



Cornerstone Systems, Inc.

zFrame® zCenter Server

When is more better?



*When it's a
Cornerstone zCenter!*

The **zCenter Server** is a powerful new concept in providing multiple I/O functions in one compact and economical package. Utilizing the latest FLEX-ES® technology, FLEX Control Unit behavior, to supply disk, tape, terminal and other resources to S/390 and zSeries systems, the zCenter offers exciting new solutions to many computing center challenges.

Highlights

- The zCenter can connect to traditional mainframes or zFrames via one or multiple ESCON® or Parallel channels or via network (LAN) channels to any zFrame system.
- zCenter/Storage Server offers large capacity disk storage using high performance SCSI-320 disks in a RAID-5 environment.
 - ◊ zCenter/Storage Server can provide up to 2.8 TB internally, and 6 TB in a rack based unit, emulating standard 3390 devices.
 - ◊ Two (2) GB of memory is standard for disk caching and can be configured to your data access patterns to ensure fast response times.
 - ◊ Backup of the disks can be done using the included SDLT tape drive.
- The zCenter FakeTape™ Server offers large capacity emulation of tape files on disk to drastically reduce the number of tape volumes and tape mounts in your S/390 or zSeries environment.
 - ◊ CSI technicians can help you implement 'auto-mounting' of compressed FakeTape files when your system calls for a tape mount, eliminating manual intervention.
 - ◊ Up to 6 TB of disk space may be configured as FakeTapes.
- zCenter SCSI-Tape Server provides the connection of high performance, high capacity SCSI tape drives (such as 320 GB SDLT) to a traditional S/390 or zSeries system.
 - ◊ SCSI-Tape Server devices can appear to the system as almost any traditional tape device (3490, etc).
- zCenter Terminal Server provides the connection of incoming TN3270 (IP connected) terminal sessions from normal workstations that appear as channel connected 3270 devices to the S/390 or zSeries Operating System.
 - ◊ Using the zCenter Terminal Server can simplify your S/390 networking environment and reduce the TCP/IP stack workload.
 - ◊ The zCenter Terminal Server can replace an IBM® 2074 while providing additional function and capabilities.
- All zCenter Server functions can be combined into a single compact tower unit or rack mounted, further enhancing the convenience and savings.
- The zCenter uses IBM eServer® xSeries® models specifically designed for high availability applications, featuring 533MHz Front Side Bus, six PCI slots, Error Correcting memory, and multiple redundant components.
- Uses FLEX-ES from Fundamental Software Inc. (FSI), premier provider of S/390 emulation software, and includes 3 years of FSI FLEX-ES support.
- Complete configuration, staging, and testing of every system by Cornerstone prior to delivery, and on-site installation and customization services.

zFrame Delivers

Cornerstone Systems is committed to supporting the S/390 customers with outstanding technical support and services. Cornerstone provides on-site support for installation, migration, and training for every zFrame zCenter Storage or Tape Server.

IBM Premier Business Partner

As an IBM Premier Business Partner, we are recognized for the finest customer service and level of performance in the industry. Please call us today at **1-800-510-3004** or visit our web site at **www.csihome.com**.



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CORNERSTONE SYSTEMS, INC.

zFrame zCenter Specifications



zCenter Features	Capabilities & Specifications
Base System	IBM® eServer® xSeries® systems with ChipKill™ ECC memory, redundant, hot swappable power supplies & cooling fans, high performance RAID-5 disk subsystem, Intel® Pentium® Xeon™ processors, integrated Ethernet 10/100/1000 and SCSI 320 controllers. 3 years of IBM 24x7 warranty.
Connectivity	<ul style="list-style-type: none"> • Connection to traditional systems via either ESCON® or Parallel channels (one or multiple) • Connection to zFrame® systems via ESCON or Parallel channels or via network (LAN) channels • Multiple control units can be defined and connected to a single channel
Storage Server	<ul style="list-style-type: none"> • Disk capacity from 700 GB to more than 6 TB, emulating standard 3390 type devices • Large disk cache in zCenter memory to optimize I/O response • Emulated disks can be shared among multiple systems
FakeTape™ Server	<ul style="list-style-type: none"> • FakeTape storage area can be defined from 300 GB to over 6 TB • 'Automounting' of FakeTapes can be used to drastically reduce the number of physical tape mounts • FakeTape files can be offloaded to high capacity SCSI tape for DR purposes • FakeTape files can be automatically compressed, for even greater speed and capacity
SCSI-Tape Server	<ul style="list-style-type: none"> • SCSI tapes attached to the SCSI-Tape server appear as standard 3490 (etc.) drives on mainframe • Can make use of very high capacity (320 GB+) SCSI tape devices • Can also use 3480/3490 compatible SCSI tape drives
Terminal Server	<ul style="list-style-type: none"> • Any network attached workstation can access server (and system) via IP/TN3270 • Terminals appear as local, non-SNA 3270 devices to system: no TCP/IP required • Operator consoles can use the Terminal Server, reducing or eliminating need for 3174 or 2074
Physical Characteristics	<ul style="list-style-type: none"> • Available in either tower or rack mount forms (Rack units required depends on options chosen) • Normal (110-120V) power and environmental: no special cooling, power, noise control required • Can be easily moved from one location to another
Software	<ul style="list-style-type: none"> • RedHat® Linux® in a specifically customized configuration • FSI FLEXCUB (Control Unit Behavior)
Cornerstone Services	<ul style="list-style-type: none"> • Hardware and software configuration, on-site setup, and training of customer personnel • Ongoing support via CSI 24 x 7 hotline • Additional custom services are available

Environmentals and Physical Facilities

Power

Standard 110-240V (Auto switching)

Temperature/Cooling

Normal Office Environment

Size

8.5" width, 17.3" height, 27.6" d. (5U)

or 17.6" width, 15.5" height, 29.8" d.

+ space for Display and Keyboard/Mouse

Rack mountable configurations available

