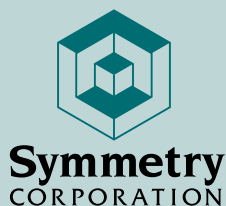## BI Framework™ for Software Vendors

Reduce development risk with automated BI code generation.

Forget the traditional custom development approach for adding analytics to your software application. Let the BI Framework do the work. The BI Framework combines flexible design and development tools for building and managing the analytics of your software application. No more fixed schemas or run time executables. Free up expensive programming resources for other projects and still comply with BI best practices.

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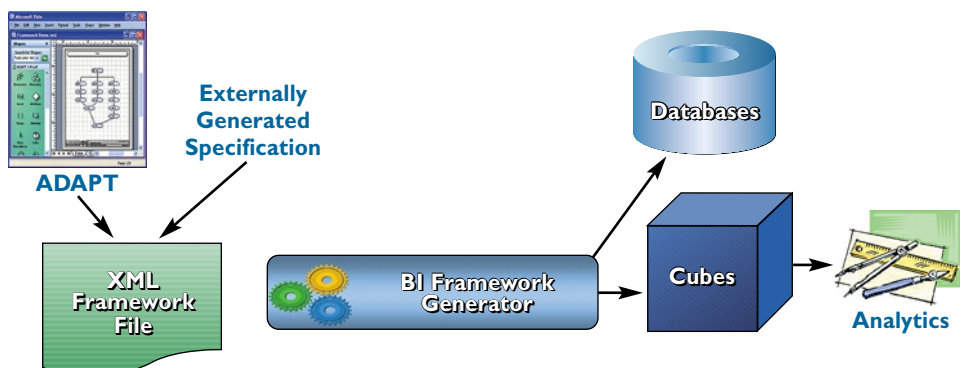
Customers Need Reliable Analytics

The bar is rising. Access to Business Intelligence (BI) analytics and tools are a requirement in today's competitive software application markets. With the BI Framework, you can add BI functionality to your software quicker than ever before. It's a powerful framework — you get over 1000 built-in standard performance metrics plus, a structured approach to creating and managing analytics.

Quality Requires Repeatable Processes

As an application provider, you have specific industry knowledge and experience. But when it comes to business intelligence, you need a platform that translates your knowledge into analytics your customers can use. Each customer is slightly different, requiring installation-specific modifications to reflect differences such as product groupings or geographical territories.

The BI component of your solution must be able to create a repeatable process that duplicates standard components across all of your customers. Moreover, you need to be able to look at customer-specific modifications and create specific solutions. Because the BI Framework takes a generator approach rather than a fixed schema approach, you can easily add BI to your application. You get the standard analytics required by your market with the ability to tailor your application to each customer.

Using either an externally generated specification from your existing software application or our design tool, ADAPT™, the BI Framework writes the application specifications to an XML file. Then using the XML file as input specifications, the BI Framework automatically generates relational and analytical databases, complete with built-in analytics and audit logs of meta and reference data to track application changes. And all as a structured, repeatable process that enforces standards for database design and BI best practices.

ADAPT → XML Framework File

Externally Generated Specification → XML Framework File

BI Framework Generator → Cubes → Analytics

Databases

Intelligent Framework

Makes The Difference

Built-in Analytics.

Guaranteed Intelligence.

Don't miss your free consultation.

Experience the difference for yourself.

The BI Framework starts the same place your customers do, with a business view of the data. And it offers these valuable benefits:

- **Reduces time to market.** Get your BI application to market fast. Generates standard BI application code so developers don't have to reinvent the wheel.

- **Saves time and money.** Requires fewer development resources and less development time.

- **Easy to support and maintain.** With built-in intelligence, you need less BI expertise and fewer QA resources.

- **BI best practices.** Enforces correct calculation order. Standard naming conventions. Consistent schema. Creates high quality BI applications.

- **Application integrity.** ETL resolves surrogate keys for dimension and fact tables. Built-in referential integrity in the schema.

- **Truly open and extensible.** All application code generated by the BI Framework is exposed. No hidden programs or routines.

- **Anticipates future business needs.** No need to start from scratch: using the Framework's flexible metadata structure, you simply customize the existing metadata to satisfy new customer requirements.

Commonly requested analytics are automatically generated by the BI Framework including:

- **Trend metrics** such as year-to-date, year ago, previous period, percent change, and variance over time, such as current period vs. same period last year.

- **Targets** based on performance goals such as budget and forecast, including different versions of scenarios.

- **Ranking** across multiple dimensions, including top and bottom reporting and tiling (quartiles, deciles, and percentiles). Unique reports for best and worst performers.

- **Time intelligence** for semi-additive measures such as headcount and inventory.

- **Currency conversion** tables and calculations for multiple currencies.

From start to finish, the BI Framework's proven methodology guides you through the process of adding BI analytics to your application. Moreover, it makes sure your code is high quality and easy to maintain so you have a sound structural foundation for ongoing enhancements.

Now you can work with a business intelligence technology leader. To learn more about Symmetry's capabilities and expertise, contact us at (415) 453-7966 or info@symcorp.com

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