

## TD0171 - Micro Concepts Data Management Server 2011

### Recommendations

An implementation of Inventor will store many files on your network including shared files such as templates, design data, sheet metal punch catalogues and library files that will be accessed frequently. You may choose to utilise network licensing which requires a license server application and creation of a scripted installation or deployment to install the software to each workstation. Most critical is the demand of the Autodesk Data Management Server software that hosts the Content Centre databases, Vault database and filestore. Utilising Internet Information Services, the Data Management Server is the hub of the Inventor implementation. Maximising the performance and accessibility of this software is essential for a successful Autodesk implementation.

Installing the Data Management Server software on an existing server may be possible subject to preinstall checks but is not recommended when sharing resources with memory hungry server applications such as Microsoft Exchange. Many companies use the Microsoft Small Business Server operating system which provides many office tools in one package. Running Autodesk Data Management Server on a Microsoft Small Business Server will cause the performance of Small Business Server applications and the Autodesk Data Management Server software to be degraded.

Micro Concepts recommend the use of a dedicated server to host the Autodesk Data Management Server and shared resources used by Inventor. Three levels of server can be supplied based on the level of activity planned for the implementation. Consideration should be given to planned expansion of the design team both in the current office and expansion to external offices. The number of users, the quantity of data generated and the consumption/access of the data all impact on the server requirements. The server specification is not just about hardware performance. As your demand grows, the software options also need to develop. Using a workstation operating system will limit the number of concurrent connections and will prevent future upgrade to a full version of the SQL Server database. A server operating system and full SQL Server is required for configuring a multisite replicated Vault environment. When purchasing a server that will be used for three years, the specification should be based on the requirements in the last year, not the first.

#### **Server guidelines:**

##### **Entry Level**

Targeted for use in small design offices with minimal IT infrastructure. This workstation provides central storage of Inventor and AutoCAD data and will host the Content Center databases and license manager software. Recommended number of users 1 to 3.

##### **Specification**

Operating system:	Windows 7 64bit
RAM:	2 GB
Processor:	Intel Dual Core
DVD drive:	DVD for software installation
SQL version:	Microsoft SQL 2008 Express*
Disk configuration:	Simple SATA drives to provide adequate storage (250GB)
Networking:	Gigabit network card. Peer to peer connectivity
Warranty:	3 year next business day warranty
Recommended Options:	Backup device and software

### Standard Level

A typical server to host Autodesk Vault in a Design Office with 2 to 10 Inventor or AutoCAD users. Hosting the Autodesk Data Management Server, license manager, installation deployments and shared content. This server will likely integrate with an existing IT infrastructure.

#### Specification

Operating system:	Windows Server 2008 64bit
RAM:	4GB
Processor:	Intel Dual Core or Quad Core
DVD drive:	DVD for software installation
SQL version:	Microsoft SQL 2008 Express*
Disk configuration:	Simple SATA drives to provide adequate storage (500GB)
Networking:	Gigabit network card
Warranty:	3 year next business day warranty
Recommended Options:	Upgrade to full SQL Server 2008 Standard Edition** Backup device and software 19" Rackmount or Tower configuration UPS
Additional licensing:	Windows Server Client Access Licenses SQL Server Client Access Licenses (option)

### Advanced Level

This server package will provide the necessary resources to host Autodesk's Data Management software. Utilising a full license of SQL Server Standard Edition and your existing wide area network connection, a replicated Vault can be configured to connect to servers at remote offices ensuring the latest released documents are available at each site to reduce versioning errors between design and manufacturing offices.

#### Specification

Operating system:	Windows Server 2003 / 2008 64bit
RAM:	4-6GB
Processor:	Intel Quad Core Xeon
DVD drive:	DVD for software installation
SQL version:	Microsoft SQL Server 2008 Standard Edition**
Disk configuration:	RAID 10 to provide adequate storage (500GB to 1TB+)
Networking:	Gigabit network card
Warranty:	3 year next business day warranty
Recommended Options:	Backup device and software 19" Rackmount or Tower configuration UPS 2 x power supplies for redundancy
Additional licensing:	Windows Server Client Access Licenses SQL Server Client Access Licenses

\*SQL 2008 Express is included with the Inventor 2011 installation. The database size is limited to 4GB and will access 1GB maximum of RAM. This database can be upgraded to full SQL at a later date. Full SQL requires a Windows Server 2003 / 2008 operating system.

\*\*Microsoft does not support installation of full SQL 2008 on a domain controller.

In most cases, an existing network infrastructure is already available and can be utilised by these servers. If you require network leads, hubs, racks or cabling solutions with your server, please speak to your Micro Concepts Account Manager.