

BIZTALK SERVER:

The business environment is getting complicated day by day with diverse automated systems, platforms, and applications. Thus, to enhance business efficiency and performance, Microsoft has introduced the BizTalk server which perfectly integrates the various systems and applications for automating the business processes.

The server seamlessly aligns the enterprise systems and diverse data to simplify business processes, analyze data, and improve business efficiency. Microsoft BizTalk server is an Inter-Organizational Middleware System that permits the business organizations to automate the business processes by using the customized adapters which permit having an efficient communication between the various systems and application that are getting used within the business organizations.

Different stages of receive pipeline are:

- Decode Stage: Decodes the message.
- Disassemble stage: Parse the message.
- Validate stage: Perform incoming message validation.
- Resolve Party: It maps the Sender certificate or Sender Security ID to the Source Party ID.
- Inbound Map: Once the pipeline is executed, mapping transformation can be applied over the incoming messages. This type of mapping is employed for creating a Canonical Schema. End Point Manager is liable for the map execution on the incoming message type.

BizTalk Ports:

BizTalk Ports are necessary for effective communication between the components of the BizTalk server. There are two ports:

- BizTalk Receive Ports and Receive Locations
- BizTalk Send Ports and Send Port Groups

Course Content:

Introduction to BizTalk Server 2006:

- What Is BizTalk Server 2006?
- What's New in BizTalk Server 2006?
- The BizTalk Server Development Environment
- BizTalk Architecture
- Purpose Of BizTalk
- EAI And B2B Application

Creating Schemas:

- Introduction to BizTalk Schemas
- Creating XML and Flat-File Schemas
- Creating a New BizTalk Project

- Creating an XML Schema Using BizTalk Editor
- Creating a Flat-File Schema Using the Flat File Schema Wizard
- Creating Positional File Schema
- How Validate the Schema
- How Testing the Schema
- How To Create the Schema For SQL

Creating Maps:

- How Creating a Basic Map
- How Validate The MAP
- String Factoids
- Date Time Factoids
- Database Factoids
- Scripting Factoids
- Custom Factoids
- Mathematical Factoids
- Advanced Factoids
- Routing BizTalk Messages

- Introduction to Message Routing
- Configuring Message Routing
- Promoting Message Properties
- Configuring a Filter Expression
- Testing Message Routing

Integrating with web services:

- Introduction to Web Services Integration
- Consuming a Web Service

Integrating with SQL server:

- Introduction to SQL Server Integration
- Inserting Data Into SQL Server Data Base Using Positional file
- Retrying Data From SQL Server Data Base
- Creating a BizTalk Orchestration

Introduction to BizTalk Orchestration:

- Creating a New BizTalk Orchestration

- Creating BizTalk Orchestration Ports

Creating BizTalk Orchestration Messages:

- How To Work With Message Assignment Shape
- How To Work With Transform Shape
- How To Work With Expression Shape
- How To Work With Delay Shape
- How To Work With Terminate Shape
- Automating Business Processes

Controlling the Flow of an Orchestration:

- Configuring Orchestration
- Configuring Orchestration Expressions
- Configuring Message Correlation
- Configuring Exception Handling

Deploying a BizTalk Project:

- Introduction to Deployment

- Deploying an Assembly
- Assigning a BizTalk Project to an Application
- Building and Deploying a BizTalk Application
- Creating Receive Ports and Locations
- Creating Send Ports
- Testing a BizTalk Assembly

Creating Pipelines:

- Introduction to Pipelines
- Building a Pipeline
- Create a New Send Pipeline Used to Encrypt Messages
- Test the Send Pipeline

Integrating With Adapters:

- Introduction to BizTalk Adapters
- Configuring a BizTalk Adapter
- Configuring the FILE Adapter
- Working with the SQL Adapter



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Creating Transactional Business Processes:

- Introduction to Transactions
- Configuring Transactions
- Configuring an Orchestration as Transactional
- Configuring an Atomic Transaction
- Configuring Compensation

Deploying and Managing BizTalk Applications:

- Introduction to BizTalk Applications
- Deploying an Application
- Creating a BizTalk Application MSI Package
- Installing from a BizTalk Application MSI Package
- Debugging Orchestration using HAT

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- Interview preparation with mock interview drills
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