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**SuccessMaker Learning Management System  
System Requirements v1.0**

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# 1

## Overview

The Pearson SuccessMaker product is an innovative approach to courseware that provides standards-aligned content and reporting, student activity assignment by objective, and content leveling based on current grade-specific pedagogy.

The SuccessMaker instructional platform allows flexible deployment configurations to meet the needs of districts and schools regardless of their size and infrastructure. Its scalable configurations enable you to augment your initial investment with additional functionality as your schools evolve and grow.

The SuccessMaker curriculum aligns with national and state standards. It focuses on curriculum for reading grades K through 5 and math grades K through 8.

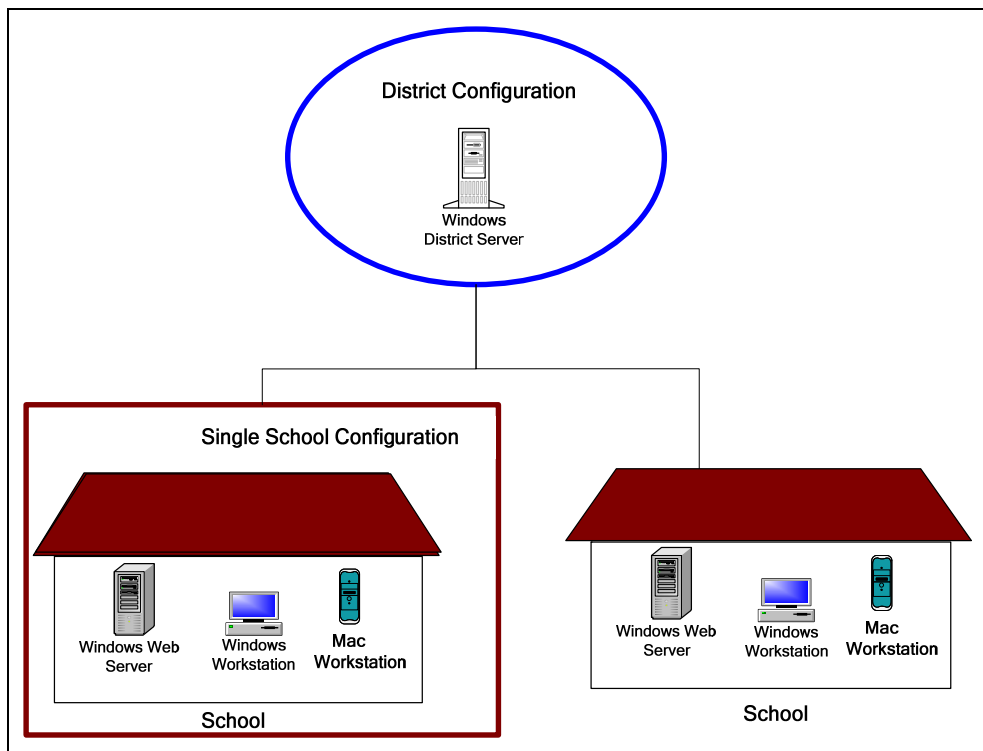
This document describes the deployment configurations that are supported by SuccessMaker Version 1.0 and the system requirements needed to support those configurations.

Based on current hardware and software technologies, Pearson has determined that the system requirements listed in this document will deliver acceptable operation and performance. Your site's actual performance may vary due to different configurations, including the following:

- Server application loading
- Available network bandwidth
- Client security configuration
- Number of concurrent users
- Courseware usage
- Other variables

System requirements are subject to change because of rapid advances and changes in technology, as well as future product enhancements. If you have questions regarding the suitability of your specific computing environment, contact your Pearson Sales Representative or Technical Specialist.

**Figure 1. SuccessMaker Network**



## Stand-alone Configuration

The stand-alone configuration provides the capability for one workstation to act as the client and the server at the same time.

The stand-alone configuration allows:

- All users to share the same workstation
- Student data to be stored on the local hard disk drive

# Server/Network Configuration

The Server/Network configuration provides the capability of an individual school or multiple schools to access the entire catalog of SuccessMaker courseware. Once implemented, this configuration can stand on its own or be a part of a District configuration.

The Server/Network configuration supports:

- A maximum of 240 concurrent users per application server
- A server that can reside on a local area network or wide area network bandwidth permitting
- Management system functionality
- Student performance data stored on the server
- Courseware content accessible via a content server

# District Configuration

The District configuration provides the capability for customers to meet the latest information and accountability demands.

This add-on module contains the following features:

- District-wide data collection
- District-wide reporting (future delivery)
- Product license transfer from school to school
- Student data transfer from school to school

# Automatic Updates

The SuccessMaker application provides automatic updating capabilities by using Pearson Management and Monitoring Application (MAMA) technology. These capabilities include automatic updates of courseware content, the Learning Management System (LMS), and state standards.

# 2

## System Requirements

This chapter describes the platforms that are tested and certified to run the SuccessMaker software.

The minimum requirements listed in this document are the absolute minimum requirements necessary to operate the system. Based on the school or district implementation strategy and usage patterns, your hardware requirements may be greater.

### Client Workstation Requirements

Client workstations are the systems that the end users access directly to interact with the SuccessMaker application. End users are students, teachers, and administrators.

Workstations can be in classrooms and labs. The client workstation is required to run:

- A web browser
- A java applet within a browser

The client workstation also can be used to deploy the SuccessMaker application in a stand-alone mode. In the Stand-alone configuration, the workstation is required to run all three of the previously listed applications, plus the following:

- Apache TomCat
- Java JDK/SDK for LMS services
- A PostgreSQL database
- MAMA client

## PC Client Workstation Requirements

These specifications are intended strictly as a guideline. They were developed in an environment free from network congestion, resource contention, and aggressive security measures.

Consider the minimum requirements applicable only if your workstations use a minimally configured and supported operating system, a minimally configured virus scanner, and only this Pearson application.

PC Platform	Minimum Requirements	Recommended
<b>Desktop Operating System:</b>		
<ul style="list-style-type: none"> <li>Windows 2000 Professional SP4</li> <li>Windows XP Home SP2</li> <li>Windows XP Professional SP2</li> </ul>	<p><b>Processor:</b> Pentium 4 @ 2 GHz (or faster)</p> <p><b>Memory:</b> 512 MB</p> <p><b>Storage:</b> 1 GB**</p>	<p><b>Processor:</b> Pentium D @ 3 GHz (or faster)</p> <p><b>Memory:</b> 1 GB</p> <p><b>Storage:</b> 1 GB**</p>
<ul style="list-style-type: none"> <li>Windows Vista*</li> </ul>	<p><b>Processor:</b> Pentium 4 @ 2 GHz (or faster)</p> <p><b>Memory:</b> 1 GB</p> <p><b>Storage:</b> 1 GB**</p>	<p><b>Processor:</b> Pentium D @ 3 GHz (or faster)</p> <p><b>Memory:</b> 2 GB</p> <p><b>Storage:</b> 1 GB**</p>
<p><b>NOTES:</b></p> <p>* OS requires 15 GB free space.</p> <p>** For a Stand-alone workstation, the hard disk drive requirement is 20 GB.</p>		
<b>Monitor Resolution</b>	1024 x 768 thousands of colors	
<b>Audio</b>	Any Creative Labs or 100% compatible sound card	
<b>Network Protocol</b>	TCP/IP	
<b>Microphone (Fluency Recording)</b>	<ul style="list-style-type: none"> <li>Koss CS100 stereo headphones with an integrated microphone or comparable</li> <li>Califone 3066AV dual headset microphone with boom</li> <li>A microphone with an external volume control is recommended.</li> </ul>	
<b>Internet Browser</b>	<ul style="list-style-type: none"> <li>Microsoft Internet Explorer 6 with Service Pack 2</li> <li>Microsoft Internet Explorer 7</li> </ul>	
<b>Additional Software</b>	Adobe Acrobat Reader 8 and JRE 1.5 or greater	
<b>Printer</b>	Any inkjet or laser printer supported by the operating system (color optional)	



## Mac Client Workstation Requirements

These specifications are intended strictly as a guideline. They were developed in an environment free from network congestion, resource contention, and aggressive security measures.

Consider the minimum requirements applicable only if your workstations use a minimally configured and supported operating system, a minimally configured virus scanner, and only this Pearson application.

Mac Platform	Minimum Requirements	Recommended
<b>Desktop Operating System:</b>		
<ul style="list-style-type: none"> <li>OS 10.4.X*</li> <li>OS 10.5.X*</li> </ul>	<p><b>Power PC</b>  <b>Processor:</b> G4 @ 1 GHz (or faster)</p> <p><b>Memory:</b> 512 MB</p> <p><b>Storage:</b> 1 GB of available HDD space</p> <p><b>Intel Core</b>  <b>Minimum Processor Speed:</b> 1.5 GHz</p> <p><b>Memory:</b> 512 MB RAM</p> <p><b>Storage:</b> 1 GB</p>	<p><b>Power PC</b>  <b>Processor:</b> G5 @ 2 GHz (or faster)</p> <p><b>Memory:</b> 1 GB</p> <p><b>Storage:</b> 1 GB of available HDD space</p> <p><b>Intel Core</b>  <b>Minimum Processor Speed:</b> 2 GHz</p> <p><b>Memory:</b> 1 GB RAM</p> <p><b>Storage:</b> 1 GB</p>
<b>NOTE:</b> * Version 1.0 does not support a Mac stand-alone.		
<b>Monitor Resolution</b>	1024 x 768 thousands of colors	
<b>Audio</b>	Built-in	
<b>Network Protocol</b>	TCP/IP	
<b>Microphone (Fluency Recording)</b>	<ul style="list-style-type: none"> <li>Koss CS100 stereo headphones with an integrated microphone or comparable</li> <li>Califone 3066AV dual headset microphone with boom</li> <li>Griffin iMic USB audio adapter to plug in the standard headset with microphone</li> <li>Microphone with an external volume control is recommended.</li> </ul>	
<b>Internet Browser</b>	<ul style="list-style-type: none"> <li>Safari 2.x for 10.4X</li> <li>Safari 3.x for 10.5X</li> </ul>	
<b>Additional Software</b>	JRE 1.5 or greater	
<b>Printer</b>	Any inkjet or laser printer supported by the operating system (color optional)	

# Server/Network Requirements

The server for the Server/Network configuration runs the LMS application and will be used to serve the content.

## Server/Network Configuration Requirements

These specifications are intended strictly as a guideline. They were developed in an environment free from network congestion, resource contention, and aggressive security measures.

Consider the minimum requirements applicable only if your workstations use a minimally configured and supported operating system, a minimally configured virus scanner, and only this Pearson application.

Network Platform	Minimum Requirements	Recommended*
<b>Server Operating System:</b>		
<ul style="list-style-type: none"> <li>Microsoft Windows 2000 Server SP4*</li> <li>Microsoft Windows 2003 Server SP1*</li> <li>Microsoft Windows 2003 Server R2*</li> </ul>	<p><b>Processor:</b> Intel Xeon @ 3 GHz, Dual Core processor or higher</p> <p><b>Memory:</b> 2 GB</p> <p><b>Hard disk drive:</b> 50 GB of free space available</p> <p><b>NOTE:</b> This configuration is not for Site Licensing.</p>	<p><b>Processor:</b> Intel Xeon @ 3 GHz, Quad Core processor or higher</p> <p><b>Memory:</b> 4 GB</p> <p><b>Hard disk drive:</b> 100 GB of free space available</p>
*Microsoft-Certified server required	<p>Approximate allocation:</p> <ul style="list-style-type: none"> <li>Application: 2 GB</li> <li>DB: 10 GB</li> <li>User Assets: 10 GB</li> <li>Content: 20 GB</li> </ul>	<p>Approximate allocation:</p> <ul style="list-style-type: none"> <li>Application: 4 GB</li> <li>DB: 20 GB</li> <li>User Assets: 20 GB</li> <li>Content: 40 GB</li> </ul>
<b>Network Protocol</b>	Static TCP/IP address	
<b>DVD</b>	A DVD is required for the installation.	
<b>Hard Disk Subsystem</b>	<ul style="list-style-type: none"> <li>SCSI, SAS, or SATA** drive</li> <li>RAID 1 or better</li> </ul> <p>** Servers with SATA drives can support a maximum of 50 workstations.</p>	<ul style="list-style-type: none"> <li>SCSI or SAS</li> <li>RAID 5 or better</li> </ul>

## Server/Network Configuration Capacities

Ethernet Topology	File Server	Number of NICs Required	Maximum Number of Workstations Supported
100 MB Switched	PC	1	120
Gigabit	PC	1	240

## District Aggregate Reporting Server Requirements

The District Aggregate Reporting server runs the LMS application in support of district level functionality, such as reports and data replication. The district reporting server is required to run a Java-based web and application server, Apache TomCat, the LMS services, a database server, and a data replication manager.

### Distributed District Configuration

A District implementation requires a report server for the District. Data is replicated, one way, from the remote schools to the District only for reporting purposes. All other functionality is handled within the distributed system.

### Wide Area Network (WAN)

A WAN is used to synchronize (replicate) school databases to the district database used by the District Office. This synchronization is necessary for District Aggregate Reporting.

#### NOTES:

- T-1 or equivalent is recommended for each school.
- Mac platforms are not supported as district servers.

## Aggregate Reporting Server Requirements

These specifications are intended strictly as a guideline. They were developed in an environment free from network congestion, resource contention, and aggressive security measures.

Consider the minimum requirements applicable only if your workstations use a minimally configured and supported operating system, a minimally configured virus scanner, and only this Pearson application.

Network Platform	Recommended*
<b>Network Operating System:</b> <ul style="list-style-type: none"> <li>Microsoft Windows 2003 Server SP1*</li> <li>Microsoft Windows 2003 Server R2*</li> </ul> <p>* Microsoft-Certified server required</p>	<b>Processor:</b> [Dual CPU] Intel Quad Core @ 2 GHz processor or higher <b>Memory:</b> 4 GB <b>Hard disk drive:</b> 200 GB of free space available <b>Approximate allocation:</b> <ul style="list-style-type: none"> <li>Application: 2 GB</li> <li>DB: 150 GB</li> </ul>
<b>Network Protocol</b>	Static TCP/IP address
<b>DVD</b>	A DVD is required for the installation.
<b>Hard Disk Subsystem</b>	<ul style="list-style-type: none"> <li>SCSI or SAS</li> <li>RAID 5 or better</li> </ul>
<b>NOTE:</b> Recommendations are for 100 schools with 1,500 students each (150,000 total students).	



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