Middleware data usability and availability

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What I’ve done?

- I studied general ideas of RFID and installed BizTalk 2002 and SQL Server 2000 at the first week.
- At the second week I studied XML Schema, re-installed BizTalk 2004 and studied BizTalk solution examples of EAI (Enterprise Application Integration) and B2B (Business-to-Business).
I repeated installation of BizTalk about 2 weeks because it didn’t work on my laptop.

Finally I found a website could use BizTalk by the remote control. I used Visual Studio Hosted Experience.


I studied BizTalk data exchange formats and made simple rules.
Creating Schemas

- Scenario
  - It is a Logistics Management System between producer and customer.
  - I created a BizTalk project for the schema, and then define a product schema to define the structure of messages to be exchanged within the solution.
Creating Schemas (Con’t)

- Created a LMSSolution.
Creating Schemas (Con’t)

- Added a new BizTalk Server Project.
Creating Schemas (Con’t)

- Created a ProductList schema.
Creating Schemas (Con’t)

- Created the schema record.
Creating Schemas (Con’t)

- Promoted schema Properties.

The property fields are promoted so that their values can be referenced for content based routing purposes and orchestration.
Creating Schemas (Con’t)

- Validating Schema.
  - Validating Schema command will be used to determine whether the schemas contain any internal inconsistencies, or have other issues that might prevent them from being used effectively for processing instance messages.

- Assigning a Strong Name to the Assemblies.
  - A strong-named assembly provides several security benefits. A strong name guarantees the uniqueness of the assembly by assigning a digital signature and a unique key pair.
Creating Schemas (Con’t)

- This also protects the lineage of the assembly by ensuring that no one else can generate a subsequent version of that assembly. And finally, a strong name provides a strong integrity check to guarantee that the contents of the assembly have not been changed since it was built.

- Building the Schema Project
  - The assembly is compiled into a DLL file and saved in the …\bin\Development folder within the project folder.
Reference

- WinRFID user manual
- http://www.microsoft.com/biztalk/default.mspx
- http://www.microsoft.com/biztalk/evaluation/trial/