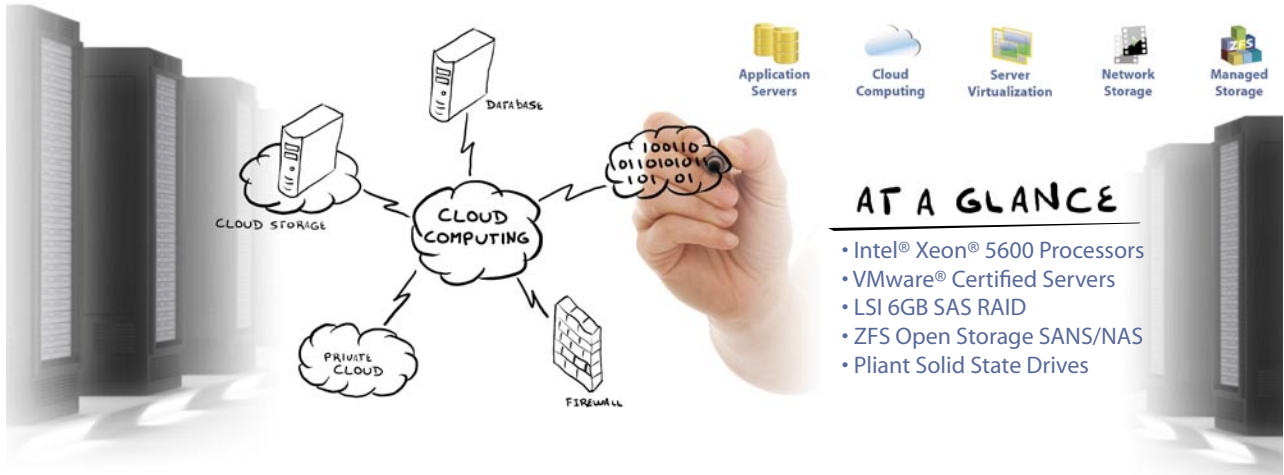


Dynamic Solutions for the Data Center



AT A GLANCE

- Intel® Xeon® 5600 Processors
- VMware® Certified Servers
- LSI 6GB SAS RAID
- ZFS Open Storage SANS/NAS
- Pliant Solid State Drives

Take your data center to the next-level with high performance servers, versatile virtualization and simplified network storage.

A competitive edge in the data center, through new IT and business services, can be a challenge. The answer? Breath new life into your IT infrastructure with a server refresh and storage upgrade strategy that takes advantage of next-generation data center technologies.

Dynamic Solutions for the Data Center

Kick your data center into high-gear with Pogo Linux data center solutions. Whether you need to replace an entire server rack or deploy a data backup strategy, Pogo Linux solutions to address a host of project needs or technology initiatives, such as virtualization, cloud computing or green computing.

Together with Pogo Linux, lay the foundation of a dynamic, next-generation data center that meets business growth goals and IT objective needs. Get high-performance servers for application serving or cloud computing, versatile server and storage virtualization, and simplified network storage to keep your organization ahead of the competition.

TECHNOLOGIES



Intel® Xeon® 5600 Processor Series

Scale performance and maximize energy efficiency, with up to 15x better server performance over previous generation single-core systems.



VMware® Certified Servers

Reduce virtualization complexity with a fully-supported and pre-validated VMware solutions for VMware ESXi & VMware VSphere.



LSI 6GB/s SAS+SATA RAID

Get advanced data protection and maximized I/O performance with up to 2,500 MB/s reads & 3,000 MB/s writes.



ZFS Open Storage SAN/NAS

Expand your network storage with the StorageDirector Z Series – powered by NexentaStor – for a unified storage platform that delivers enterprise-grade features at breakthrough cost-saving.



Pliant SAS Solid State Drives

Leverage ultra fast 2.5" SAS and large-capacity 3.5" SAS solid state drive options to meet the demanding server performance and reliability needs of data center environments.

Solution Overview

Move beyond your legacy infrastructure with high-performance cloud and application servers, versatile server virtualization and VMware certified solutions, and simplified network storage to support all-new IT services to internal and external end-users and customers.

High-Performance Servers

A large number of users access these servers throughout the day, which means always-on access and fast read/write speeds are critical. Iris servers – **powered by next-generation Intel® Xeon® Processors 5600 Series** – provide a premium hardware platform that delivers responsive application serving and file-sharing.

Document Servers



Say 'goodbye' to network performance bottlenecks and slow data processing. Iris servers with **large memory configurations up to 96GB** utilize a greater amount of system cache to stream multimedia or access large documents.

Application & Database Servers



Top-of-the-line system performance is a business requirement to support internal and external customers. Iris servers configured with **LSI 6GB/s SAS+SATA RAID** deliver up to 50% more transactions for end-users who rely on these systems to retrieve business-critical information.

Cloud Servers



These powerful systems need performance, capability, reliability and data security, to deliver more data in and out of the cloud. Iris servers with **ultra-fast 2.5" SSD hard disks** deliver faster system performance necessary for addressing cloud-based database and web applications environments.

Learn more about Iris Servers at www.pogolinux.com/products/servers

USE CASES

- Document Server
- Streaming Media
- Database Server
- Line-of-Business Servers
- Cloud Applications (SaaS)

Versatile Virtualization

Enhance your data center's virtualized infrastructure with fast and reliable Intel Xeon processor-based servers and VMware® certified server platform solutions. Managing a virtual data center? The StorageDirector Z Series – powered by NexentaStor – is the only storage virtualization solution to support all the major hypervisor platforms.

Server Virtualization



The consolidation of servers in the data center creates a need for fast and reliable hardware to virtualize the most demanding, resource-intensive applications. **Intel® Virtualization Technology** hardware-assisted Intel® Xeon® processor-based virtualization technology allows you to run even more VMs in the same VM pool with less overhead. At the same time, **large memory configurations up to 96GB** let you to run a completely virtualized infrastructure from a single machine.

Learn more about Iris Servers at www.pogolinux.com/products/servers

USE CASES

- Server Consolidation
- Testing & Development
- VMware Certified Environment
- Virtual Data Center
- Storage Virtualization



VMware® Certified Servers

Reduce virtualization complexity with **VMware® certified Iris VT servers**. A premium line of fully-supported VMware® products, Iris VT server systems are specifically designed for data center managers to virtualize line-of-business applications VMware® vSphere and VMware ES X environments with confidence. A pre-validated and pre-tested hardware solution that's optimized for software integrity and performance, these systems meet CPU, memory and I/O performance demands, as defined by VMware®.

Learn more about Iris VT Servers at www.pogolinux.com/products/virtualization



Storage Virtualization

Dramatically simplify the storage management of virtualized infrastructures with the **StorageDirector Z Series SAN – powered by NexentaStor™ Enterprise**. View and manage VMware® vSphere, Microsoft® Hyper-V or Citrix Xen environments over NFS or iSCSI network shares. Streamline administration, like setting-up of storage policies, clone or migrate virtual machines, and more, from a point-and-click interface.

Learn more about the StorageDirector Z Series for storage virtualization at www.pogolinux.com/nexenta/solutions/storage-virtualization.php

Simplified Network Storage

Get more storage for IT end-users and customers to access to large data sets, hosted applications, streaming media and more. Flexible DAS servers, fast and reliable NAS RAID systems, and managed SAN solutions powered by the versatile ZFS file-system make scaling out data center storage needs easy.

Direct Attached Storage (DAS)



Easily add block-level storage disk arrays to any host server. Easy to use and simple to maintain, Pogo Linux DAS storage subsystems **connect via Fiber Channel, SAS or iSCSI interconnect protocols**. Data center managers will find these systems to be ideal for expanding the storage environment of SAN or managed storage, clustered servers or applications that require dedicated bandwidth.

Network Attached Storage (NAS)



The most sophisticated digital content requires NAS servers with increased through-put to support high-resolution videos. Iris Storage Servers deliver fast and reliable **LSI 6GB/s SAS+SATA RAID** to add cost-efficient storage to any data center. In addition, large capacity **2.5" SAS+SATA drives & ultra- fast 2.5" SSD drive options** create a worry-free, server-class alternative to traditional 3.5" hard drives, while providing better energy savings and up to 50% faster performance.

Learn more about Pogo Linux DAS and NAS systems at www.pogolinux.com/products/storage

USE CASES

- Tiered Storage
- Streaming Media
- Document & Imaging
- Data Archive
- Offsite Backup

Managed Storage



The **Nexenta certified StorageDirector Z Series**, is a family of ZFS-based open storage SAN/NAS solutions designed for data center IT managers to manage large volumes of storage at a fraction of the cost of legacy technologies. The StorageDirector Z exceeds legacy storage alternatives at breakthrough cost-savings, without sacrificing enterprise-class features – like data deduplication of primary storage, high-availability and unlimited snapshots.

Learn more the StorageDirector Z Series SAN/NAS solution at www.pogolinux.com/nexenta

USE CASES

- Tiered Storage
- High Availability
- Disaster Recovery
- Offsite Backup
- Cloud Storage
- Storage Virtualization

Data Center Solution Overview

Performance Servers



Iris Servers

Virtualization Servers



Iris VT Servers

Network Storage



Iris Storage Servers

Managed Storage



StorageDirector Z Series

Physical Specs	1U-4U Form Factor	1U & 2U Form Factor	1U-4U Form Factor	2U-4U Form Factor
Operating System	Open-Source OS Support	Open-Source OS Support	Open-Source OS Support	NexentaStor Enterprise
Software Certification	N/A	VMware Certified	N/A	NexentaStor Enterprise
Maximum Memory Slots	Up to (12) DDR3 Memory Slots	Up to (12) DDR3 Memory Slots	Up to (12) DDR3 Memory Slots	Up to (12) DDR3 Memory Slots
Maximum Memory	Up to 96GB Memory	Up to 144GB Memory	Up to 96GB Memory	Up to 96GB Memory
Processor Type	Up to a Dual 6-Core Intel Xeon 5600 Series with Hyper-Threading	Up to a Dual 6-Core Intel Xeon 5600 Series with Hyper-Threading	Up to a Dual 6-Core Intel Xeon 5600 Series with Hyper-Threading	Up to a Dual 6-Core Intel Xeon 5600 Series with Hyper-Threading
Motherboard Chipset	Intel 5520 Chipset	Intel 5520 Chipset	Intel 5520 Chipset	Intel 5520 Chipset
Integrated Networking	(2) Gigabit Ethernet	(2) Gigabit Ethernet	(2) Gigabit Ethernet	(2) Gigabit Ethernet
Additional Networking	✓	✓	✓	✓
Maximum Disk Drives	Up to (36) Drive Bays	Up to (12) Drive Bays	Up to (36) Drive Bays	(24) Drive Bays
Maximum Disk Drive Storage	<ul style="list-style-type: none"> • Up to 2TB 7200RPM SATA Hard Drive • Up to 600GB 10k RPM SATA Hard Drive • Up to 600GB 15k RPM SAS Hard Drive • Up to 160GB SATA SSD Hard Drive • Up to 300GB SAS SSD Hard Drive 	<ul style="list-style-type: none"> • Up to 500GB 7200RPM SATA Hard Drive • Up to 300GB 10k RPM SATA Hard Drive • Up to 500GB 7200 RPM SAS Hard Drive • Up to 600GB 10k RPM SAS Hard Drive • Up to 146GB 15k RPM SAS Hard Drive • Up to 64GB SSD Hard Drive • Up to 150GB SAS SSD Hard Drive 	<ul style="list-style-type: none"> • Up to 2TB 7200RPM SATA Hard Drive • Up to 600GB 10k RPM SATA Hard Drive • Up to 600GB 15k RPM SAS Hard Drive • Up to 160GB SATA SSD Hard Drive • Up to 300GB SAS SSD Hard Drive 	<ul style="list-style-type: none"> • Up to 2TB 7200RPM SAS Hard Drive • Up to 600GB 10k SAS Hard Drive • Up to 600GB 15k SAS Hard Drive • Up to 300GB SAS SSD Hard Drive
Redundant Power Supply	650 Watts	1100 Watts	800 Watts	900 Watts
Workload	<ul style="list-style-type: none"> • Application Server • Database Server • Line-of-Business Server • Cloud Computing (SaaS) 	<ul style="list-style-type: none"> • Server Consolidation • Testing & Development • VMware Certified Servers • Storage Virtualization • File Server 	<ul style="list-style-type: none"> • Streaming Media • Document Server • Data Archive • Offsite Backup 	<ul style="list-style-type: none"> • Tiered Storage • Disaster Recovery • Offsite Backup • High Availability • Cloud Storage



From a single database server to a complete data center deployment, Pogo Linux offers a wide range of systems for just about every IT project or budget.

Learn more about our data center solutions at www.pogolinux.com

Additional Resources
www.pogolinux.com/datacenter

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