

BizTalk Server 2016 Licensing Datasheet

Product Overview

BizTalk Server is one of the integral parts of Microsoft's Hybrid Integration Platform. It enables customers to seamlessly connect mission critical applications, automate complex business processes and leverage numerous Azure services. Whether your applications run in the cloud or on-premises, you should have the flexibility to seamlessly connect applications, unlock data and automate business processes anywhere. BizTalk Server 2016 offers:

- **Comprehensive application integration capabilities** including a highly available on-premises and cloud solution, mission critical line of business application integration and many more.
- **Integration with latest Microsoft products** such as Windows Server 2016, Visual Studio 2015, SQL Server 2016 and Office 2016.
- **Hybrid connectivity** by enabling customers to integrate with cloud native applications, web and mobile back end systems, and custom applications through Azure Logic Apps. Customers can now take advantage of Azure services like Functions, Cognitive Services, Machine Learning and more to gain actionable intelligence on their data and make informed business decisions.

Editions Overview

BizTalk Server 2016 offers four editions:

- **Enterprise Edition** for customers with enterprise level requirements for high volume, reliability and availability
- **Standard Edition** for organizations with moderate volume and deployment scale requirements
- **Branch Edition** for hub and spoke deployment scenarios
- **Developer Edition** for testing and development use in non-production environments

For additional information on deploying BizTalk Server software—including more details on the new features included in this new version release—please visit the MSDN library at:

<https://msdn.microsoft.com/en-us/library/mt670741.aspx>

BizTalk 2016 Licensing Models

BizTalk Server 2016 is licensed exclusively in the Per Core licensing model. Per Core licensing provides customers with a precise measure of computing power and a consistent licensing metric, regardless of whether solutions are deployed on physical servers on-premises, or in virtual or cloud environments.

- To license a physical server—when running BizTalk Server in a **physical OSE**—all physical cores on the server must be licensed.
- A minimum of four core licenses are required for each physical processor on the server.

Depending on the BizTalk Server 2016 edition deployed, the following usage requirements also apply:

- **BizTalk Server 2016 Branch or Standard Edition** software may not be installed a server that is part of a networked cluster or in an OSE that is part of a networked cluster of OSEs on the same server.
- **BizTalk Server 2016 Branch Edition** software may only be installed on servers at the endpoint of its internal network (or edge of its organization) to connect business events or transactions with activities processed at that endpoint, provided, the server does not:
 - act as the central node in a “hub and spoke” networking model,
 - centralize enterprise-wide communications with other Servers or devices; or
 - automate business processes across divisions, business units, or branch offices.

Use of BizTalk Server Branch edition requires BizTalk Server Enterprise Edition be installed as the central node in a “hub and spoke” architecture.
- **Host Integration Server 2016** software is included with each licensed edition of BizTalk Server 2016. Each server running Host Integration Server 2016 must be licensed for BizTalk Server 2016.

Licensing for Virtualization

BizTalk Server 2016 offers virtualization rights, options and benefits to provide flexibility for customers deploying in virtual environments. There are two primary virtualization licensing options in BizTalk Server 2016—the ability to license individual virtual machines and the ability to license for maximum virtualization in highly virtualized and private cloud environments.

INDIVIDUAL VIRTUAL MACHINES

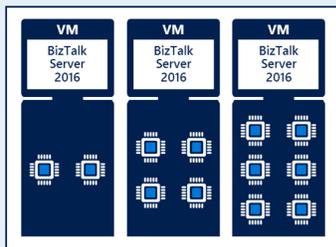
As hardware capabilities grow, it continues to be more common for each database to use a fraction of its server's computing power. When deploying databases on Virtual Machines (VMs) that use just a fraction of a physical server, savings can be achieved by licensing individual VMs.

- To license a VM with core licenses, purchase a core license for each virtual core (virtual thread) allocated to the VM (with a minimum of 4 core licenses per VM).

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How to License VMs with Core Licenses

- License the virtual cores in each virtual machine
- There is a minimum of 4 core licenses required for each virtual machine



Virtual cores	2	4	6	14 Total core licenses <small>Purchase seven 2-pack SKUs of core licenses</small>
Licenses	4	4	6	

- Each licensed VM covered with SA can be moved frequently within a server farm, or to a third-party hoster or cloud services provider, without the need to purchase additional BizTalk Server licenses.

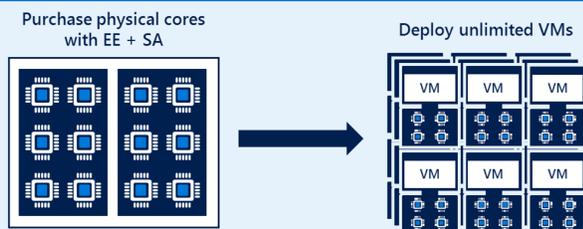
HIGH DENSITY VIRTUALIZATION

Further savings can be achieved when licensing BizTalk Server 2016 for highly virtualized private cloud deployments. This is a great option for customers who want to take advantage of the full computing power of their physical servers and have very dynamic provisioning and de-provisioning of virtual resources.

- Customers can deploy an unlimited number of VMs on the server and utilize the full capacity of the licensed hardware, by fully licensing the server (or server farm) with BizTalk Enterprise Edition core licenses and SA coverage based on the total number of physical cores on the servers.
- SA enables the ability to run an unlimited number of virtual machines to handle dynamic workloads and fully utilize the hardware's computing power.

Licensing BizTalk Server Private Clouds:

- License all the physical cores on the server with Enterprise Edition core licenses and cover with SA
- Deploy an unlimited number of VMs



Physical cores	6	6	12 Total physical cores
Core licenses	6	6	12 Total core licenses

License Mobility through Software Assurance

Volume license customers with active Software Assurance on BizTalk Server per-core licenses may assign these licenses to virtual cores running on shared 3rd party servers (public cloud).

For information on License Mobility please visit the License Mobility through Software Assurance page at: <https://www.microsoft.com/en-us/Licensing/licensing-programs/software-assurance-license-mobility.aspx>

Licensing for Non-Production Use

BizTalk Server 2016 Developer Edition provides a fully featured version of BizTalk Server software—including all of the features and capabilities of BizTalk Server Enterprise Edition—licensed for development, test and demonstration purposes only.

Customers may install and run the BizTalk Server Developer Edition software on any number of devices. This is significant, because it allows customers to run the software on multiple devices (for testing purposes, for example) without having to license each non-production server system for BizTalk Server.

A production environment is defined as an environment that is accessed by end-users of an application (such as an Internet website) and that is used for more than gathering feedback or acceptance testing of that application.

BizTalk Server 2016 Developer Edition is now a free product, available for download from the Visual Studio Dev Essentials program.

For more information on free Visual Studio Dev Essentials program, including how to register, visit:

<https://www.visualstudio.com/en-us/products/visual-studio-dev-essentials-vs.aspx>

Additional Resources

- For pricing information on BizTalk editions— please visit the BizTalk pricing page at: <https://www.microsoft.com/en-us/cloud-platform/biztalk-pricing> or contact your reseller.
- For additional information on deploying Host Integration Server software—including more details on the new features included in this new version release—please visit the MSDN library at: <https://msdn.microsoft.com/library/mt670807.aspx>
- For additional information on BizTalk Server—please visit the BizTalk product page at: <https://www.microsoft.com/en-us/cloud-platform/biztalk>
- For additional information on the Per Core licensing model—please view the Instructions to Per Core Licensing and Basic Definitions licensing brief at: http://download.microsoft.com/download/3/D/4/3D42BDC2-6725-4B29-B75A-A5B04179958B/PerCoreLicensing_Definitions_VLBrief.pdf
- For information on the BizTalk 2016 Feature Packs— please see https://blogs.msdn.microsoft.com/biztalk_server_team_blog/2017/04/26/biztalk-server-2016-feature-pack-1-is-live

Note, use of the BizTalk 2016 Feature Packs requires active Software Assurance