

Datamart solution / professional services companies

A system of ETL processes for data aggregation from multiple sources. It builds a set of MS SSAS cubes to be consumed by various clients (Tableau, Excel etc.).

Overview _

Client:

Hybrid cloud data services company
> 10000 employees
USA

Business case:

- + Centralize distributed data sources
- + Speed up the reporting process at company level

Industry _

- + IT Services
- + Professional services
- + Office automation

Services _

- + Custom software development
- + Managed services

Project type _

- + Operations
- + ETL backend
- + Customer support

Technology _

- | | |
|--|-----------------------------|
| + SQL Server | + Splunk |
| + SQL SAS | + Pentaho |
| + SQL SIS | + Java |
| + Reporting Services | + Groovy |
| + NetApp | + Junit |
| + SnapManager for
Microsoft SQL
Server | + Jetty |
| + ETL | + Tomcat |
| + Tableau | + Jenkins |
| + Power BI | + Maven |
| + Excel | + Continuous
Integration |

Description _

We have developed a system of multiple ETL processes for data aggregation from multiple sources, while building a set of Microsoft SSAS cubes to be consumed by various clients like Tableau and Excel.

Challenges _

When addressing users with little or no expertise in BI, we were required to:

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- + Build a solution that's easy to understand and use.
- + Integrate structured and unstructured data from multiple different websites.
- + Provide intuitive access to information.
- + Provide valuable insights for business decisions in real time.

Solutions _

We met client's high expectations with a series of cross-technology solutions:

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- + Development of an online platform to centralize the system's analysis and reporting features.
- + Development of custom and configurable web crawlers to grab structured and unstructured data from different websites.
- + Integration of data received by email and RSS feeds.
- + Development of a series of ETL processes to build a data warehouse.
- + Development of Microsoft SSAS cubes.
- + Providing a comprehensive set of reports for DeltaMaster visualization and analysis tool.
- + Implementing a notification mechanism and an automatic newsletter generation and publishing.
- + Maintenance and support.