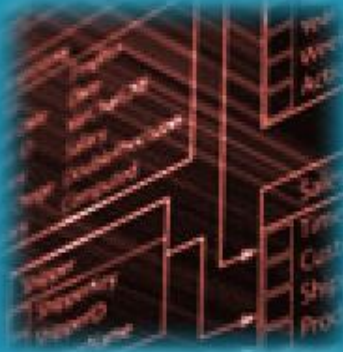


XBRL Taxonomy Tools

A complete set of tools to help generate and review XBRL Taxonomies and Formulas

UBPARTNER



Why UBPartner?

- ▲ *A complete set of software for authoring XBRL-taxonomies*
- ▲ *Advanced validation and XBRL Formula support*
- ▲ *Trusted XBRL technology partner to leading software vendors*
- ▲ *Extensive range of implementation partners experienced in local reporting requirements*
- ▲ *Unrivalled real-world expertise in XBRL systems*

At the core of any XBRL system is an XBRL taxonomy or set of taxonomies; therefore getting the taxonomy right is critical to ensuring that the rest of the system can work properly and smoothly.

XBRL taxonomies must contain all the information required for filing companies to understand what they need to submit and for the collectors of the submissions to be able to validate and interpret what they receive. This requires easy to use and robust XBRL tools that enable business users to ensure that the taxonomy encapsulates all the business information that needs to be collected, and also allows IT specialists to ensure that the design is both technically feasible and delivers a performant collection system.

The UBPartner Taxonomy Tools incorporate the many years of experience that UBPartner has gained implementing real-world XBRL systems and are designed to make the adoption of XBRL as easy as possible for both business users and for systems developers. Built upon the leading XBRL technology platform, they guarantee that any taxonomy created is 100% compliant with the XBRL standard.

Complete Set of Tools

The UBPartner XBRL Taxonomy tool set provides a tool for each of the different tasks that need to be undertaken in the development and maintenance process. They can be used via the familiar interface of Microsoft's Excel to define the business model or can be accessed by a 'power' user through a sophisticated interface that lets the user explore and check every detail.

Exploiting the Power of XBRL

Taxonomies reflect the complexities of real world data collection systems and hence can themselves become complex. The UBPartner Taxonomy Tools attempt to simplify the process of developing a taxonomy:

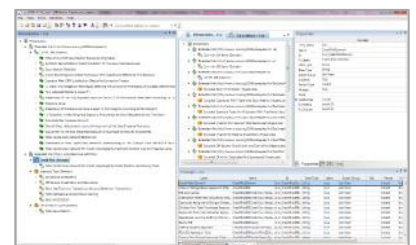
- ▲ **The Taxonomy Generator** helps users to define all the elements that need to be collected; then define the relationships between

them; and finally test the taxonomy.

- ▲ **Taxonomy Explorer** enables the user to review and validate the multiple parts of a taxonomy through a simple to use interface.
- ▲ **The Formula Generator** allows business users to define the required quality checks using simple functions which are then converted into the correct XBRL syntax.

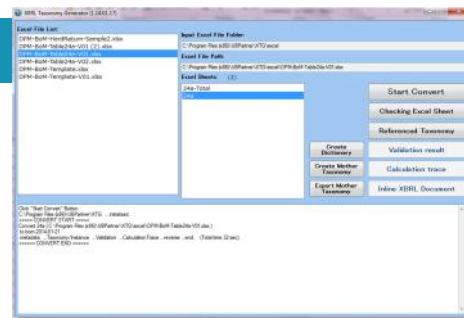
100% Compliant

All of the UBPartner Taxonomy Tools include the industry leading XBRL Processing Engine, which ensures that the final Taxonomy can be fully validated against the XBRL recommended standards.

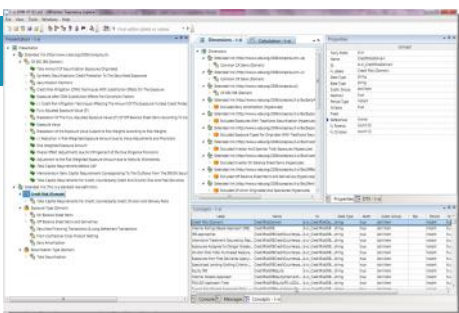


XBRL Taxonomy Generator

- ▶ Enables business users to define the complete set of elements and relationships that need to be represented in the taxonomy
- ▶ Simple to use Microsoft Excel interface
- ▶ Supports both a 'canonical' or 'data point modeling' approach
- ▶ Can be used to extend and merge taxonomies, to generate a master 'data dictionary' of all elements from several taxonomies



Taxonomy Generator



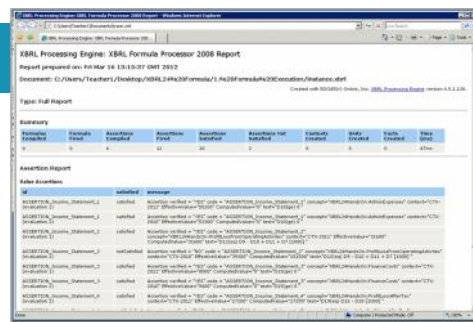
Taxonomy Explorer

XBRL Taxonomy Explorer

- ▶ Enables users to explore and review a taxonomy
- ▶ Provides a sophisticated interface that allows the various parts of a taxonomy to be viewed via synchronized windows
- ▶ Allows elements to be inspected in detail and identify their underlying properties
- ▶ Can build SEC and IFRS taxonomy extensions

XBRL Formula Generator

- ▶ Enables business users to define simple functions which are then converted into XBRL Formulas
- ▶ Simple and familiar Microsoft Excel interface
- ▶ Generates 100% compliant XBRL Formula linkbase
- ▶ Integrates with UPartner XBRL Reporting Toolkit, enabling the taxonomy and formulas to be fully tested with sample instance documents



Formula Generator

Expert Advice & Consulting Services



The UPartner services team has extensive, real-world experience of designing and implementing XBRL taxonomies. Our team can help guide you through the steep learning curve that surrounds all new technology adoption.

In addition, UPartner works through a network of local implementation partners who can deliver a broad range of solutions and services tailored to meet your specific needs and requirements.

If you would like to organise a demonstration or require a contact for a partner, please contact: info@ubpartner.com.