
Software and Hardware Requirements for GRANTA MI 5.0

Third Party Software

The general pre-requisites for running Granta MI are:

- Microsoft Windows Server 2003 or later with all critical Windows updates at time of release
- Microsoft Internet Information Services (IIS)
- Microsoft .NET Framework Runtime v4.0*
- Microsoft Data Access Components v2.8 (MDAC) *
- Microsoft SQL Server 2005 or later
- Microsoft IE 7.0 or later or Firefox with Javascript support enabled

The following sections describe the detailed software requirements for running Granta MI. Note that the requirements are given per tier, but do not change if the tiers are combined.

Database Server

The following table list the combinations of OS and Database server which are certified for the database tier

Operating System		SQL Server Version			
		SQL Server 2008 R2	SQL Server 2008	SQL Server 2005	SQL Server 2005 Express
32 bit	Windows Server 2008 R2	Supported	Supported	Supported	Supported
	Windows Server 2008 SP2	Supported	Certified	Certified	Supported
	Windows Server 2003 SP2	Supported	Supported	Certified	Supported
	Windows 7 Professional**	Supported	Supported	Certified	Certified
	Windows Vista Business**	Supported	Supported	Certified	Supported
	Windows XP Business SP3**	Supported	Supported	Supported	Certified
64 Bit	Windows Server 2008 R2	Supported			
	Windows Server 2008 SP2	Supported	Supported	Supported	Supported
	Windows Server 2003	Supported	Supported	Certified	Supported
	Windows 7 Professional**	Supported	Supported	Supported	Supported
	Windows Vista Business**	Supported	Supported	Supported	Supported
	Windows XP Business SP3**	Supported	Supported	Supported	Supported

* Included in Installation Package

** These configurations only supported in trial installations

All configurations are supported under Microsoft Windows Virtual Server and Microsoft Hyper-V

Application and Web Servers

The following table lists the OS' which are certified or supported for hosting the application and/or web tier (i.e. the servers which hosts MI:Server and/or MI:Viewer)

32 bit	Windows Server 2008 R2	Supported
	Windows Server 2008 SP2	Certified
	Windows Server 2003 SP2	Certified
	Windows 7 Professional**	Certified
	Windows Vista Business**	Certified
	Windows XP SP3 Business**	Certified
64 Bit	Windows Server 2008 R2	Supported
	Windows Server 2008 SP2	Supported
	Windows Server 2003	Certified
	Windows 7 Professional**	Supported
	Windows Vista Business**	Supported
	Windows XP SP3 Business**	Supported

Clients

The following table lists the certified and supported OS' for the Granta MI client applications

32 bit	Windows Server 2008 R2	Supported
	Windows Server 2008 SP2	Certified
	Windows Server 2003 SP2	Certified
	Windows 7 Professional	Certified
	Windows Vista Business	Certified
	Windows XP SP3 Business	Certified
64 Bit	Windows Server 2008 R2	Supported
	Windows Server 2008 SP2	Supported
	Windows Server 2003	Certified
	Windows 7 Professional	Supported
	Windows Vista Business	Supported
	Windows XP SP3 Business	Supported

Minimum Hardware Requirements

Servers

Granta MI is deployed with a wide variety of types of database, user audience and pattern of use. These hardware requirements listed below are the minimum for a small enterprise using a database containing an even proportion of data types, with an even spread of tool usage by users. Other deployments may require more processor speed for the same number of users.

Licensed number of users: 1000
Processor (per tier): Intel Xeon 2.8GHz
RAM (per database): 200-400MB
Storage (per database): 2-5GB

Notes

CPU: The performance of the Granta MI application tier scales linearly with CPU performance and with concurrent usage: a faster processor will always yield better performance. In configurations where tiers are hosted together, it is recommended (although not required) that each tier be able to use an individual processor or processor core.

RAM: The application tier requires a minimum amount of memory to initialize, the amount of which is strongly dependant on the content of the database(s), and an additional ~30MB per concurrent user. In cases where the amount of memory is limited (e.g. a 32bit or virtual environment) and/or the number and size of databases is large Granta can estimate the amount of memory required. The web tier requires additional memory (~100-200MB). The database tier benefits from free access to RAM to allow SQL server to optimize data access (200-1000MB)

Storage: Granta MI databases are typically of the order of 00's-000's MBs. The applications themselves are of the order of 10's MBs.

Windows Client

Processor: 2 GHz Pentium
RAM (per database): 1 GB
Storage (per database): 100Mb