IMATICA

Biztalk Server Experience

...B2B integratie training met levensechte voorbeelden

Microsoft BizTalk Server 2010

Messaging

B2B messaging involves the exchange of structured data between applications, be it between two or more organizations, or within the same company. Genuine's BizTalk 2010 training covers the transformation, transport, security, reliability and mapping of the data transmitted over any network. In order to communicate, business partners need to set up a so-called trading partner agreement. This agreement contains information about the message formats used, as well as the necessary transport types. Setting up such trading partner agreements, and managing them in a comprehensive way, is done at the click of a mouse button in BizTalk. During this course, you will get detailed information on the inner workings of BizTalk, and we also give you the story on XML standards and EDI. Traditional BizTalk courses tend to avoid subjects such as EDI or XSLT, but we believe a thorough understanding of BizTalk 2010 cannot be obtained without understanding the foundations it is built on.

Orchestration

Also included in the BizTalk training is the orchestration of business processes through the BizTalk 2010 orchestration engine. This important Enterprise Application Integration (EAI) service is essential to automate parts of the business process. By combining B2B messaging and EAI proficiency, gained through multiple projects, Genuine can offer B2B integration training services and real-life examples that move beyond the standard course content.

Introduction
- Introduction to BizTalk 2010
- Feature – functional overview of BizTalk Server 2010
- Building an End to End Application with BizTalk
- Installation & configuration pitfalls
- XML introduction
- XSL, Schema crash course
- The BizTalk framework
- Valid and Well formed XML
- Validating XML in BizTalk
- Example: mapping EDI to XML files
- The issues when mapping from EDI to XML
- Transforming text and CSV files to XML

New ways for doing Basic tasks
- Visual Studio.NET Project System Overview
- Creating a Solution, Project
- XML Tools – Editor, Mapper, Orchestration Designer
- Pipeline Designer/Building Pipelines

- BizTalk Explorer – BizTalk Configuration
- Routing in BizTalk Server 2010
- Deployment of Applications – Requirements
- Dependencies, Practices
- BizTalk Administration
- Using InfoPath and BizTalk Server 2010
- The Rules Engine
- Submitting documents to BizTalk
- Routing and non-routing documents
- Using BizTalk envelopes for EDI and flat files
- Using HTTP, SMTP, FTP and MSMQ
- Reliable and fault tolerant messaging
- The BizTalk framework & SOAP

Business Process Management
- Human Workflow Services
- Using the Orchestration Designer
- BPM
- Business process Execution Language (BPEL)
- Using UML for business engineering
- UML Activity diagrams
- Enterprise Application Integration with BizTalk
- Business Process Monitoring
- Trading Partner Management
- Business Activity Monitoring
- A case study: two companies using different XML formats
- Creating a schema for each company
- Automating the case study by using BPM
- Business transaction management
- Transaction rollback in case of failure
- A word on web services, ebXML and UDDI
- Legacy integration with ebXML
- Discovery and registration of web services

Trading Partner Integration
- Transformation of data using XSLT
- Creating document specifications
- What goes into a trading partner agreement ?
- Setting up a messaging agreement
- Using the new BizTalk Server 2010 mapper
- Making workflow diagrams in Visual Studio
- The differences with standard UML activity diagrams
- Importing non-standard data into BizTalk
- Developing Application Integration Components
- Connecting to ERP systems
- Converting an IDOC into XML
- Deploying and Managing BizTalk solutions
- The interaction with commerce server
- Information Worker Integration
- Integration with Office XP

- Infopath integration

Information worker front ends
- Consulting Web Services from within Infopath
- Identifying trends and opportunities
- Obtaining real-time visibility from within Office XP
- OLAP Analysis
- Example: Office excel integration with BizTalk 2010

Pre-processors & Adaptors
- BizTalk 2010 Adapter Framework Overview
- Developing Adapters Using the Adapter Framework
- Adapter Design
- Adapter Workflow
- Adapter Development Tips
- BizTalk Adapter Framework Schema Extensions
- Using the Add Adapter Wizard
- Configuring Adapters in the BizTalk 2010 Explorer
- Managing Adapters with Administration Console
- Using the Adapter API

Tracking & Troubleshooting
- Tracking Documents
- What can go wrong ?
- Setting up & configuring alerts
- Security and Single Sign-On
- Optimizing & Monitoring BizTalk Server
- Deployment considerations
- BizTalk Server groups and clustering
- BizTalk Security configuration
- Collaboration with Exchange Server
- Integration with SQL Server and IIS
- Available security mechanisms
- Certificates and digital signatures
- Elaborated Case study
- Future developments
- Conclusion

Opzet
Deze klassikale Nederlandstalige cursus wordt gegeven aan de hand van zelf ontwikkeld (Engelstalige) lesmateriaal.

De cursus vindt plaats in Veenendaal en duurt vier dagen van 9:30 - ca. 16.30 uur. Tussen 12.30 - 13.00 uur is er een lunch.

Kosten & lestijden
De cursus kost EUR 1995,00 per persoon, excl. BTW. Inclusief alle lesmaterialen, koffie/thee en lunches.

U kunt online data en beschikbaarheid nakijken op www.imatica.nl ↷

sep2011