

FITNESSGRAM 9 System Requirements: District/School

FITNESSGRAM 9 is intended to be used by teachers without requiring any software to be installed in individual schools or on individual computers. It does this by making all FITNESSGRAM functions available using an Internet browser, accessing district and/or school owned web servers that run the FITNESSGRAM 9 software.

This document is intended to be used as a guide for estimating the server hardware that will be required by a district or school that plans to implement FITNESSGRAM 9.

Please have your District/School technical staff review the system requirements before purchase.

Server Types and Requirements

Two types of servers are needed by the FITNESSGRAM 9 system: Web Servers and SQL (database) Servers. The minimum specifications for these servers are described in this section; the estimated number of servers that will be required is covered in the next section.

- Windows Server 2003 or 2008, 32bit and 64bit
- Quad Core Xeon or Higher processor, minimum 2.5 GHz
- 4GB of Memory
- At least 30GB of disk space required

Note: A Windows Server dedicated to Fitnessgram 9 is a must. ASP.net is required for Fitnessgram 9 and this application does not function properly in an environment where ColdFusion is installed on the server used for Fitnessgram 9. The Fitnessgram 9 server cannot have ColdFusion installed on it. Fitnessgram 9 will be installed and run as the default website on your dedicated server.

Prerequisites: District

- Microsoft Internet Information Services (IIS6 for Windows Server 2003)(IIS7 for Windows Server 2008) Installed
- Microsoft .Net 2.0 SP1 Installed
- Windows Server 2003 or 2008, 32bit and 64bit
- Microsoft SQL Server 2005 or 2008 licensed version for Districts
- Quad Core Xeon or Higher processor, minimum 2.5 GHz
- 4GB of Memory
- At least 30GB of disk space required
- 50KB of Disk Space Required per student per school year

Prerequisites: School

- Microsoft Internet Information Services (IIS6 for Windows Server 2003)(IIS7 for Windows Server 2008) Installed
- Microsoft .Net 2.0 SP1 Installed
- Windows Server 2003 or 2008, 32bit
- Microsoft SQL Server Express for single School installation (if SQL Server Express is not present the installer will install it)
- Quad Core Xeon or Higher processor, minimum 2.5 GHz
- 4GB of Memory
- At least 30GB of disk space required
- 50KB of Disk Space Required per student per school year

Quantity of Servers Required

At least one Web Server and one SQL Server are needed for larger districts. Small districts and the school version of FG9 will be able to use the single server installation.

One Web Server should be able to support approximately 20,000 concurrent users (doing a mix of different functions with an average of two page views per minute). For example, if a district has 100,000 students that use FITNESSGRAM, and at the most 30% of them might be using the system at the same time of the day, then the peak load of 30,000 users (100,000 x 30%) would be supported by two Web Servers. A single user accessing FITNESSGRAM uses approximately 10kb.

One SQL Server will be needed for approximately every 160,000 concurrent users. If more than this number of concurrent users is expected in a district, then higher performance hardware should be considered in order to support these users.

Staff requirements

A single school or district implementing FITNESSGRAM 9 will have to have a qualified SQL administrator who can build and maintain SQL servers; maintain and run queries on SQL databases; write batch files; set up nightly jobs to update SQL databases; troubleshoot database issues; utilize SQL server management studio if a district installation or utilize SQL server management studio express if a single school installation and do backups and restores.

The school or district will also need a web server administrator who can do installation, configuration and maintenance on web servers. They will need to understand iis6 and/or iis7, be able to provide email services, extend the Web Environment, manage security and monitor the environment.

If there are unanswered questions or a need for further information please contact:

Technical Support

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Monday – Friday, 7am to 7pm CST