

BizTalk-Training.com

BizTalk 2006 R2 - Intro Course Outline

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	length min:sec
1. Biztalk Intro & Architecture	
1. What is Biztalk	0:14:41
2. M2M BPM Executive Summary	0:31:24
3. M2M Microsoft BPM Platform	0:34:22
4. Architectural Overview	0:08:23
5. Overview - Biztalk Explorer in Visual Studio	0:08:29
6. Overview - Biztalk Explorer and BT Admin Console	0:07:43
7. Overview - Biztalk Admin Console	0:04:46
8. Overview - Visual Studio Project Items	0:15:10
9. Overview - Biztalk Programs	0:14:04
10. Overview - SQL Databases	0:14:04
11. BPEL Import from Visio (Demo on BT2004)	0:07:06
12. BPMN - Demo 1	0:14:43
13. BPMN - Demo 2	0:02:47
Total time	2:57:42
2. Schemas	
1. Building a schema with the GUI	0:14:33
2. Testing your Schema	0:15:18
3. Generating a Schema from Data	0:09:21
4. Using an partner's schema	0:09:33
5. Using Schema Restrictions	0:02:18
6. Using "Imports" to Reuse Schemas	0:04:37
7. Deploy Project and SQL to Query Schemas	0:09:06
Total time	1:04:46
3. Message-Based Routing	
1. A Simple Receive/Send Port Scenario - 1 of 2	0:14:15
2. A Simple Receive/Send Port Scenario - 2 of 2	0:09:35
3. Security Issues	0:09:07
4. Subscription/Filtering on Promoted Fields	0:20:49
5. HAT Messages	0:06:44
6. Cleaning-Up Suspended Messages	0:00:56
7. Customizing HAT Queries	0:05:46
8. Multiple Property Schemas	0:08:15

9. Backup Transport	0:07:18
Total time	1:15:27

4. Flat Files (Schemas & Pipelines)

1. A Positional Flat File	0:17:41
2. A Comma Separated Values File	0:18:18
Total time	0:35:59

5. Mapping Basics

1. A Simple First Map	0:21:01
2. Running the Map in a Receive Port	0:13:58
3. A Complex Flat File Schema	0:12:42
4. Mapping the Complex Flat File Schema	0:14:59
5. Using Two Maps in the One Receive Port	0:15:36
Total time	1:18:16

6. Additional Routing Concepts

1. Two Subscribers, Adding an FTP Send Port	0:09:01
2. Adding a Map to Send Port	0:19:23
3. Using Send Port Groups	0:04:42
4. Invalid Message Received - Part 1 (Validation Pipeline?)	0:12:01
5. Invalid Message Received - Part 2 Error Message	
Routing	0:06:16
6. Custom Pipeline (SDK Sample)	0:10:50
7. Subscriber States (Started,Stopped,Unenlisted)	0:06:31
8. BT2006 Resumeable Message Feature	0:02:12
Total time	1:10:56

7. Mapping in Detail

1. Map Functoids	0:03:28
2. String Functoids	0:02:32
3. Logical and Value-Mapping Functoids	0:09:36
4. Cumulative and Misc Functoids	0:03:18
5. Advanced Functoids	0:03:01
6. The Advanced Scripting Functoid	0:04:50
7. The Advanced Looping Functoid	0:05:57
8. The Advanced Index Functoid	0:02:14
9. The Advanced Assert Functoid	0:07:23
10. Creating a C# Custom Functoid	0:10:19
11. Using Multiple Map Grid Pages	0:03:38
12. Using External XSLT Stylesheet	0:14:12
13. Mapping Lab - Part 1 - Assignment	0:01:08
14. Mapping Lab - Part 2 - Schemas	0:09:23
15. Mapping Lab - Part 3 - Test Data	0:07:08
16. Mapping Lab - Part 4 - The Map A	0:19:07
17. Mapping Lab - Part 4 - The Map B	0:19:23
Total Time	1:47:14

8. Orchestration - Basic Concepts

1. First Orchestration (Receive, Send, Decide)	0:21:40
2. Deploying and Testing First Orchestration	0:12:52
3. Debugging Exceptions	0:14:54
4. Handling Exceptions (with Scope Shape)	0:04:04
5. Calling C# DLLs, A simple Trace Utility - 1 of 2	0:14:14
6. Calling C# DLLs, A simple Trace Utility - 2 of 2	0:08:55
7. HAT's Orchestration Debugger	0:10:26
Total Time	1:27:05

9. Orchestration - Correlation

1. Construct & Transform (Map) Shapes	0:16:18
2. Setup Logic To Approve P.O.'s over \$1000	0:15:22
3. Adding Correlation	0:19:15
4. Testing Correlation	0:19:57
5. Stress Testing Correlation	0:07:15
Total time	1:18:07

10. InfoPath

1. Designing an InfoPath Template from a Biztalk Schema	0:05:24
2. Opening PO/Approval File with InfoPath	0:06:15
3. The MSO Directive	0:04:50
4. Adding the MSO Directive to the Orchestration	0:13:01
5. Testing the Change to the Orchestration	0:13:07
6. Infopath Color Schemes	0:01:28
Total time	0:44:05

11. Orchestration - Call Rules Shape

1. Using Business Rule Composer	0:19:46
2. Using Call Rules Shape	0:20:21
3. Testing Business Rules	0:12:52
Total time	0:52:59

12. Orchestration - Misc Shapes

1. Message Assignment Shape	0:13:59
2. Listen/Delay Shapes	0:10:47
3. Parallel Shape	0:10:37
4. Call Orchestration Shape (1 of 2)	0:21:27
5. Call Orchestration Shape (2 of 2)	0:21:50
Total time	1:18:40

13. Orchestration - Looping Through Child Elements

1. The Loop Shape & XPath - Part 1	0:06:14
2. The Loop Shape & XPath - Part 2	0:16:35
3. Using Direct Binding to Call an Orch - Part 1	0:05:42
4. Using Direct Binding to Call an Orch - Part 2	0:15:47
5. Using Direct Binding to Call an Orch - Part 3	0:19:08
6. Using Direct Binding to Call an Orch - Part 4	0:12:48
7. Using Direct Binding to Call an Orch - Part 5	0:12:48
Total time	1:29:02

14. Debatching Via Envelope Schemas	0:11:51
1. Creating and Testing an Envelope Schema	0:04:36
2. BT2006 Recoverable Interchange Processing	0:16:27
Total time	0:32:54
15. Orchestration - Additional Topics	
1. ShortCut for Deploy (GAC/DLL)	0:03:28
2. Hosts and Host Instances	0:07:33
3. Accessing File Name Received Part 1	0:05:54
4. Accessing File Name Received Part 2	0:16:22
5. Dynamic Send Ports	0:16:08
6. Sending an Email from an Orchestration	0:14:21
7. Mapping Two Messages to One Message	0:04:08
8. Potential Issues with referencing .DLLs	0:03:25
9. Transactions and Compensation	0:05:29
Total time	1:16:48
16. Orchestration Tracing - Advanced Concepts	
1. System.Diagnostics.Event.WriteLine	0:03:28
2. Debugging with SQL/Trace 1 of 4 (SQL Artifacts & Csharp)	0:09:34
3. Debugging with SQL/Trace 2 of 4 (Orchestration)	0:17:22
4. Debugging with SQL/Trace 3 of 4 (testing)	0:09:32
5. Debugging with SQL/Trace 4 of 4 (xml doc)	0:06:52
Total time	0:46:48
17 MSI Deployment	
1. Generating an MSI	0:07:59
2. Including C# .DLLs in your MSI as Resources	0:08:08
3. Installing from an MSI (Two Steps)	0:11:30
4. Exporting/Importing Binding Files	0:02:14
5. Importing/Exporting Business Rules	0:12:30
Total time	0:42:21
GRAND TOTALS	15:53:25

The almost 16 hours above is probably more lecture/demo time than you would receive in a 5-day class. Once you exclude lunches and breaks, most 5-day classes meet about 6 hours per day (less on Fridays), and about 50% of the time is spent in labs.

This course does NOT cover EDI, RFID, Web Services, WCF (Windows Communication Foundation), or WF (Workflow Foundation). The course uses a very simple Business Rule policy to set various parameters, but a detailed training on Business Rules will be reserved for a future course. We currently have a separate 8 hour course that covers BAM (Business Activity Monitoring) in great detail.

Our BizTalk 2004 "Intermediate Course" covers Web Services, and the SQL, HTTP, and FTP adapters, and that technology is essentially the same in BizTalk 2006. We have an sign-up page on our website for people interested in future intermediate or advanced courses. When people sign-up, they are essentially voting that they want us to work on that specific course. So please take the opportunity to express your interest in the future courses we develop.

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