



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 environmentals: 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

