



System Requirements

Version 5.5

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System requirements	4
1 Hardware requirements	4
2 Software requirements	5
2.1 User accounts	5
2.2 Supported operating systems.....	5
3 Network requirements	7
4 Scanable technologies	8
4.1 Active Directory servers.....	8
4.2 File servers.....	8
4.3 Exchange versions	8
4.4 SharePoint versions	8
4.5 VMware vSphere versions	8
Appendix	9
Appendix I: Software license acknowledgements	9

System requirements

The following document describes the system requirements in order to install and run 8MAN.

Important

In order to run 8MAN you need a valid license. If you do not own a valid license, please contact protected-networks.com GmbH or your local distribution channel.

1 Hardware requirements

The hardware requirements of 8MAN components depend on the number of users in the Active Directory (AD) as well as the number of scanned file servers. The recommended hardware requirements support up to 5000 AD users and approximately 200.000 directories. It is advised to scale up when using more complex structures.

There are no limitations for a virtualized environment as long as the hardware meets the given requirements, but it's strongly recommended not to virtualize the Microsoft SQL Server®.

8MAN component	Recommended requirements	Minimum requirements
Microsoft SQL Server®	<ul style="list-style-type: none"> • 200 GB free hard disc space • 1 Gbit/s LAN 	<ul style="list-style-type: none"> • 15 GB free hard disc space • 100 Mbit/s LAN
8MAN Server	<ul style="list-style-type: none"> • 4 GB free hard disc space • Quad Core Processor • 8 GB RAM • 1 Gbit/s LAN 	<ul style="list-style-type: none"> • 1 GB free hard disc space • Dual Core Processor • 4 GB RAM • 100 Mbit/s LAN
8MAN Collector	<ul style="list-style-type: none"> • 4 GB free hard disc space • Quad Core Processor • 4 GB RAM • 1 Gbit/s LAN 	<ul style="list-style-type: none"> • 1 GB free hard disc space • Dual Core Processor • 3 GB RAM • 100 Mbit/s LAN
8MAN AD Logga	<ul style="list-style-type: none"> • Same requirements as the 8MAN Collector with the exception of Intel Itanium CPUs not being supported. 	<ul style="list-style-type: none"> • Same requirements as the 8MAN Collector with the exception of Intel Itanium CPUs not being supported.
8MAN FS Logga for Windows file server	<ul style="list-style-type: none"> • Same requirements as the 8MAN Collector with the exception of Intel Itanium CPUs not being supported. 	<ul style="list-style-type: none"> • Same requirements as the 8MAN Collector with the exception of Intel Itanium CPUs not being supported.
8MAN FS Logga for NetApp file server	<ul style="list-style-type: none"> • Same requirements as the 8MAN Collector. 	<ul style="list-style-type: none"> • Same requirements as the 8MAN Collector.
8MAN user interfaces	<ul style="list-style-type: none"> • 200 MB free hard disc space • Dual Core Processor • 2 GB RAM • 1 Gbit/s LAN • screen resolution: 1280x1024 • video card with DirectX 10 	<ul style="list-style-type: none"> • 200 MB free hard disc space • Dual Core Processor • 2 GB RAM • 100 Mbit/s LAN • screen resolution: 1024x768

2 Software requirements

2.1 User accounts

The computer used for the 8MAN Server has to be part of a Windows domain and must not be a stand-alone computer. In order for 8MAN to work, you need user accounts with the rights to read a domain and/or the appropriate technologies (e.g. file server, Microsoft Exchange Server®, etc.). Additionally a user account is needed who has the necessary permissions to access the SQL database.

2.2 Supported operating systems

8MAN component	Operating system requirements
Microsoft SQL Server®	<ul style="list-style-type: none"> • Microsoft SQL Server® 2008 SP1 in 32-bit and 64-bit¹ • Microsoft SQL Server® 2008 Express Edition SP1 in 32-bit and 64-bit Only suitable for demo use because of performance and database size restrictions (10 GB and approximately 2000 users)¹. • Microsoft SQL Server® 2012 in 32-bit and 64-bit¹ • Microsoft SQL Server® 2012 Express in 32-bit and 64-bit Only suitable for demo use because of performance and database size restrictions (10 GB and approximately 2000 users)¹. • Microsoft SQL Server® 2014 in 32-bit und 64-bit¹ • Microsoft SQL Server® 2014 Express in 32-bit and 64-bit Only suitable for demo use because of performance and database size restrictions (10 GB and approximately 2000 users)¹.
8MAN Server	<ul style="list-style-type: none"> • Microsoft Windows Server® 2003 SP2 and 2003 R2 in 32-bit and 64-bit Cluster is not supported • Microsoft Windows Server® 2008 SP1 in 32-bit and 64-bit, 2008 R2 in 64-bit Cluster is not supported, Server Core is not supported • Microsoft Windows Server® 2012 and 2012 R2 in 64-bit Cluster is not supported, Server Core is not supported • Recommended: .NET 3.5 SP1 and .NET 4.5.1 • Minimum: .NET 3.5 SP1 and .NET 4.0.3

8MAN Collector	<ul style="list-style-type: none"> • Microsoft Windows Server® 2003 SP2 and 2003 R2 in 32-bit and 64-bit Cluster is supported² • Microsoft Windows Server® 2008 SP1 in 32-bit and 64-bit, 2008 R2 in 64-bit Cluster is supported², Server 2008 R2 Core is supported³ • Microsoft Windows Server® 2012 and 2012 R2 in 64-bit Cluster is not supported, Server Core is not supported • Recommended: .NET 3.5 SP1 and .NET 4.5.1 • Minimum: .NET 3.5 SP1 and .NET 4.0.3
8MATE AD Logga	<ul style="list-style-type: none"> • Microsoft Windows Server® 2008 SP1 in 32-bit and 64-bit, 2008 R2 in 64-bit Cluster is not supported, Server Core is not supported • Microsoft Windows Server® 2012 and 2012 R2 in 64-bit Cluster is not supported, Server Core is not supported • Recommended: .NET 3.5 SP1 and .NET 4.5.1 • Minimum: .NET 3.5 SP1 and .NET 4.0.3
8MATE FS Logga for Windows file server	<ul style="list-style-type: none"> • Microsoft Windows Server® 2008 SP1 and 2008 R2 in 64-bit Cluster is not supported, Server 2008 R2 Core is supported³ • Recommended: .NET 3.5 SP1 and .NET 4.5.1 • Minimum: .NET 3.5 SP1 and .NET 4.0.3
8MATE FS Logga for NetApp file server	<ul style="list-style-type: none"> • Microsoft Windows Server® 2008 SP1 and 2008 R2 in 64-bit Cluster is not supported, Server Core is not supported • Recommended: .NET 3.5 SP1 and .NET 4.5.1 • Minimum: .NET 3.5 SP1 and .NET 4.0.3
8MATE GrantMA	<ul style="list-style-type: none"> • Microsoft Windows Server® 2008 R2 in 64 bit (with IIS 7.5) Cluster is not supported, Server Core is not supported • Microsoft Windows Server® 2012 and 2012 R2 in 64-bit (with IIS 8.0 or 8.5) Cluster is not supported, Server Core is not supported <p>Additionally the 8MATE GrantMA requires one of the following browsers</p> <ul style="list-style-type: none"> • Internet Explorer 9 or later • Mozilla Firefox 27 or later • Google Chrome 35 or later

8MAN user interfaces	<ul style="list-style-type: none"> • Microsoft Windows Server® 2003 SP2 and 2003 R2 in 32-bit and 64-bit Cluster is not supported • Microsoft Windows Server® 2008 SP1 in 32-bit and 64-bit, 2008 R2 in 64-bit Cluster is not supported, Server Core is not supported • Microsoft Windows Server® 2012 and 2012 R2 in 64-bit Cluster is not supported, Server Core is not supported • Microsoft Windows® XP Professional SP3 in 32-bit • Microsoft Windows® Vista, 7, 8, 8.1 (Professional or higher) in 32-bit and 64-bit <p>For all user interfaces</p> <ul style="list-style-type: none"> • Recommended: .NET 3.5 SP1 and .NET 4.5.1 • Minimum: .NET 3.5 SP1 and .NET 4.0.3
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¹ Microsoft system requirements recommendations for this SQL server: www.microsoft.com

² The 8MAN Collector can be installed on a member server (node) of a cluster (other 8MAN components cannot be installed on a cluster). But the 8MAN Collector cannot be used as a cluster resource (fail over cluster management).

³ Installation only possible with the Microsoft Windows Installer (MSI) and no automatic Collector update. If that creates problems for you, please contact our support team (see page 2).

3 Network requirements

The default port used for the communication between 8MAN Server, Collector and user interface is 55555. The port has to be accessible bidirectional so that the 8MAN components can communicate. The default port can be changed by editing the configuration xml files of the 8MAN Server and Collector (requires restarting the 8MAN Service afterwards). In the 8MAN user interface login dialog you can then enter the changed port. For the communication with the Microsoft SQL Server®: www.microsoft.com

4 Scannable technologies

4.1 Active Directory servers

- Microsoft Windows Server® 2003 and 2003 R2 all versions in 32-bit and 64-bit, not supported by 8MAN AD Logga
- Microsoft Windows Server® 2008 and 2008 R2 all versions in 32-bit and 64-bit
- Microsoft Windows Server® 2012 and 2012 R2 all versions in 64-bit

4.2 File servers

- Microsoft Windows Server® 2003 and 2003 R2 all versions in 32-bit and 64-bit (cluster is supported)
- Microsoft Windows Server® 2008 and 2008 R2 all versions in 32-bit and 64-bit (cluster is supported)
- Microsoft Windows Server® 2012 and 2012 R2 all versions in 64-bit (cluster is supported)
- NetApp Data ONTAP Release 7.3.1 or higher
- EMC Celerra
- DFS (domain integrated and stand-alone Computer)

4.3 Exchange versions

- Microsoft Exchange Server® 2007
- Microsoft Exchange Server® 2010
- Microsoft Exchange Server® 2013

4.4 SharePoint versions

- Microsoft SharePoint Server® 2007
- Microsoft SharePoint Server® 2010
- Microsoft SharePoint Server® 2013

4.5 VMware vSphere versions

- VMware vSphere® 5.0

Appendix

Appendix I: Software license acknowledgements

- Json.net, © 2006-2014 Microsoft, <https://json.codeplex.com/license>
- #ziplib 0.85.5.452, © 2001-2012 IC#Code, <http://www.icsharpcode.net/opensource/sharpziplib/>
- PDFsharp 1.33.2882.0, © 2005-2012 empira Software GmbH, Troisdorf (Germany), http://www.pdfsharp.net/PDFsharp_License.ashx
- JetBrains Annotations, ©2007-2012 JetBrains, <http://www.apache.org/licenses/LICENSE-2.0>
- Microsoft Windows Driver Development Kit, © Microsoft, EULA on the computer with installed FS Logga for Windows File server under: C:\Program Files\protected-networks.com\8MAN\driver (only used for FS Logga for Windows File server)
- NetApp Manageability SDK, © 2013 NetApp, <https://communities.netapp.com/docs/DOC-1152> (only used for FS Logga for NetApp File server)
- WPF Shell Integration Library 3.0.50506.1, © 2008 Microsoft Corporation, <http://archive.msdn.microsoft.com/WPFShell/Project/License.aspx>

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