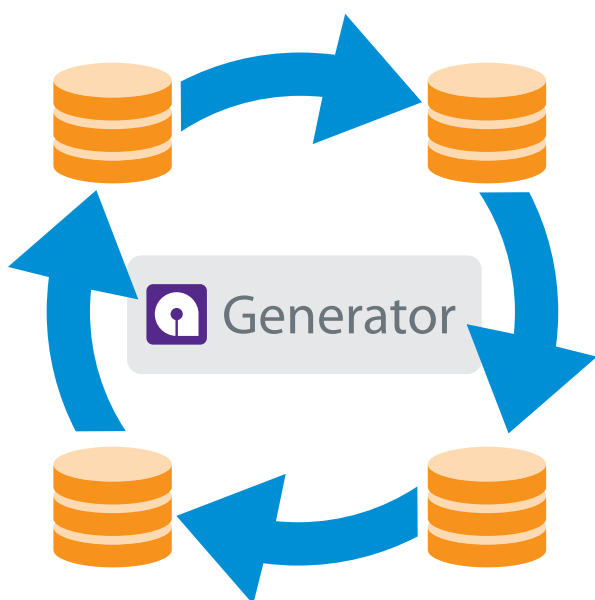
ETLs similar to data warehouse feeds, flat file extraction, and even spreadsheets or other manual mechanisms. A master architecture document will usually be created. This document typically identifies the data to be integrated, the point of origin, and the method of integration.

Work during the Architecture Documentation step generally includes:

- Documentation of transformation rules to load data;
- Identification of required line of business adapters;
- Design of data maps from systems directly or through EAI infrastructure;
- Finalization of scheduling and timing for data loads.

Step Three: Application Synchronization

The Aglytyx team works closely with customer personnel to ensure data referential integrity from source to target systems during the Application Synchronization step.



Successful data transformation can usually be verified by comparing queries from the data source with Aglytyx in order to ensure data equivalency.

During this step, the team's work usually includes:

- Application of data quality or hygiene rules;
- Testing procedures to evaluate data quality in the target system;
- Deployment of connectors, data transformation routines, and/or EAI infrastructure;
- Introduction of the integration solution into the production environment.

Step Four: Testing Support and Application Integrity Assurance

During the final implementation step, the Aglytyx team usually works very closely with the customer to understand and remediate issues identified during User Acceptance Testing (UAT). The remediation of identified issues is verified through internal testing and usually through an additional UAT cycle. Ensuring error-free application integrity is the mission of the Aglytyx team during this final step.

Work during this Step usually includes:

- Replication of issues identified in user acceptance testing;
- Logging and prioritization of issues identified;
- Remediation of issues effecting application integrity;
- Reintroduction of remediated issues for testing and verification.



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