

CHARON-SSP, YOUR VIRTUAL SPARC



The CHARON-SSP solution recreates the SPARC virtual hardware layer on industry standard x86 computer systems. The virtual layer is compatible with any software running on it and acts as SPARC hardware. This virtual hardware is the only one SUN Solaris and its applications can run on a secure yet simple platform. There is no need for code conversion or source code. CHARON-SSP is fully binary congruous with SPARC hardware, including storage, Ethernet, and serial line I/O.

No risky migration projects are required, no changes to the original software (operating system, layered products, or applications), its procedures, or handling have to be applied. Your end users would not even notice that the hardware platform had been replaced!

For almost every SPARC machine that was ever manufactured, Stromasys offers a CHARON-SSP equivalent.

CHARON-SSP allows Sun Solaris applications that ran on systems by SUN Microsystems, which were eventually bought by Oracle, to remain working with no change. As a member of the Oracle Partner Network, Stromasys makes it easier for customers to move to CHARON-SSP on an Oracle Sun x86 server.

THE BENEFITS OF VIRTUALIZATION: WHY VIRTUALIZATION IS YOUR BEST OPTION

• BUSINESS CONTINUITY

- Minimal disruption during migration to new hardware platforms, as all applications, middleware, and data remain unchanged.
- Disaster recovery facilities use industry standard hardware platforms and require a lower investment than providing duplicate classic hardware.
- Modern hardware improves reliability and availability using redundant hardware and data replication technologies not available previously in classic hardware.

• REDUCE RISK

- Downtime is not an option for your mission-critical systems. By removing the classic hardware from the equation, Charon solutions diminish your risk of unplanned downtime.
- Extend the life cycle of your critical applications. Classic hardware may be end-of-life, but the applications running on that hardware are not. With Stromasys, those applications will continue to run, unchanged, on a modern platform – thus ensuring business continuity.

• LOWER COSTS

- Not only are Stromasys solutions lower in cost than full migration, but they are often less than the cost of a single year's support of the classic hardware.
- You will also get a substantial reduction in power usage, decreasing the utility bill, not to mention your company's environmental impact!

• IMPROVE PERFORMANCE

- Stromasys solutions run on modern architecture, bringing your applications into the 21st century. Customers marvel at the dramatic speed improvements when running commands on Charon compared to the original hardware – accomplishing tasks in a fraction of the time!

• DATA CENTER CONSOLIDATION

- With Stromasys classic systems virtualization solutions under VMware, customers can finally enjoy enterprise consolidation and integration using a common virtual data center infrastructure.
- Replacing classic systems hardware with industry standard server infrastructure simplifies data center management and operations with the same set of management tools used for modern server platforms.
- Customers save a great deal of time and effort with regard to backup and archive tasks, using the latest network and removable media and automated tools.

Choose Business Continuity with Stromasys

If your business is running classic systems, let us help you virtualize. Our team of experts can provide solutions that will allow you to maintain those systems without the risks associated with the classic hardware.



TECHNICAL FEATURES

• CHARON-SSP FOR LINUX 64 BIT DISTRIBUTION

	CHARON-SSP/L10-L20	CHARON-SSP /L30 - L50
Emulated hardware model	V8 (32 bit)	V9 (64 bit)
Platform	sun4m	sun4u
SPARC CPUs (base / maximum)	1 / 1	1 / 24
Emulated RAM (max)	512 MB	32GB
Available PCI slots	-	10
Standards	MBus, SBus, RS-232, RS-422	SCSI, PCI, UPA, RS-232, RS-422
Storage adapter	Parallel SCSI / Virtual SCSI	Parallel SCSI / Virtual SCSI
Floppy	n/a	n/a
Disk storage	Virtual disk images on a local and remote Linux system. Physical SCSI disk and partitions, SAN attached storage volumes	Virtual disk images on a local and remote Linux system. Physical SCSI disk and partitions, SAN attached storage volumes
Tape storage	Virtual tape images on a local and remote Linux system. Physical SCSI tapes	Virtual tape images on a local and remote Linux system. Physical SCSI tapes
CD-ROM	Virtual CD-ROM on a local system or remote Linux file system. Physical SCSI CD-ROM	Virtual CD-ROM on a local system or remote Linux file system. Physical SCSI CD-ROM
DVD	-	Virtual DVD on a local system or remote Linux file system. Physical SCSI DVD
Ethernet	One 10/100Mbps virtual SBus Ethernet adapter	Up to 9 10/100Mbps virtual PCI Ethernet adapter
Supported Solaris versions	SunOS4.1.3/4, Solaris 2.5, 2.6, 7, 8	Solaris 2.5.1, 2.6, 7, 8, 9, 10
OpenBoot	2.x	3.x

• CHARON-SSP FOR LINUX 64 BIT – STANDARD HOST REQUIREMENTS

Host operating system	Ubuntu 12-14, Fedora 16-20, RHEL 6.x, VMware	Ubuntu 12-14, Fedora 16-20, RHEL 6.x, VMware
Host server CPU/RAM	> 3 GHz, 4 cores Host RAM + 4 GB	> 3 GHz, 4 cores + 1 per CPU emulated Host RAM + 3 GB + (1~32GB)
Hard disk	Depending on data emulated	Depending on data emulated

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