



UML for webServices

*Experience Genuine's training sessions
that go beyond standard course content*

About Genuine

We design and conceive tailor-made solutions in the area of B2B connectivity and integration. Both are key technologies that create added value in terms of improved business results. These business results can be translated into increased profitability, sales volumes, quality, reduced costs and improved risk management. Furthermore, our background enables us to seamlessly combine legacy technology with cutting edge concepts such as webServices and OOAD approaches

Based in Brussels, we rely on consultants and trainers that are well-versed in explaining complex matters in a down-to earth approach that will give you the necessary awareness of what exactly XML, UML or Middleware solutions can offer to your organization. Our consultancy services cover a broad scope of these next-generation topics and we make sure that our project knowledge is quickly translated into valuable training course material.

As we move into an era where web Services are key, you'll want to know exactly how to prepare to keep a competitive edge upon your business partners. Does it need emphasis that modeling is essential for an enterprise? We are confident that our genuine training offerings can give you the competitive edge that leaves others staring behind.

Approach

Lots of UML training courses face similar problems: out-of-the book material is given without making the link to real-world usage of the technology. Genuine's UML training material is based on project experience and offers a varied approach that will keep you focused by alternating between theory and practice. Several case studies further ease assimilation of the treated subjects by offering tangible examples.

UML in a business context

While it is true that UML has its roots in the software area, this modeling language is currently one of the most appropriate ways to model your business processes in an industry-neutral manner.

The expansion mechanisms that give UML its flexibility, such as stereotypes and tagged values, are key for a successful modeling approach. Furthermore, UML is targeted by ebXML as the language of choice for describing business processes and core components.

Genuine's UML training has allowed several companies and EDI standardization organizations to save valuable time by offering insight into technology that allows for automating the creation of XML schemas and DTDs from UML models.

Tools and standards

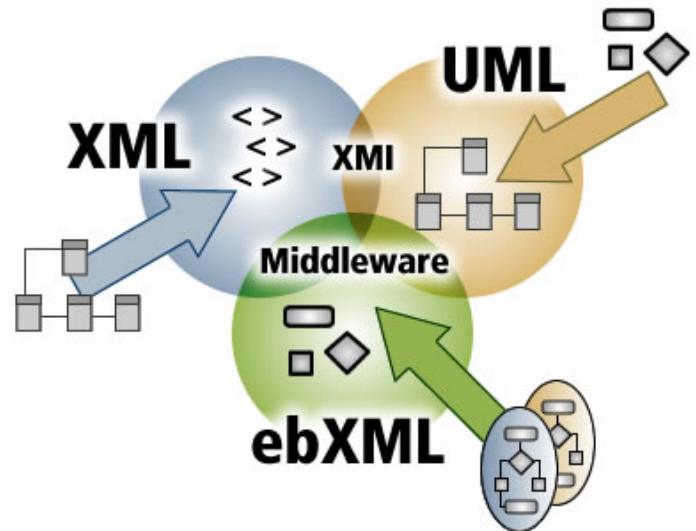
Industry standard tools are used throughout the course to offer hands-on experience that immediately puts the treated subjects into a real-life context. UN/CEFACT, OMG, W3C and eBTWG (ebXML) guidelines are followed by the letter, thus assuring an unambiguous choice of methodology and message format.

Challenging questions get answered:

- How do I use UML to model my business?
- How do I manage my models?
- I have an existing base of UML models, how do I translate them to schemas or DTDs?
- What methodology do I use to discover the base elements of my business process?
- How do I use ebXML in practice?

Package 1

- Why is UML important to webServices?
- Overview of the different diagrams
- The Rational Unified Process. (RUP)
- What is Object Oriented Analysis and Design?
- Identifying the Requirements
- Creating a high level e-Business use case
- Dynamic diagrams
- UML 2.0 Preview
- OCL (Object Constraint Language)
- Making a Domain model
- Class & Object diagrams
- Generalization and inheritance
- Refining the Domain model using Patterns



Package 2

- XML basics
- Validating an XML file with a DTD
- In-depth Schema coverage
- Middleware tools demonstrated (Biztalk/webMethods)
- What is SOAP
- Examining WSDL files
- The usage of UDDI and ebXML
- webServices demonstrated in .Net
- loading a WSDL file using a Java toolset
- Making a webService
- Connecting to a webService
- Real-life examples

Discover

- The new features of UML version 1.4
- Techniques that you did not consider feasible.
- How UML can be transformed using Stylesheets.
- The flexibility schemas offer, compared to DTDs.
- How models can be exported between different tools.
- That UML Profiles are the real way forward.
- How manual coding can be avoided.
- ebXML proof of concept.

Gain time

We are specialized in analyzing and assembling the available technology, issued by standardization organizations, and investigate if the offered solutions are mature for mission-critical applications.

Thanks to Genuine's involvement with UN/CEFACT working groups and global networking, we can offer a condensed view of what is currently possible with XML, UML and middleware tools.

The time you spend following our trainings is an ignorable parameter, compared to the leap forward you will make without the added burden of doing your own research.

Genuine delivers!

Package 3

- Namespaces in the context of UML/XML
- Describing Business Processes in UML
- Using XMI to exchange Business Process models
- Deriving UML objects and classes from the Business process model
- From UML Classes to XML
- DTD to UML to DTD
- From UML to Schema
- Automating the UML to Schema process
- Putting it all together
- Real life case study
- Conclusions

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