

**versiondog**

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INFO

# Hardware and software requirements

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## Hardware and software requirements

This tutorial lists the minimum hardware and software requirements that need to be met prior to the installation of the versiondog system.

### versiondog server system

Supported operating systems		
<ul style="list-style-type: none"><li>• Microsoft Windows Server 2003 SP1</li><li>• Microsoft Windows Server 2008 / 2008 R2</li><li>• Microsoft Windows Server 2012 / 2012 R2</li><li>• Microsoft Windows Server 2016</li></ul>  Other operating systems on request		
Hardware	Minimum requirements	Recommended
Processor:	Intel: processor with NetBurst-, Core- or a later version of x86 micro architecture, mobile processors from Pentium M onwards AMD: from Athlon 64, Opteron, Sempron with Paris-Core	Intel Core 2 Duo, 2.8 GHz or faster
RAM:	1 GB	8 GB or more
Hard disk:	2 GB	300 GB or more
Graphics card:	Super VGA, resolution 800 x 600	Super VGA, resolution 1024 x 768 or higher
Network card:	1 Gbit/s	1 Gbit/s
Input devices:	Keyboard and mouse	Keyboard and mouse

## versiondog Client/Agents

Supported operating systems		
<ul style="list-style-type: none"> <li>• All operating systems approved for installation of versiondog server</li> <li>• Microsoft Windows Vista SP1 (SP2 recommended)</li> <li>• Microsoft Windows 7 SP1</li> <li>• Microsoft Windows 8 / 8.1</li> <li>• Microsoft Windows 10</li> <li>• Microsoft Windows XP Professional SP3</li> </ul> <p> Other operating systems on request</p>		
Hardware	Minimum requirements	Recommended
Processor:	Intel: processor with NetBurst-, Core- or a later version of x86 micro architecture, mobile processors from Pentium M onwards AMD: from Athlon 64, Opteron, Sempron with Paris-Core	Intel Core 2 Duo, 2.2 GHz or faster
RAM:	1 GB	2 GB or more
Hard disk:	2 GB	300 GB or more
Graphics card:	Super VGA, resolution 800 x 600	Super VGA, resolution 1024 x 768 or higher
Network card:	Yes	Yes
Input devices:	Keyboard and mouse	Keyboard and mouse

## Other requirements

Communication
Communication between server and client takes place using the TCP/IP protocol, which must be activated.

The following ports are used as standard:

### *Ports of the versiondog server*

Process/Service	Local address	Remote address	Pro- tocol	Out- going ports	Incom- ing ports	Port can be change- d	Note
VDogAdminServer.exe	ver- siondog server	ver- siondog client	TCP/IP	TCP 64001	Dynami- c port range	Yes	Point of con- tact for the AdminClient
VDo- gCheckInCheckOutServer.exe	ver- siondog server	ver- siondog client	TCP/IP	TCP 64002	Dynami- c port range	Yes	Service for ver- sion Check-In and Check- Out
VDogFbServer.exe	ver- siondog server	ver- siondog client	TCP/IP	TCP 64020	Dynami- c port range	Yes	Metadata management
VDogOsServer.exe	ver- siondog server	ver- siondog client	TCP/IP	TCP 64004	Dynami- c port range	Yes	Platform-inde- pendent map of operating system func- tions
VDogReportingServer.exe	ver- siondog server	ver- siondog client	TCP/IP	TCP 64006	Dynami- c port range	Yes	Web server report data provision over the net- work

Process/Service	Local address	Remote address	Protocol	Outgoing ports	Incoming ports	Port can be changed	Note
VDogScheduler.exe	versiondog server	versiondog client	TCP/IP	TCP 64003	Dynamic port range	Yes	JobScheduler for backup jobs
VDogSecureConnect.exe	versiondog server	versiondog client	TCP/IP	TCP 64021	Dynamic port range	Yes	Port for SecureConnect server
VDogWebServer.exe	vdWebServer	vdWebClient	TCP/IP	TCP 80 / TCP 443	Dynamic port range	Yes	Communication between web server and web client (HTTP/HTTPS)
VDogGateway.exe	versiondog server	versiondog gateway	TCP/IP	TCP 102	Dynamic port range	Yes	Port of the gateway
VDogCompareAgent.exe	versiondog server	versiondog agent	TCP/IP	Dynamic port range	TCP 64011	Yes	Communication between server and agent (i.e. when performing comparisons via an agent)
VDogUploadAgent.exe	versiondog server	versiondog agent	TCP/IP	Dynamic port range	TCP 64010	Yes	Communication between

Process/Service	Local address	Remote address	Pro- tocol	Out- going ports	Incom- ing ports	Port can be change- d	Note
							server and agent (i.e. when creating backups via an agent)
VDogUpload.exe	ver- siondog server	ABB robots	TCP/UD- P	Dynami- c port range	UDP 5512 bis 5515/TC- P 21, 23, 1069, UNC	No data	---
VDogUpload.exe	ver- siondog server	CODESYS	TCP/IP	Dynami- c port range	TCP 1200, 445	No data	---
VDogFtpClient.exe	ver- siondog server	FTP	TCP/IP	Dynami- c port range	TCP 20 bis 22, 990	No data	---
VDogUpload.exe	ver- siondog server	KUKA KRC4	TCP/IP	Dynami- c port range	TCP 49001 bis 49004, 49006, 49010, UNC	No data	---
VDogUpload.exe	ver- siondog server	Simatic S7	TCP/IP	Dynami- c port range	TCP 102	No data	---

Process/Service	Local address	Remote address	Protocol	Outgoing ports	Incoming ports	Port can be changed	Note
VDogUpload.exe	versiondog server	Rockwell	TCP/UDP	Dynamic port range	TCP 44818	No data	---
VDogUpload.exe	versiondog server	SMTP	TCP/IP	Dynamic port range	TCP 25	No data	---
VDogUpload.exe	versiondog server	Path share (UNC)	TCP/UDP	Dynamic port range	TCP 139, 445 / UDP 137,138	No data	---
VDogUpload.exe	versiondog server	SSH	TCP/UDP	Dynamic port range	TCP 22	Yes	i.e. for switches
VDogUpload.exe	versiondog server	Telnet	TCP/IP	Dynamic port range	TCP 23	Yes	i.e. for switches
VDogUpload.exe	versiondog server	TFTP	UDP	UDP 69	Dynamic port range	Yes	i.e. for switches
Hypertext Transfer protocol	versiondog server	---	TCP/IP	TCP 80	Dynamic port range	No data	---
Microsoft Active Directory domain service, Windows share	versiondog server	---	TCP/IP	TCP 445	Dynamic port range	No data	---
NetBIOS Name Service	versiondog	---	UDP	UDP 137	Dynamic port	No data	---



Process/Service	Local address	Remote address	Pro- tocol	Out- going ports	Incom- ing ports	Port can be change- d	Note
	server				range		
NetBIOS Session Service	ver- siondog server	---	TCP/IP	TCP 139	Dynami- c port range	No data	---

### User rights

In order to install versiondog, it is necessary to have (local) administrative rights on the server.

#### Account that executes the versiondog service:

If project data is to be stored on a central drive, you will require a service user account with full access to the drive and administrative rights (local) on the server.

### Email function

In order for the versiondog server to send email notifications, an email account on an SMTP mail server must be available.

### Software & drivers

- For some functions and in certain scenarios, additional software will be required. In some cases, this additional software must be purchased separately
- Please note, in the case of 64 bit systems, certain hardware drivers must be installed.
- For S5 connections via the H1 protocol, the H1 driver included with versiondog can only be used up to and including Windows Server 2008. It may be necessary to obtain an additional H1 driver or use a versiondog Agent (available at extra charge) that is installed on another PC.