



Software Defined Storage Networks™

Jeda Networks Competitive Highlights

Jeda Networks Introduces the Next Generation SAN

ADVANTAGES

Jeda Networks Advantages over Traditional SANs:

Lower Costs

- Save up to 80% on capital costs by eliminating Fibre Channel adapters, cables, switches and racks, specialized software
- Reduce maintenance fees by up to 80% by moving the Fibre Channel network to Ethernet
- Cut power and cooling costs by up to 60%
- Pay as you grow with fabric-based licensing
- Pay for only the devices attached to the switch that are supported by FNC Software

Simplicity

- True convergence of your LAN and SAN
- Standardizing on Ethernet eliminates the complexity of managing a separate Fibre Channel network
- Single logical fabric allows simple management of large and complex SAN deployments
- Self-healing network, change port connections without reconfiguration

High Performance

- Highest IOPS and bandwidth capabilities of any storage network
- Use low latency Ethernet switches
- 40Gb and 100Gb Ethernet fabric-ready

Flexible

- No switch vendor lock-in
- Works with existing 10GbE CNAs from Broadcom, Emulex, Intel, ATTO and QLogic
- Leverage standard network management tools
- Boundless SAN scalability

Jeda Networks is driving the evolution of storage networking by applying the concept of Software Defined Networks (SDNs) to the SAN. Called Software Defined Storage Networks (SDSN™), Jeda has transformed the storage networking paradigm by creating a high performance abstracted “storage network overlay” that lies on top of an Ethernet fabric. Jeda Networks premier product is called Fabric Network Controller™ (FNC™) Software. SDSNs create powerful and agile storage networks that remove the need for high cost, complex, proprietary SAN hardware and software.

Jeda Networks SDSNs have the following advantages:

- Lower in costs
- Simplicity
- High performance
- Flexible

Lower Costs

With Jeda Networks SDSNs you can lower your network infrastructure costs by standardizing on Ethernet. By eliminating Fibre Channel SANs and driving storage over Ethernet, you can significantly reduce your capital outlay on adapters, cables, switches and specialized software required to deploy and manage the SAN. The Jeda FNC works with any Jeda qualified DCB-enabled Ethernet switch, eliminating the need for proprietary SAN switches.

SDSNs eliminate costly maintenance fees on Fibre Channel hardware and software. With fewer adapters and switches, you can save up to 60% on power and cooling. Additionally, Jeda licenses ports on a fabric basis, which means you only pay for SAN ports required.

Simplicity

Achieve true convergence of your SAN using Ethernet fabrics. SDSNs greatly simplify data center infrastructure management.

- Jeda FNC Software is easily installed as a virtual machine, running on a VMware ESX host.
- SDSNs are managed with existing network management tools.
- Jeda FNC Software saves time by automating a majority of the SAN configuration processes.

SDSN technology is speed agnostic, supporting 10Gb, 40Gb and 100Gb infrastructures today.

Flexibility

The Jeda SDSN architecture is switch-independent, giving you the freedom to choose from numerous Jeda Networks qualified vendors and models; compared to Fibre Channel SANs, where you are limited in choice.

Since Jeda FNC Software separates the logical from the physical network, tools such as Wireshark, have visibility to the entire network control plane. Using standard network tools saves money on the resources needed to manage storage networks.

SDSNs create a software overlay that is independent from the physical network but behaviorally equivalent. So you are future-ready, able to upgrade to 40Gb or 100Gb Ethernet when it is warranted. Your storage network is now freed from proprietary switch vendors' hardware roadmaps.

Since the Jeda FNC is a software virtual machine, you can scale the processing resources to meet the performance requirements of your network, rather than being limited by under-powered embedded processors in proprietary SAN switches.

Jeda FNC Software interoperates with leading 10GbE adapters from ATTO, Broadcom, Emulex, Intel and QLogic and works with VMware, Windows, Linux and most UNIX operating systems. Jeda FNC Software is designed to work with any FCoE compliant storage device.

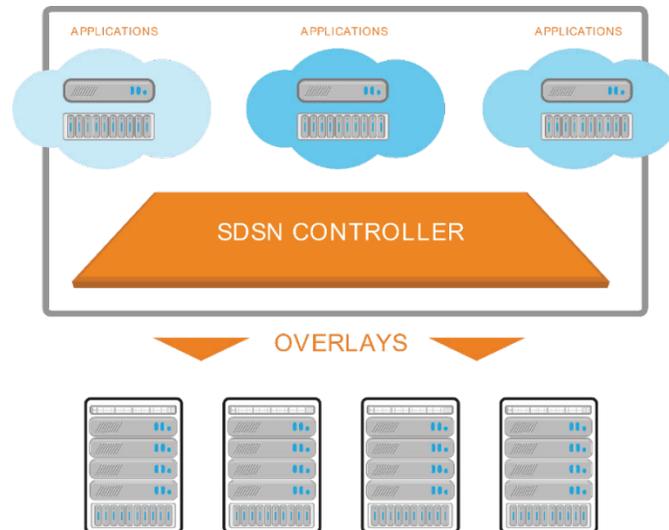


Figure 1—Jeda Software SDSN provides “storage network overlay” that lies on top of the Ethernet fabric.

Performance

The architectural efficiency of the SDSN control plane overlay delivers optimal IOPS and bandwidth, which is critical for next generation Ethernet fabrics, CPU technology and SSD-based storage arrays.

Since the SDSN abstracts the control plane, the data plane is still resident in and can take advantage of low latency Ethernet switches. Another benefit is Ethernet fabric speed independence, so that you are ready for 40Gb and 100Gb Ethernet fabrics.

Game Changer

Jeda Networks is leading the evolution of the SAN into the Software Defined Data Centers of tomorrow. Without the restrictions of proprietary implementations, this new architecture improves performance, increases flexibility, enhances simplicity and significantly lowers your total cost of ownership.



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