

## **Axalytics**

### *Overview*

Companies have been spending a lot of money for integrating a complete solution which can be used to generate a comprehensive & meaningful insight to help in decision making. Axalytics being a Business Intelligence tool is a blend of OLAP cubes+ Visualization which helps in extracting insights for better decision making.

Data visualization has become the de facto standard for modern business intelligence (BI).

Often when we seek to implement a business intelligence deployment we are faced with the question whether to OLAP or not. To explain what OLAP is, it's probably best to consider its history.

In the mid to late 90's business found it very difficult to query data out of their recently acquired relational databases transactions systems. Not only were these queries slow, but they simply weren't flexible enough to navigate the data. And even the best processors at the time would be blown away by your average laptop today.

Various vendors in the marketplace introduced proprietary solutions to address this, which ushered in the rise of OLAP.

One of the critical goals that the OLAP vendors strived to achieve is to minimize the amount of on the fly processing needed while the user was navigating the data. This was achieved by pre-processing and storing every possible combination of dimensions, measures and hierarchies before the user started his/her analysis.

This allowed the data to appear instantaneously when the user investigated the information. While the market has matured greatly and some standards have emerged, the data optimization methods of OLAP are fundamentally still the same.

Data Semantics Analytic Applications for ERP are packaged with operational & analytical reporting solutions *on OLAP* that provide line-of-business professionals with scorecards, decision trees, actionable, cross-functional insight drawn from information locked in the ERP.

This powerful business analysis analytical platform offers organizations an integrated view of performance across business functions, departments & stakeholders. With prebuild easy- to-consume dashboards and interactive reporting, business users at all levels can quickly get the insight they require, driving smarter decisions and outcomes better aligned with business strategy & easy to consume OLAP cubes.

A conventional problem that the enterprises face is the integration of more than one tool to get valuable data insight.

Axalytics can help you to get connected seamlessly to multiple ERP Solution instances deployed in your organization. The result is continuous & relevant for the group with multi-company & multi-currency setup, to provide a unified view of performance on *desktop & mobile*.

### **Why Axalytics is one of the full-fledged BI solutions available today?**

- Integration of Historic and Current Data from MS Dynamics ERP across various version
- Preconfigured ETL Jobs
- Prebuilt Meta Data Layer

- Prebuilt Reports (100 plus and growing), Dashboards (30 plus and growing)
- KPI's & business score-cards can be customized as required by the CXOs of the company
- Reports in different areas- Finance, Sales, Inventory, Purchase, Retail, and Manufacturing etc.
- Analysis Cubes that gives the ability to Slice and Dice data and look at it from different dimensions.
- Data Quality Services- to find anomalies in your data
- Master data management- to manage the critical data
- Financial consolidation
- Integration with other data platform like CRM & Salesforce
- Self-service BI for customized KPI's based on the client requirement.
- Pre-built analytical use cases

**Analytics solution can be used for the below-mentioned functions:**

### **Financial Management Analytics**

Provides a fast and efficient way to analyze financial transactions, manage relationships between subsidiaries and the parent organization, and manage internal cost accounting. Gain financial insight, help control expenditures and support the enforcement of accounting policies and rules.

Easily create organization hierarchies based on the financial dimension departments to view and report on your business from different perspectives.

### **Production Analytics**

Minimize lead times, fulfill customer demand, and manage your resources to get great efficiency from your discrete, process, and lean manufacturing operations. Use historical

data to optimize production process. Get insight on delivery dates, material demand, warehouse utilization and reduce costs.

### **Sales and Marketing Analytics**

Sales and marketing reports & dashboards deliver powerful, integrated customer, sales, and marketing data insights capabilities that can help your people build and strengthen customer relationships and increase sales.

### **Procurement and Sourcing Analytics**

Facilitate direct and indirect procurement data analysis of goods and services, and establish a centralized data mart with capabilities of slicing and dicing of data a various dimension level.

### **Supply-Chain Management Analytics**

Relying on traditional supply chain execution systems reports is becoming increasingly more difficult, with a mix of global operating systems, pricing pressures and ever-increasing customer expectations. Analytics in supply chain is a great use case to get a competitive advantage, because of its predefined KPI's, reports & dashboards and also because of the prominent role supply chain plays in a company's cost structure and profitability.

**Analytics also plays a vital role in various industries with its capabilities.**

### **Manufacturing**

Take advantage of a single, unified solution that includes the ability to run discrete, process, and lean manufacturing all at once. Use powerful horizontal applications such as production and supply chain management to modernize and grow your manufacturing business. Key business processes supporting manufacturing industries include:

- Discrete manufacturing

- Process manufacturing
- Lean manufacturing
- Multisite planning and manufacturing
- Shop floor management

## **Retail**

Today's retail landscape offers unprecedented opportunity even as it presents new challenges. Economic pressures, increasing choice in products and shopping formats, and unparalleled access to information are fueling today's empowered shoppers, who expect more from their retail experiences. Dynamic retailers drive retail across channels, locally or globally, with a single solution for store operations and back-office ERP, including the following capabilities:

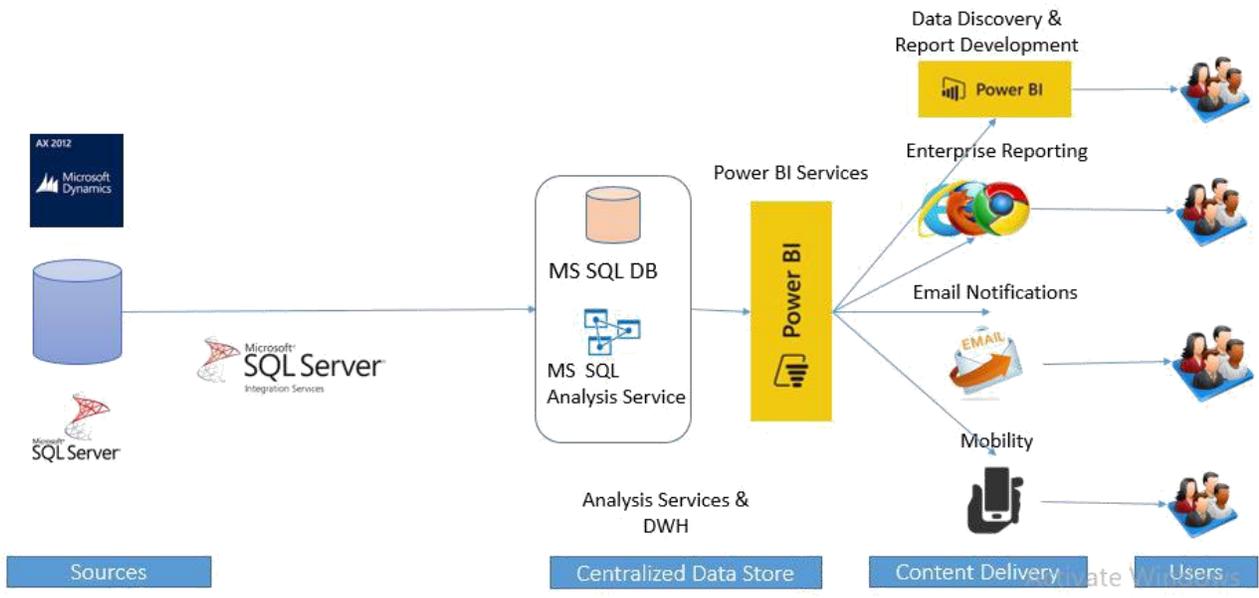
- Point-of-sale
- Multichannel management
- Store operations
- Merchandising

## **Distribution**

Support rapidly changing conditions in a business with global complexity. Microsoft Dynamics AX 2012 offers key capabilities such as supply chain management and multisite to allow you to scale your business quickly. Distribution-specific capabilities include:

- Warehouse management
- Supply chain planning
- Sales order management
- Product information management
- Procurement and sourcing

**Architecture:**



**Conclusion:**

Axalytics is an integrated solution with story-telling dashboards & industry standard KPI's which is set to reduce the complexity of handling multiple ERP solutions.

Axalytics addresses the challenges in ERP & Analytics at the same time. The combination of OLAP cubes+ Visualization gives companies clear results for effective decision making & the time taken to analysis reduces by 80-90%. With prebuild easy-to-consume dashboards and interactive reporting, business users at all levels can quickly get the insight they require, driving smarter decisions and outcomes better aligned with business strategy & easy to consume OLAP cubes.

