



It is recommended to split the web server and database into two separate servers, however if needed both roles can be combined on a single server.

CLIENT HOSTING REQUIREMENTS

Web/Application Server

This web server will be the public facing site for prospects to apply and make application payments. This server must be located in the network DMZ. The available internet network connection speed of this server will impact webpage load times to end users.

Database Server

This server will contain all of the data for the system, including all applications driven by the Front End. This server should be located behind your firewall with only SQL and Windows Authentication ports open to the Web Server.

SOFTWARE REQUIREMENTS

Web/Application Server:

OS Minimum: Windows Server 2008R2, 2012, 2012R2, 2016

OS Recommended: Windows Server 2016

Software: Internet Information Services (IIS) 7.0+, Microsoft .NET 4.5

Database (DB) Server:

OS Minimum: Windows Server 2008R2, 2012, 2012R2, 2016

OS Recommended: Windows Server 2016

DB Software Minimum: SQL Server 2008+ Express or Standard

DB Software Recommended: SQL Server Express 2017 or Standard



HARDWARE REQUIREMENTS

Web/Application Server Minimum:

- Processor: Intel Core i3/i5 processor or equivalent (2 or more cores)
- RAM: 8GB
- Disk space: 100GB

Web/Application Server Recommended:

- Processor: Intel Xeon processor or equivalent (2 or more cores)
- RAM: 16GB
- Disk space: 200GB (up to 100GB+ extra if there will be uploading of documents)

Database Server Minimum:

- Processor: Intel Core i3/i5 processor or equivalent (2 or more cores)
- RAM: 16GB
- Disk space: 200GB

Database Server Recommended:

- Processor: Intel Xeon processor or equivalent (3 or more cores)
- RAM: 32GB
- Disk space: 300GB

POSSIBLE CONFIGURATIONS

Single Server (Minimum): In this configuration you would use one server to host everything (Front End, Console and Database.) This should be avoided if possible due to possible resource conflicts between SQL Server and IIS. The Database should be located behind the school's firewall for added security.

Two Servers (Recommended): In this configuration one server would host both web sites (Front End and Console) and the second server would host the Database. In this setup your database will not conflict with IIS and will be located behind the firewall.