

Operational Environment for audimex 9



Server components

Color descriptions:

- 1** This environment is officially supported and recommended. The installation documentation is included.
- 2** This environment is not a standard environment. Sometimes there are necessary adjustments which are free of charge. The installation documentation is included.
- 3** This environment is not a standard environment. A feasibility analysis has to be done. The costs of the analysis are charged.
- 4** This environment is incompatible with audimex.

application server os	webserver	database driver	database	perl	product test supported	used with audimex
All components have to be installed with default-settings. We presume the installation according to our installation documentation.						
1 Windows 2008 Server (32-Bit)	IIS 7	ODBC Microsoft	SQL Server 2008	Active State Perl 5.10.0	yes	8.0
1 Windows 2008 Server (32-Bit)	IIS 7	ODBC Microsoft	SQL Server 2005		-	
2 Windows 2008 Server (32-Bit)	IIS 7	ODBC Microsoft	SQL Server 2000		-	
3 Windows 2008 Server (32-Bit)	IIS 7	ODBC Microsoft	DB2		-	
2 Windows 2008 Server (32-Bit)	IIS 7	Oracle Client Tools	Oracle 10.x		8.0	
2 Windows 2008 Server (32-Bit)	IIS 7	Oracle Client Tools	Oracle 9.x		-	
2 Windows 2008 Server (32-Bit)	IIS 7		PostgreSQL 7.4		8.0	
1 Windows 2003 Server (32-Bit)	IIS 6	ODBC Microsoft	SQL Server 2008		-	
1 Windows 2003 Server (32-Bit)	IIS 6	ODBC Microsoft	SQL Server 2005		8.0	
2 Windows 2003 Server (32-Bit)	IIS 6	ODBC Microsoft	SQL Server 2000		7.7	
3 Windows 2003 Server (32-Bit)	IIS 6	ODBC Microsoft	DB2		-	
2 Windows 2003 Server (32-Bit)	IIS 6	ODBC Microsoft	Oracle 10.x		8.1	
2 Windows 2003 Server (32-Bit)	IIS 6	Oracle Client Tools	Oracle 9.x		7.6	
3 Windows 2003 Server (32-Bit)	Apache 1.3	Oracle Client Tools	Oracle 9.2		6.0	
2 Windows 2000 Server (32-Bit)	IIS 5	ODBC Microsoft	SQL Server 2000		7.0	
3 Windows 2000 Server (32-Bit)	Apache 2.0		DB2 (7 oder 8)		6.3	
2 Windows 2000 Server (32-Bit)	Apache 2.0	Oracle Client Tools	Oracle 9.2		6.0	
1 Suse Linux Enterprise Server 10 (SP2) (32-Bit)	Apache 2.2		Oracle 10.x		yes	8.0
1 Suse Linux Enterprise Server 10 (SP2) (32-Bit)	Apache 2.2		PostgreSQL 8.x		8.0	
1 Suse Linux Enterprise Server 10 (SP2) (32-Bit)	Apache 2.0		PostgreSQL 7.4		7.6	
1 Suse Linux Enterprise Server 10 (SP2) (32-Bit)	Apache 2.0		Oracle 10.x	8.0		
1 Suse Linux Enterprise Server 10 (SP2) (32-Bit)	Apache 2.0		Oracle 9.x	8.0		
1 Suse Linux Enterprise Server 9 (32-Bit)	Apache 2.0		PostgreSQL 7.4	7.6		
1 Suse Linux Enterprise Server 9 (32-Bit)	Apache 2.0		Oracle 10.x	8.0		
1 Suse Linux Enterprise Server 9 (32-Bit)	Apache 2.0		Oracle 9.x	8.0		
3 Red Hat 4.4	Apache 2.0		Oracle 10.2	6.0		
3 Red Hat 3	Apache 2.0		DB2 8.1	6.0		
4 *	*	*	MySQL			
3 Other Combinations						

Client components

Operating system:

1 Windows Vista (32-Bit)

1 Windows XP (32-Bit)¹

¹ Not all UTF-8 characters are available (i.e. Excel, Word etc.)

Browser:

1 Internet Explorer 8² Javascript and Ajax enabled.

1 Internet Explorer 7² Javascript and Ajax enabled.

3 Internet Explorer newer than 6 SP 2² Javascript and Ajax enabled.

1 Firefox 3 Javascript and Ajax enabled.

2 Firefox 2 Javascript and Ajax enabled.

² "Run ActiveX controls and plug-ins", "Script ActiveX controls marked safe for scripting" and "automatic prompting for file" enabled (IE).

It's recommended that audimex runs as a trusted site (to set in security options)

Office software:

1 Microsoft Office 2007

1 Microsoft Office 2003

1 Microsoft Office XP (2002)³

1 Microsoft Office 2000⁴

³ Not all Word-based features are available. Excel-XML processing needs Plug-in for Office (Client installation)

⁴ Not all Word-based features are available. Excel-XML processing is not feasible.

Delimitation

Operating System, Database, Webserver

The declaration of the executability in a named standard operating environment applies only provided that the respective products of operating system, database and webserver are kept up-to-date with respect to patches by the respective software vendors and are configured with default-settings.

Interoperability

We explicitly have to point out that software components can interact in manifold ways intentionally and unintentionally. We cannot give any warranty for interactions (positive or negative) with other software products, like tools for backup or system-monitoring tools, without explicit evaluation of the individual combination.

Hardware recommendation

Assumptions:	<p>The following recommendations are based on several assumptions:</p> <ul style="list-style-type: none"> * All auditors actually use the system. * audimex is "typically" used. The recommendations rely upon experiences with other customers. So we assume a similar usage pattern. * No severe clusters of usage appear. If for instance all your 100 auditors have to enter their weekly time sheet on monday 9:00 to 9:15 this causes a much higher load.
Influences:	<p>Several factors have an influence on the performance (and therefore the required sizing) of an audimex system, e.g.:</p> <ul style="list-style-type: none"> * no. of documents stored with an audit * average size of documents * with or without auditee access * use of functions (planning, follow-up, audit field work, etc.) * use of complex and large reports * other applications that might run on the machine, including operating system and services * poorly configured virus scanner
Exact Sizing:	<p>Sizing of hardware always is an optimization between performance and cost. We recommend to use state-of-the-art but not high-end hardware. As CPU types and other parameters of hardware change pretty frequently, we do not specify exactly a type of hardware such as a CPU. We rather give you an order of magnitude. This also makes sense as a lot of influence factors exist that imply a better or not so good hardware (see above).</p>

Setup	Server for about 20 users	Server for about 100 users	Server for about 300 users
Application+DB on a common server (32-bit)	3 GB RAM, 2 CPU cores, harddisk: ca. 8 GB/year (for DB)	not recommended	not recommended
Applicationserver (without DB; 32-bit)	3 GB RAM, 2 CPU cores harddisk: 2 GB for audimex	4 GB RAM, 4 CPU cores harddisk: 2 GB for audimex	4 GB RAM, 8 CPU cores harddisk: 2 GB for audimex
DB-Server (without application; 32-bit or 64-bit)	3 GB RAM, 1 CPU cores harddisk: ca. 8 GB/year	8 GB RAM, 4 CPU cores, harddisk: ca. 15 GB/year	16 GB RAM, 8 CPU cores, harddisk: ca. 30 GB/year