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BOSCH V4.9.2 Building Integration System

BOSCH V4.9.2 Building Integration System Installation Guide

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Quick installation guide

This document is intended as an abbreviated guide for experienced users. The authoritative main installation guide is on the installation medium and should always be consulted if in doubt

ⓘ **Notice!**

This Quick Start Guide describes a fresh BIS installation on a single server system. For an update installation, first stop the BIS Server in the BIS Manager and close the BIS manager.Then proceed as for the fresh installation below, but omitting the creation of a new configuration if you intend to use an existing one.
For an installation on multiple servers, always use the main installation guide

The main steps for getting your BIS installation started are described briefly here. Those steps are:

1. Checking system requirements
2. Installing BIS software
3. Licensing the BIS server
4. Creating and licensing configurations
5. Configuring BIS clients
6. Starting the BIS server

Checking system requirements

The following hardware and software are minimum requirements needed to install BIS Software:

ⓘ **Notice!**

Primary Domain Controllers (PDCs) and Backup Domain Controllers (BDCs) are not supported as they do not provide the administration of local user accounts necessary for management systems

Servers	
Supported operating systems (standalone or client/server mode). Installations of BIS on other operating systems may succeed, but are entirely without warranty.	• Windows Server 2016 (64 bit, Standard, Datacenter) • Windows Server 2019 (64 bit, Standard, Datacenter) • Windows 10 Enterprise LTSB (64 bit • Windows 10 Enterprise LTSC (64-bit • **Note:** The default database delivered with this BIS Version is SQL Server 2019 Express edition with advanced services

Other Software	**Always install the latest drivers and OS updates.** - IIS 10.0 for Windows 10, Windows Server 2016 and Windows Server 2019 **Note:** IIS is not necessary on BIS connection servers - Internet Explorer 9, 10 or 11 in compatibility mode - Chrome, Firefox, Edge for Smart Clent - NET:
	- **On Windows 10, Windows Server 2016 and Windows Server 2019: .NET 3.51 , .NET 4.8, .NET 5.0 and Core 3.1.7**
Minimum hardware requirements	- **Intel i7 processor generation 8** - **16 GB RAM (32 GB recommended)** - **250 GB of free hard disk space** - **300 MB/s hard disk transfer rate** - **10 ms or less average hard disk response time** - **Graphics adapter with 256 MB RAM, a resolution of 1920×1080 at least 32 k colors OpenGL® 2.1 and DirectX® 11** - **WebGL2-compatible (for example, Intel UHD Graphics 600 class or comparable), non- virtualized 1 Gbit/s Ethernet card** **A free USB port or network share for installation files**

System requirements for BIS servers

Clients

Supported operating systems (standalone or client/server mode). Installations of BIS on other operating	- Windows Server 2016 (64 bit, Standard, Datacenter) - Windows Server 2019 (64 bit, Standard, Datacenter) - Windows 10 (32 or 64 bit, Pro or Enterprise LTSB) - Windows 10 (32 or 64 bit, Pro or Enterprise LTSC) - **Note:** with a Pro edition, updates must be deferred until 8 months after the release of the BIS version. For further information see the
systems may succeed, but are entirely without warranty.	Microsoft technet page at https:// technet.microsoft.com/en-us/itpro/windows/ manage/introduction-to-windows-10-servicing
Other Software	- ASP.NET - Internet Explorer 9, 10 or 11 in compatibility mode (Note: The SEE client requires IE 9.0) - Chrome, Firefox, Edge for Smart Client - **NET:** On Windows 10, Windows Server 2016 and Windows Server 2019: .NET 3.51, .NET 4.8, .NET 5.0 and Core 3.1.7
Minimum hardware requirements	- Intel i5 (Gen 6 / Skylake or newer) or higher, multiple cores - 8 GB RAM (16 GB recommended) - 25 GB free hard disk space - Graphics adapter with - 256 MB RAM a resolution of 1920×1080 at least 32 k colors OpenGL® 2.1 and DirectX® 11 - WebGL2-compatible (for example, Intel UHD Graphics 600 class or comparable), non- virtualized 100 Mbit/s Ethernet card
Additional minimum requirements for VIE (Video Engine) clients	- No Windows Server operating systems - Intel i5 processor or higher - For camera sequencing, virtual matrix or Multiview add 4GB RAM

	• Latest video drivers are highly recommended. Use the Windows dxdiag tool to make sure drivers are no more than 1 year old

Additional software to be installed prior to BIS installation:
– The IIS version which corresponds to your operating system.
On Windows 10 or Windows Server 2008 R2 or 2012 R2 omit or remove the CGI feature. An IIS installation script InstallIISForBIS.exe is provided on the BIS installation medium in the directory Tools\InstallIISforBIS\. For details and other required settings please consult the BIS Installation Guide
– Internet Explorer 9, 10 or 11 (all in compatibility mode). For the BIS client use 32-bit browser versions only.
– A PDF viewer for reading documents that are displayed with the installation process.

Other required settings and software

– A TCP/IP network connecting BIS and database servers
– A unique name for each computer, no longer than 15 Latin characters without diacritic marks.
– US American or standard European date-time formats: MM/ dd/yyyy or dd.MM.yyyy
– A user account with local Windows unrestricted administrator rights and password
– Set a password for the MgtS-Service user in accordance with your password policy.
– Antivirus software should be used, but must not be running during BIS installation.

The following practices have been found beneficial

– Use US regional settings, even if the language of your operating system is not US English.
– Copy the BIS installation files to a subdirectory of the main disk drive and install from there, not from the Windows desktop.

Note: If your local IT services require a list of BIS IIS settings, these are found in the main BIS installation guide. Search for IIS in the chapter Performing a first-time installation.

installing BIS software

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For an installation on multiple servers, always use the main

installation guide.

1. Insert the BIS installation medium or copy the kit, and browse the files.

2. Right-click setup.exe and select Run as administrator from the context menu.

3. Follow the installation wizard. Select only installation options corresponding to the licenses you have purchased.

ⓘ **Notice!**

The installation wizard installs license-free, capacity-limited instances of the SQL Server by default. Alternatively, if certain requirements are met, existing, licensed versions can be used. Please see the BIS installation guide for details of these requirements, in the chapter on first-time installation.

Licensing the BIS server

Licenses for BIS 4.0 and above are ordered online and delivered electronically. Proceed as follows:

1. Order the licenses you require from your local Bosch order desk or sales organization. You will receive an email from them containing your authorization number.
2. Start the BIS Manager
3. On the License tab, click the Start License Manager button.
   – Effect: The License Manager dialog box is displayed.
4. Select the check boxes for the software package, the features, and the expansions that you have ordered. For the expansions, enter also the number of units required.
5. Click the Activate… button.
   – Effect: The License Activation dialog box is displayed containing your computer signature.
6. Write down the computer signature or copy and paste it into a text file.
7. On a computer with Internet access, enter the following URL into your browser:
   https://activation.boschsecurity.com If you do not have an account to access the Bosch License Activation Center, either create a new account and log on (recommended), or click the link to activate a new license without logging on. Note that for SMA (software maintenance agreement) licenses an account is always required. An account has the further advantage of keeping track of all your activations for future reference. Follow the instructions on the website to obtain the License Activation Key.
8. Return to the software. In the License Activation dialog box, type or paste in the License Activation Key obtained from the Bosch License Activation Center and click the Activate button.
   – Effect: The software packages are activated for the computer.
9. Click the Refresh button to view the modified set of activated licenses

Creating and licensing configurations

– Create configurations for your BIS installation as described in the BIS Configuration online help, section: Setting up an initial BIS configuration
– Activate licenses for individual configurations as described in the BIS Configuration online help, section: Configuration Browser tabs > License

Configuring BIS clients
Configure BIS clients as described in the main BIS installation manual, section: Configuring BIS clients and tools.
Configuring the web browsers for the Classic clients
The simplest way to change the browser settings is to proceed with the following steps.

1. Open IE or Edge browser. 2
2. **Enter** the URL *http://<Name_of_BIS_Server>/<Name_of_BIS_Server>*.zip For example, if the name of your BIS server is MYBISSERVER, then the URL will be *http://MYBISSERVER/ MYBISSERVER.zip.*
3. Unzip the package and execute InstallBISClient.bat with administrator privileges. This will automatically execute the following tasks and launch the BIS client application.
   – Install BIS Server certificate for HTTPS secure communication.

- – Configure browser security settings and trusted site.
- – If Edge browser is installed, it will configure Edge to run in IE mode and update the sites list.
- – Create BISClient shortcut on the desktop.

Note: If you upgrade or change certificates on the server, redo the steps above to update all settings.

Starting the BIS server

Start the BIS server as described in the BIS Configuration online help, section Starting and stopping the BIS server.

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Documents / Resources

	BOSCH V4.9.2 Building Integration System [pdf] Installation Guide XVRAID XVR-DVR-NVR, V4.9.2, V4.9.2 Building Integration System, Building Integration System, Integration System

References

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