

Semansys XBRL Component

Versatile API for business software vendors to enable creation of XBRL reports.

Basic functionality XBRL Component

- Is triggered by the business application to consume business data, mapping information and corresponding parameters
- Retrieves and consults the corresponding taxonomies
- Creates XBRL Instance report
- Provides status information to the business application
- Manages and secures the process

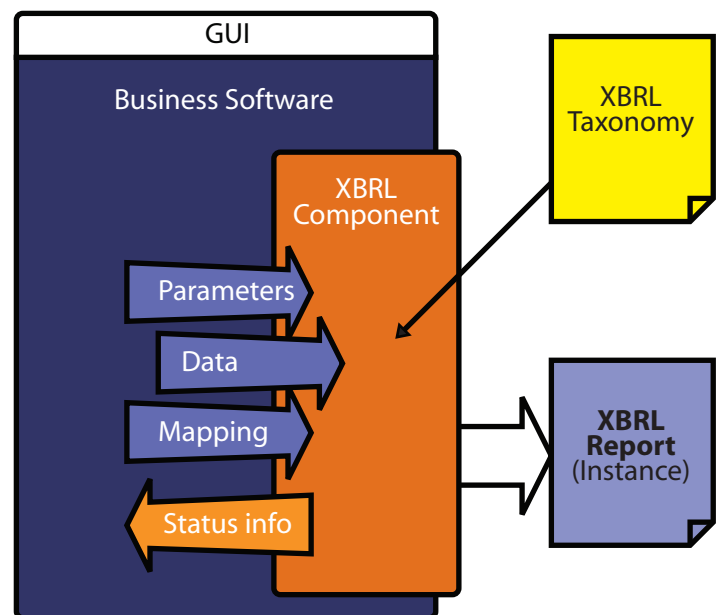
User benefits

- Hides complexity of XBRL
- Efficient creation of reports and filings
- No need to engage additional vendor
- Familiar user interface
- Low cost and future-proof solution

Semansys XBRL Component is the industry standard XBRL reporting engine. This API is used by vendors of business software around the globe to enhance their products with specific functionality for creating reports in XBRL format.

The XBRL Component is based on the technology that drives the entire XBRL suite of applications by Semansys Technologies and is therefore rich in functionality. Semansys has a long history in making XBRL work for users. That experience is translated into a robust software engine which is made available to any vendor of business software applications.

Don't try to master XBRL yourselves; use Semansys XBRL Component, and satisfy your demands quickly and easily.



Software vendor benefits

- No development effort needed
- Minimal XBRL knowledge required
- Small integration effort
- No changes in software applications
- Short time to market
- Minimal impact on license cost
- Meets current and future requirements
- No need to introduce new GUIs or vendors to clients
- Rich functionality

XBRL reporting functionality for business applications

XBRL is the global standard for digital business reporting. In the past years large corporations world wide as well as specific industries have implemented the standard. Now XBRL is main-stream, also the mid-sized and smaller companies and institutions are confronted with XBRL. Banks, industry regulators, tax authorities, chambers of commerce and statistics agencies are rapidly introducing this standard as preferred or even mandatory, and intermediaries and accountants are using it for efficiency in data exchange with clients and regulators. As a result, vendors of business software need to be able to offer functionality for creating XBRL reports. Not only enterprise software vendors, but also the vendors of software used in the SME market. Semansys XBRL Component is created to cater for this.

Strategic options

A vendor can choose to make or to buy XBRL functionality. Considering the rate of development of the standard and the technical complexity, most vendors prefer to buy software components for XBRL. This saves them a considerable amount of development effort, now and in the future. For those vendors that choose to buy technology, Semansys offers two solutions. Semansys XBRL Reporter is the low-cost and practical digital reporting solution for those vendors that want a loosely coupled solution requiring virtually no integration effort. For those vendors that want a built-in XBRL solution which is operated through the application user interface, Semansys XBRL Component is the preferred option.

Experienced based and future proof

Semansys has been the first to introduce XBRL reporting functionality to preparers. The company has unmatched experience with making XBRL practical for the users of business applications. We have learned how XBRL can best be incorporated and hidden 'under the hood' of systems which are familiar to users. Any software vendor can now leverage that experience and benefit from the robustness of our software. By using the XBRL Component, a vendor is assured of support for all future developments in XBRL and for all future reporting requirements imposed on its users

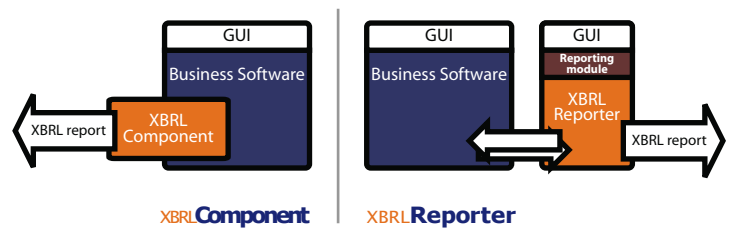
XBRL Component integration

The Semansys XBRL Component can be integrated using a host of widespread technologies and standards. The XBRL Component can be addressed as a DLL or

through ActiveX. Data interfacing is handled through standards as SQL, XML and CSV or through direct database connections. The Component can transform the received data upon import through calculations and merge and decompose functions. To address taxonomies, downloading and caching can be used and if required, the XBRL Component can integrate with an e-mail client to facilitate communication processes. There is a generic XML data-bridge, and the data handling capabilities and expression engine will help facilitate any integration need.

Rich functionality and process management

The Component can be configured to meet any conceivable reporting requirement, as long as it is to be represented in XBRL. The basic function of this module is to convert imported data to XBRL, according to one or more XBRL taxonomies and based on mapping information provided by the business application. This results, of course, in flawless XBRL. Nevertheless there are various facilities to validate incoming and outgoing data on compliance to XBRL standards or any business rules. If required the data transmissions can be encrypted and all events can be controlled and retained for future review and audit. The HTML reporting features provide for practical means to review various kinds of information related to the report creation process and the report itself.



Two strategic options for rapid introduction of XBRL reporting functionality

Semansys for all options

Semansys specializes in software for XBRL preparation and processing. Software vendors choose to integrate with either Semansys XBRL Reporter or Semansys XBRL Component. The Reporter can be provided in a re-branded version. Alternatively a vendor can choose to resell one of our preparer solutions, including our XBRL Enterprise Manager. Contact us to discuss the options for profitable XBRL and short time to market.

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