



Determining Your Storage Needs

In general, the amount of disk storage necessary is calculated based on the amount (in hours) and type of audio/video teaching materials that you have.

Example:

One hour of MPEG1 video at 1.5 Megabits per second (Mb/s) requires .67GB of storage. (This can be rounded off to .7GB per hour.)

If you have 500 hours of MPEG1 Video in your Content Library the storage space required would be calculated this way: 500 hours x .7GB/hour = 350GB Storage Space.

Our salespeople will work with you and/or your IT Department to determine the server configuration that will best suit your needs.

SANS Multimedia Servers

On-Demand Delivery Of Instructional Audio/Video Content

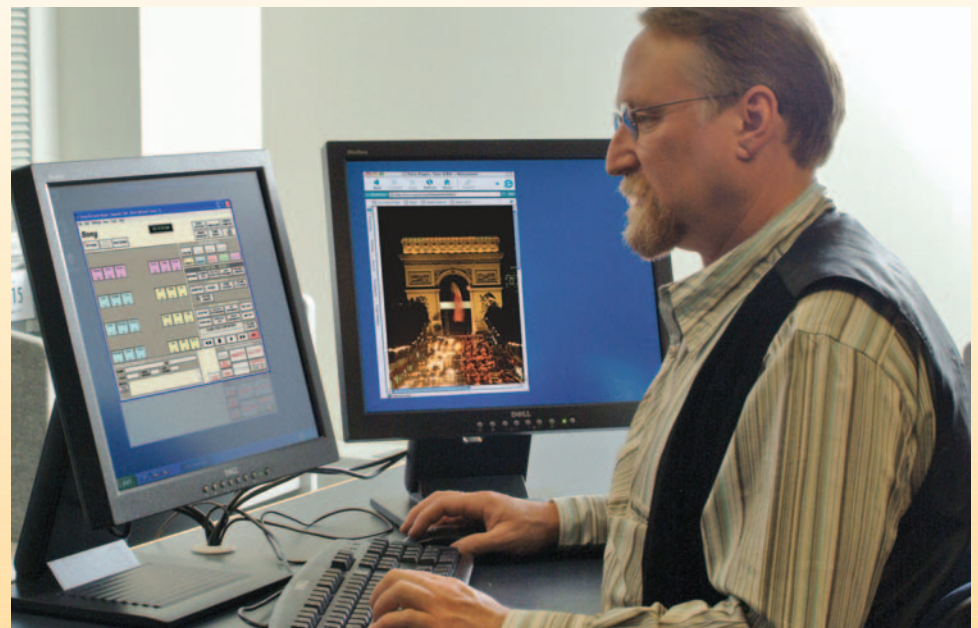
Efficient storage, management, and streaming of audio and video content are vital to providing on-demand multimedia language learning materials. Your students and teachers can benefit immensely from a rich, in-house media library. SANS provides multimedia servers that are scalable and configurable to address any size storage need.

Your existing content including that on VHS tapes and DVDs now has a central repository where every instructor can easily access and share class materials. The SANS multimedia server is also a great tool for storing digital language portfolios for each student as they document their progressive skill development.

The Technology

SANS Servers use RAID 5 (Redundant Array of Independent Disks, Level 5) technology. Content delivery performance as well as fault tolerance benefit from this technology scheme helping to ensure that your audio/video teaching materials are readily available and protected.

- Provides real-time data recovery with uninterrupted access if a hard drive fails
- Increases system uptime and network availability
- Protects against data loss



PRODUCT SPECIFICATIONS:



For More Information

For more information on our full line of language learning systems and other educational software or to locate a SANS Sales Representative in your area, call us at 203-315-5529, e-mail us at sales@sansinc.com or visit our website at www.sansinc.com.



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Specifications and features are subject to change without notice.

CPU Server

- Single and Dual CPU SANS Servers are available.

Network Connection

- The SANS Servers include an on-board network connection selectable at 100 Megabit or 1GB. High performance Fiber and Copper network cards are optionally available.

RAID 5 Requirements

- SANS Servers use RAID 5 (Redundant Array of Independent Disks, Level 5). The RAID scheme provides benefits in both fault tolerance and delivery performance.
- To guarantee an acceptable level of throughput, a minimum of four and a maximum of seven disks are required.
- In RAID 5, the equivalent of one disk is necessary to support redundancy.
- All disks in the array must be the same size.

Server Licenses

- Either a Microsoft Windows® 2000 or 2003 server software license must be purchased.
- The OS is loaded on the boot drive and is delivered with five server licenses.
- You will need to obtain additional licenses for over five student seats.

Guaranteed Throughput

- SANS guarantees sustained streaming throughput for 300 simultaneous users of MPEG1 video at a data rate of 1.5 Mb/s or a total of 650 Mb/s.

Power Supply

- SANS highly recommends that an Uninterruptible Power Supply (UPS) be used in the server setup.

Additional Hardware

- SANS servers do not include a monitor, keyboard, and mouse. These must be purchased separately.

Physical Setup

- SANS servers are rack-mountable or can be installed in a cabinet.

Encoding

- In addition to the SANS multimedia servers, we offer systems to encode video. Please ask your SANS representative for more information on systems/pricing/availability.

