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biztalk

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#biztalk

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About

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Chapter 1: Getting started with biztalk

Remarks

Microsoft BizTalk Server is a server product for Business Process Management and Enterprise Application Integration, developed by Microsoft.

BizTalk enables organizations to integrate their business processes and manage through the exchange of electronic business documents (such as purchase orders , invoices, delivery notes , etc.) between applications in [XML](#), [JSON](#) and other formats , as well as outside the boundaries of the organization . BizTalk supports several standard EDI formats such as EDIFACT, X12 and RosettaNet , and there are plenty of adapters available for facilitating connections to several platforms (including SAP and PeopleSoft) via various protocols such as [HTTP](#) , FTP and SMTP.

BizTalk Server uses the Microsoft .NET technology and supports both SOAP and RESTful and Web Services. Software for BizTalk Server is done through Visual Studio .NET .

A mature product on its 9th release, BizTalk Server 2013 R2 provides a solution that allows organizations to more easily connect disparate systems. Including over 25 multi-platform adapters and a robust messaging infrastructure, BizTalk Server provides connectivity between core systems both inside and outside your organization. In addition to integration functionality, BizTalk also provides strong durable messaging, a business rules engine (BRE), EDI connectivity, Business Activity Monitoring (BAM), RFID capabilities and IBM Host/Mainframe connectivity.

The BizTalk messaging system is mainly based on XML, as all incoming message to this Middleware are convert into a readable XML message, through a pipeline. BizTalk then lets you develop your own logic to process the messages through the application. The three main kinds of processing are done through Orchestrations, Maps and XSLT code.

BizTalk Server 2013 R2 has added more Cloud Integration capabilities and has support for [REST](#)

BizTalk Server 2016 Developer Edition is available for MSDN Subscribers or through Visual Studio Dev Essentials On Azure you can get a prebuild VHD with Biztalk 2016, SQL server 2016 and Visual Studio 2015

[Biztalk 2016 Evaluation Older versions](#)

Versions

Version	Release Date
2000	2000-12-01
2002	2002-12-06
2004	2004-03-02

Version	Release Date
2006	2006-03-27
2006R2	2007-10-02
2009	2010-04-27
2010	2010-10-01
2013	2013-03-21
2013R2	2014-06-23
2016	2016-10-28

Examples

Installation or Setup

Software and hardware prerequisites for installation of BizTalk Server (All versions)

Software requirements

1. Development environment

Below software tools are required for BizTalk environment, not all of them are needed, but having all might add some advantage for developing BizTalk applications and artifacts.

All installations

- Internet Information Services
- Microsoft SQL Server
- Microsoft .NET Framework
- SQLXML 4.0 with Service Pack 1
- WinSCP version 5.7.5 (New SFTP adapter in BizTalk 2016)
- Distributed Transaction Coordinator (included in standard OS installation)

Minimum developer tools

- Notepad++ (with XML tools plugin)
- Visual Studio
- Microsoft Excel (For BAM)
- Team Foundation Server or similar source repository

Note: For a development installation the SQL Server Developer Edition is sufficient if available for the version of BizTalk you want to install

For a production environment a dual server installation is recommended as minimum, an DB

server and the BizTalk server

BizTalk supports high availability either through Clustering or Network Load Balancing depending on usage

Minimum Hardware Requirements (for development environment)

1. Processors

- 1 GHz or higher for single processors
- 900 MHz or higher for double processors
- 700 MHz or higher for quad processors

Note: Hyper-threading and dual-core processors are supported. The 64-bit versions of BizTalk Server require a 64-bit operating system running on an x64-based system. Computers based on CPUs that are compatible with the AMD64 (x86-64) and Extended Memory 64-bit Technology (EM64T) processor architecture are considered x64-based systems. It is recommended to install the 64-bit version of BizTalk to support large XML documents

2. Memory

- 2 GB of RAM

3. Hard disk

- 10 GB of available hard disk space in NTFS format.
- **Note:** Sufficient space for BizTalk database backup of transaction logs and databases is needed as only disk backup is currently supported

Read [Getting started with biztalk online](https://riptutorial.com/biztalk/topic/5197/getting-started-with-biztalk): <https://riptutorial.com/biztalk/topic/5197/getting-started-with-biztalk>

Credits

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