

Recommended Server Hardware for Engineering Base

Recommendation

The following hardware recommendation is based on experiences with:

- Customers
- In-house testing
- Data provided by Microsoft

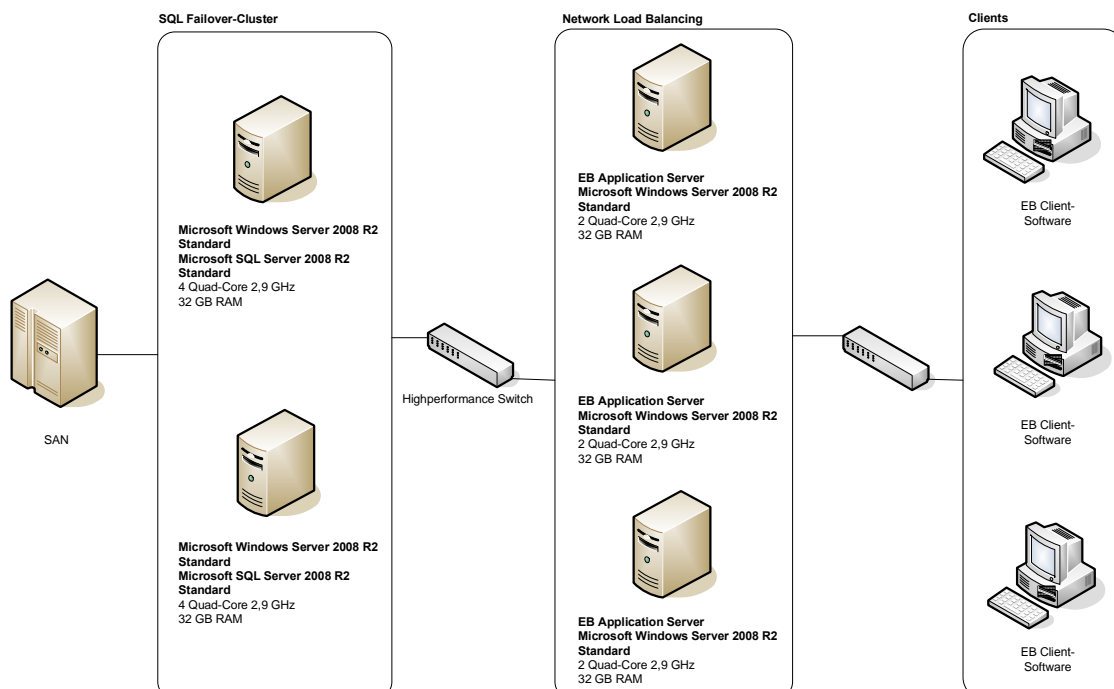
This recommendation is based on these experiences to make it as realistic as possible.

However, parameters like available network bandwidth, hardware manufacturer and your specific workflow cannot be considered.

Possible Scenario

This is an example of the scalability of Engineering Base. To use Engineering Base with a high number of users (> 20) you are able to increase the performance, the data security and the availability by working with a 3 layer model.

(SQL-Server <-> EB-Applicationserver <-> EB-Client).



¹ You can find additional information in the chapter "In Addition"

Recommended Hardware

1 to 10 users:

EB Application Server / SQL Server

- Processor: 1 x Dual Core Intel Xeon 3.16 GHz, 6 MB Cache
- RAM: 4 GB¹
- Hard drive: 2 x 146 GB (for the system)
4 x 146 GB¹ (database)
- Optical Hard drive: DVD
- Operating System: MS Windows Server 2008 R2, 2008, 2003 R2
Standard Edition

10 to 20 users:

EB Application Server / SQL Server

- Processor: 1 x Intel Xeon X5570 2.93 GHz, 8 MB Cache
- RAM: 12 GB²
- Hard drive: 2 x 146 GB (for the system)
4 x 146 GB³ (database)
- Optical Hard drive: DVD
- Operating System: MS Windows Server 2008 R2, 2008, 2003 R2
Stand. Edition x64

> 20 users:

To make a realistic recommendation for this size of Server please contact AUCOTEC.

¹ You can find additional information in the chapter "In Addition"

In Addition

- Required disc space for the application: max. 1.8 GB
- Windows Installer will be installed
- .Net-Framework will be installed
- Microsoft SQL Server 2008 R2 Standard will be installed
- Microsoft SQL Server 64-bit is possible
- Using different hard drives for SQL Server database files and SQL Server log files can improve the performance
- Fast hard discs (15K RPM) are recommended
- Recommendation of Microsoft: RAID 10 (<http://msdn.microsoft.com/de-de/library/ms190764.aspx>)
- Internet Explorer 6.0 SP1 or higher is required
- Optional Microsoft Client Access Licenses
- The size of the RAM depends on:
 - EB Application Server processes: Each User starts his own process on the server, each process needs ~ 300 MB
 - The number and size of the projects (2% of database size)
 - The operating system, SQL Server, virus scan and other processes: ~ 1 GB RAM
- The size of the disc space for the database depends on:
 - Number of drawings: ~ 1 GB per 1000 drawings
 - Number of backups
 - Integration of other documents into the project (xlsx, docx, bmp, ...)

¹ You can find additional information in the chapter "In Addition"