


Introducing 

*hyper*Model.

The most effective tool for XML integration

The first application to bridge the chasm between
XML content definitions and UML models
for your mission-critical
information and business process assets

It's an essential component of your integration
competency center! 



“Aberdeen Group recommends that organizations plan and execute a model sharing effort as soon as possible, first by learning the UML and XMI standards and implementations.”

Aberdeen Group, June 2002 ■

Understanding the chasm that currently exists

Unified Modeling Language, or UML, guides the analysis and design of business process and information models that underlie all e-Business integration. These models improve and simplify communication among an application’s many diverse users. However, traditional UML tools are expensive, cumbersome and rely too heavily on proprietary extension mechanisms.

UML modeling of XML schemas and Web services expand the boundaries of traditional system integration development methods, and allows all users—business and technical—to view diverse information in a common visual language. This type of modeling extends and complements the capabilities of traditional software develop-

ment tools by eliminating the boundaries of technology silos. Using the right modeling application, the metadata that exist in these silos, such as XML schemas, database schemas, Java APIs and business process models, can be integrated in common views that emphasize business semantics.

Recent analyst reports have found that these forms of metadata have traditionally been hard to manage using the tools that currently exist. To fill this need, companies require a commercial product to bring XML metadata into a UML-based competency center.

hyperModel is this solution.

Creating common views through advanced technology

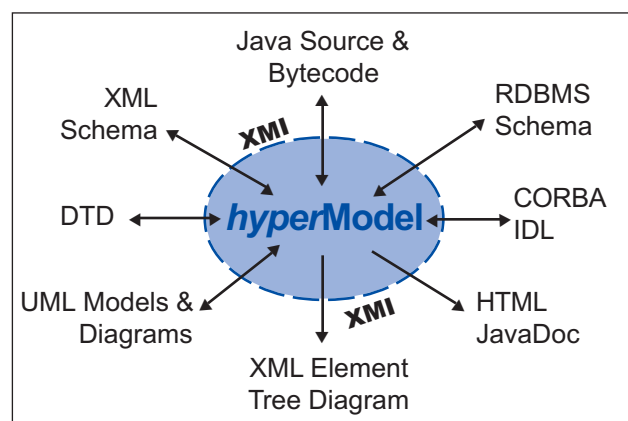
 ■

With the introduction of **hyperModel**, companies have a new way to view information. Traditionally, companies utilize separate applications that fall into distinct technology-dependent silos, including Content Analysis, XML, Database, and Java applications. These silos, each valuable on its own, have been impossible to view in a common language, making their integration difficult. **hyperModel** acts as the hub for this disparate information, creating a format that allows for a common view. This advanced tool enables programmers to integrate systems more quickly, and allows business users to see information content more clearly.

hyperModel is different from other UML tools because it has the ability to seamlessly integrate hundreds of industry standard XML Schemas with the UML models that define your strategic applications. No other modeling application has been able to interpret XML content in such a powerful and intuitive presentation. **hyperModel**

combines support for several industry standards into a shared view of your business information.

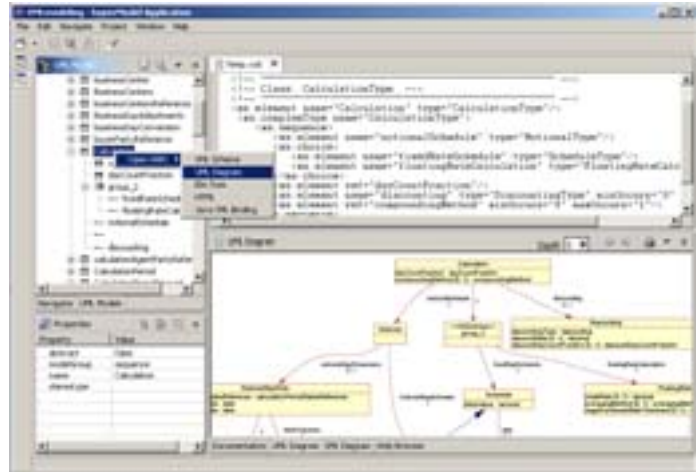
hyperModel complements other UML tools and XML design tools, allowing companies to leverage their existing investment and development processes. ■



The hyperModel Hub ■ ■

In addition, this new tool:

- Imports any XML Schema into a common UML-based presentation.
- Facilitates integration between new XML design tools and widely deployed UML modeling tools.
- Reads standard XMI 1.0 documents exported from other UML products.
- Reverse engineers any W3C XML Schema and produces an XMI document that may be imported into other UML tools.
- Creates dynamic UML class and XML element structure diagrams from any UML model.
- Generates XML Schema definitions from any UML model, supported by a comprehensive UML extension profile for customization.
- Enables object-oriented analysis and design of XML Schemas.
- Includes a unique approach for more effective visualization of XML Schemas.
- Enables standards-based integration with other analysis and design tools via UML/XMI and XML Schema.
- Facilitates communication between business analysts and system integration specialists.



An innovative design to streamline your business models

hyperModel does more than just assist integration. Its unique innovation is based on developing a new way to understand business models and their application to organizations. What makes **hyperModel** different from all other UML tools is that it is specifically designed to emphasize the thoughtful understanding of business models defining course-grained Web Services integration.

UML diagrams become dynamic, multi-dimensional views of your business information. The related book, *Modeling XML Applications with UML: Practical e-Business Applications*, describes the underpinnings of **hyperModel**'s object-oriented interpretation. Other innovative features of **hyperModel** include:

- A programming environment based on the popular Eclipse IDE platform for tool integration.
- The benefits of dynamically constructed UML diagrams – a widely accepted standard notation – without the burden of a complex,

specialized design environment.

- A unique XML element structure diagram to visualize document instance structure, complementing the UML class structure diagrams.
- Interactive HTML documents from the same UML model definitions.
- Point-and-click simplicity of browsing and visualizing complex XML Schema and document structures.

hyperModel is the first application to bring XML vocabulary definitions, based on UML and XMI standards, into a model sharing effort that enables complete e-Business specification. No other tool can help companies interpret disparate data in such a dynamic environment.

For more information, contact:

Ontogenics Corporation • Boulder, CO, USA
(303) 323-4284 • info@ontogenics.com
<http://www.XMLmodeling.com>

hyperModel is a software product of Ontogenics Corp., based on the international best-seller "*Modeling XML Applications with UML: Practical e-Business Applications*."