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StorageDirector 5000

Easily Add Storage Capacity

Problem: Storage needs can grow unexpectedly, but storage vendors offer limited expansion capabilities and often require product replacements or expensive upgrades to expand capacity. You need a solution that will expand quickly when you need it - at a price you can predict.

Solution: With the StorageDirector 5000, Pogo Linux customers can start with just a few terabytes and add over 200 terabytes of industry standard drives as their storage needs expand. With a mini-SAS architecture, it is so easy to add capacity when you need it.
Pogo Linux customers can rest assured that they have plenty of room to grow into.

Simple Storage Management

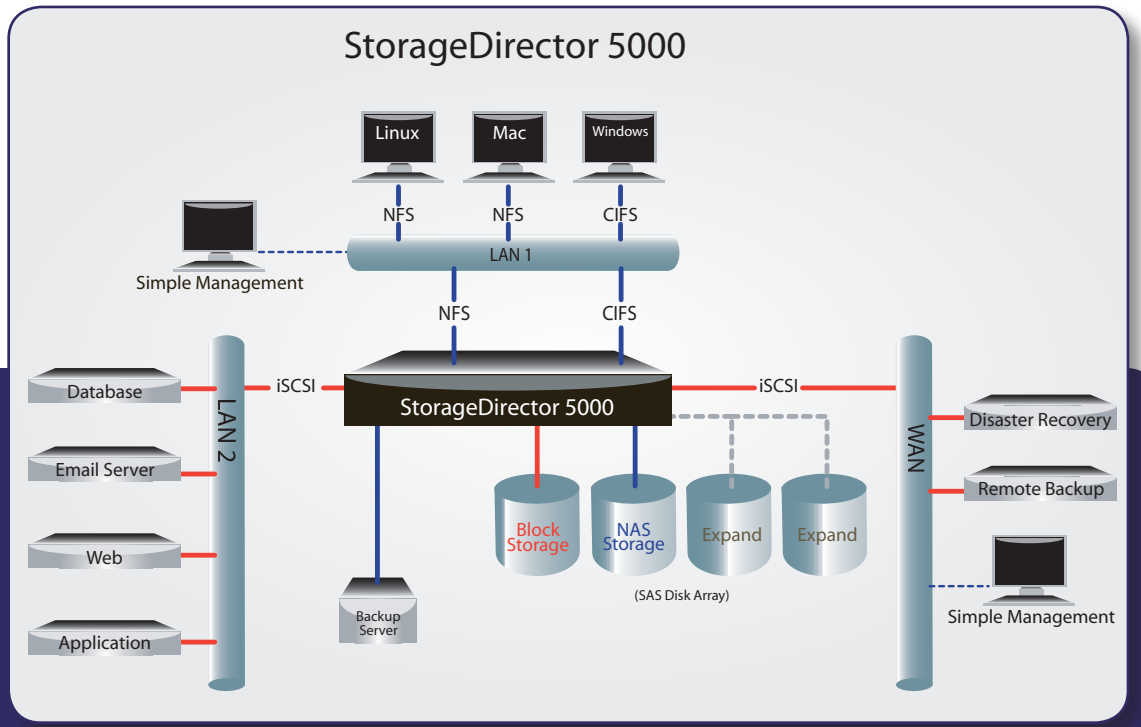
Managing storage can be complex and time consuming. The StorageDirector OS allows professionals to take control of their important data, by allowing them to point-and-click their way to file sharing, backup and recovery, and even high performance block storage. By incorporating enterprise features such as replication, snapshot, failover, and other industry standard features, the StorageDirector OS is a robust platform to deliver easy management of your storage resources.

Value Leadership

Pogo Linux is able to provide the incredible expansion capabilities of the StorageDirector 5000 at breakthrough prices by leveraging an open and standards based hardware architecture and the power of its Linux-based StorageDirector OS. While other storage architectures might require expensive fiber channel or complex clusters in order to expand beyond a few terabytes, the StorageDirector 5000 allows expansion over 200 terabytes with simple and affordable off-the-shelf disk enclosures. Since the StorageDirector 5000 uses SAS technology that supports both high end SAS drives and lower cost SATA drives, users can opt for low-cost, high-performance, or a combination that meets their needs.

Integration and Interoperability

The StorageDirector 5000 can be added to a network and begin serving files and data immediately to a large variety of users and applications. Because a single system supports all standard file protocols, as well as iSCSI, and optionally fiber channel, a StorageDirector 5000 can simplify and expand the accessibility of data on a network.



UPnP/WSDL Server:
The StorageDirector uses Simple Object Access Control (SOAP) to leverage standard management formats (XML) and protocols (HTTPS) to configure multiple servers.

LDAP Client:
The StorageDirector permits user and group authentication to an LDAP server for all network services and even the webbased administration. This allows other StorageDirector servers to coexist in an existing LDAP management scheme.

iSCSI (Initiator & Target):
The StorageDirector has the ability to transport data across networks using the iSCSI protocol. The StorageDirector iSCSI software OS can act as an initiator and a target on the same hardware platform at the same time. This unique feature allows the StorageDirector target and multi-path initiator clients to mirror data between servers and remotely replicate mission critical information for backup procedures.

Error Recovery Level 1 & 2:
The StorageDirector Error Recovery Level 1 (ER1) monitor information packets that are sent over the network from the iSCSI initiator to the iSCSI target. Error Level Recovery 1 also supervises network communication and recovers lost data during transmissions the connections. Error Recovery Level 2 inspects the vitality of the network connection and if a connection goes offline, then the StorageDirector OS searches for an operational connection and redirects all network traffic.

Cross-Platform File Sharing
The StorageDirector supports Windows (SMB/CIFS), Apple (Apple Talk), Unix/Linux (NFS), HTTP, and FTP file sharing protocols for true interoperability.

Access Control List:
The Access Control List (ACL) allows administration to restrict user rights and access policies through the network. The ACL feature is convenient for file share administration and remote network management.

Updates & Security:
The StorageDirector can be updated with signed Red Hat Packages (RPMs) though an USB disk-on-key or USB CD-ROM. In addition, system administrators can turn off network updates and remove unused components if required. The StorageDirector requires authentication protocols through an encrypted channel (HTTPS) and provides protection against security breaks by verifying the change and signature of the system software. The system software signature can be stored as a read-only media file after being downloaded. This is done to keep data secured and restricted from unauthorized users.

Multiple Root Control Services:
The StorageDirector offers Root Control Service (RCS) to the operating system. With RCS, the administrator can add or remove modules, restrict IP access control, and creates NIS domain users, local Windows and LDAP users groups. The StorageDirector grants access to the UNIX shell command through SSL/TLS.

System Monitoring & Alerts:
The Advanced monitoring systems notifies network administrators on health disk status, system temperature, RAID status, and spare drives on their systems. The StorageDirector also generates logs that record monitoring activity on a timely basis

Remote Replication:
With The StorageDirector's Remote Replication feature, organizations can improve their business continuation model by backing up directly to disk. This shortens their backup time and can retrieve archived information in a matter of minutes. This allows both public and private organizations that comply with federal regulations to eliminate the traditional form of backup; transferring data into tape, which is time consuming, generates multiple tape copies, and often leaves sensitive information exposed.

Multiple Snapshots:
The StorageDirector snapshot captures data from a single point-intime with the capability to aggregate multiple snapshots in a sequence which can be used for backup or data retrieval purposes.

Remote Mirroring:
With Remote Mirroring, The StorageDirector allows block device replication of logical volumes. The allows network fallover between two systems, where two volumes are mirrored to provide some of the best redundancy possible.

Hardware and Software RAID:
The StorageDirector offers integrated support that is optimized to work with AMCC 3ware and Areca RAID controllers as well as driver support for most other hardware RAID controllers that support SATA, SAS, SCSI, and Fibre HDD's. In addition our StorageDirector OS provides Software RAID 1, 10, 5 & 6.

IP Failover:
With IP failover, two StorageDirector servers can share the same virtual IP address over the network. If one server goes offline, then the other server can pick network activity without causing interruption.

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