

Hardware requirements

		TEST ENVIRONMENT	ACCEPTANCE ENVIRONMENT (same as production environment)		
		1 server *1	Application Server *2	Database Server MV *3	OCR Server *4
Medical Viewer Hardware & Software	CPU requirements	Quad Core CPU	Dual Core CPU	Dual Quad Core CPU	Quad Core CPU *7
	Internal memory	4GB Memory	8GB Memory	16GB Memory	16GB Memory (64 bit), 8GB (32 bit)
	Operating System	Windows 2008 server 64 bit	Windows 2008 server 64 bit	Windows 2008 server 64 bit	Windows 2008 server 32bit *12
	MV Database	SQL Server 2008 64 bit		SQL Server 2008 64 bit	SQL Server 2008 64 bit *8 *9
	Web services	Windows Internet Information Server	Windows Internet Information Server	(-)	
	Development Environment	.NET Framework *11		(-)	.NET Framework *11
		Silverlight components	Silverlight components	(-)	
					Database with full text (OCR)
Application storage requirements	Storage capacity for Operating System	30 GB	30 GB	30 GB	30 GB
	Storage capacity for Allgeier applications	30 GB	30 GB		5GB *10
	Storage capacity for data (MDF)	50 GB (data & transaction)		50 GB	20 kByte/image
	Storage capacity for transaction (LDF)			20 GB	5kByte/image
Image Storage requirements	Initial storage requirements for dual stream		82 GByte per 10.000 files of 20 sheets		
	Existing image storage		to calculate		
	Type	SAN, NAS *14			
Storage Increase forecast of the applications	Medical Viewer	N.A.	30 GB		
	Scanview	N.A.	30 GB		
	Scanflow	N.A.	20 GB		
	OCR *5	N.A.			25 kByte/image

	Operating System	Internal Memory	Software requirements	Citrix environment
MV Classifier	At least Windows XP	2GB	Dot Net Framework *11	Citrix specifications. 1 user max.
MV Archive Manager	At least Windows XP	2GB	Dot Net Framework *11	Citrix specifications. 1 user max.
MV Separator sheet	At least Windows XP	1GB	Dot Net Framework *11	Citrix specifications.
MV Clients	Windows PC	1GB	Internet Explorer + Microsoft Silverlight Components	

Use of virtual servers

*1 and *2 and *3: can be placed on a virtual server. Attention: if the VM server interrupts the network connection for software updates, the archiving service (Scanview) will no longer be operational. This service and all related services and applications (MVClassifier, MVArchiveManager) need to be restarted manually.

*4: no virtual servers allowed. This is a combination of an application server & database server in one single server.

About clustering

Attention: when using Clustering the OCR-server with other servers, double ABBYY licences are required. Most customers do not opt for this solution. Attention: when clustering Scanview, double Scanview licences are required, including double APIs and Scanview modules. These licences are not core-dependent.

About combining installations of several applications on one server

Performance loss may result from combining servers.

Remarks regarding OCR

(when using a standalone Medical Viewer, not integrated in an EPR / EPD)

*5 Consider storage of 15kByte per image. The index XML points to these separate files.

*7 Attention: this is a single thread-service (treats 1 image at a time)

*8 32 bit minimal, 64 bit offers a significant performance increase!

*9 The pointers of which images correspond with which Full Text files, are preferably stored in a separate database.

*10 This is only the ABBYY application.

Further technical remarks

*11 Dot Net Framework 2.0, 3.5 & 4.0 + the updates. First install 2.0 separately, then version 3.5, then all updates in one operation. That way, all of the 2.0 components are registered correctly.

*12 May also be a 64bit. This server will be booted as a 32 bit server.

*13 version depends on the version of the installed OS

*14 Preferably SAN (regardless of the technology, e.g. Fibre, dedicated). Attention: when using NAS, the bandwidth of the network can be a constraint. May also be a Database Cluster Windows 2008.



MedicalViewer

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