datasciences
corporation

**OUR
SOLUTIONS**

STORAGE

The value of data and factors around its exponential growth is a prevalent subject.

You may have heard the term "data is the new currency", therefore, effectively and safely storing and accessing data is critical.

You need to ensure that your data is stored on reliable, highly-available platforms that can scale efficiently in order to handle ongoing business changes as well as to keep up with high performance demands and fast response times that are common with modern enterprise applications.

Data Sciences Corporation supplies and expertly supports the latest in industry-leading innovations for your midrange to enterprise All-Flash, Object, S3, Block, NAS and Traditional Disk Storage needs.

Our storage portfolio boasts products that are simple to manage and provide optimised performance and application efficiency as well as unmatched data reduction capabilities, automation and high availability without any/minimal downtime, impact or disruption.

All-flash file and object storage providing exabyte-scalability with NAS simplicity underpinned by revolutionary flash economics.

Through our consultative approach, we are able to tailor solutions to help you solve your unique business challenges.

PURESTORAGE®

VAST

CLOUDIAN®

NETWORKING AND SWITCHING

Next to managing and protecting your data and information, your business' computer network is one of the most important IT solutions you can implement in your company.

Networks plays a critical role in the enterprise world because it ensures the maximum efficiency and productivity of your company.

Data Sciences Corporation holds extensive knowledge, skills and experience within the core infrastructure and data centre environments to help install and manage your networking infrastructure.

Our networking product offering includes the best high-speed, end-to-end Ethernet, InfiniBand and the latest Fibre Channel solutions for your data centre, delivering industry-leading performance, scalability, reliability and value across any cloud, enterprise, financial, storage, Big Data and machine learning applications for medium and large, enterprise customers.

All complimented by a comprehensive ADC & Load Balancing solutions encompassing WAF, GSLB as well as Web Acceleration

snapt   NVIDIA.   BROCADE

COMPUTE

- Business requirements are constantly changing, your IT objectives should provide maximum productivity, cost efficiency, agility and should be easy to integrate in any existing environment.

- Our solutions portfolio comprises server-architecture based on Intel's x86 server technology that caters to small, medium and enterprise client requirements, ranging from robust and cost-efficient servers for simple operations which are versatile and efficient, to performant, rack-based servers for core business operations and demanding applications.
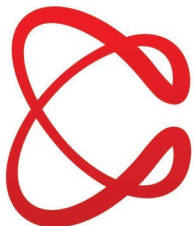
- These include modular and dense servers for high-performance, cloud, technical, large data and deep learning that are optimised to scale efficiently and cost effectively.

- The growing prevalence of deep learning increases the size and complexity of HPC server requirements.

- To address this, we've partnered with industry pioneers to provide ground-breaking technology solutions with more computational and CPU capabilities as well as a range of servers that cater for business and mission-critical environments where business continuity and high availability data requires access.

CO CRE8 TECHNOLOGY SOLUTIONS   NVIDIA   SUPERMICRO   NEC

CLOUD NATIVE SOLUTIONS

- Whilst still holding ground to primary infrastructure, we move forward to take advantage of a more modern model encompassing its own foundations to build and run applications to deliver compute power, database storage, IaaS, Paas; DBaas, CaaS, etc, with increased flexibility, scalability and reliability.

- Cloud-native describes the how and not the where, it shifts the focus from traditional to a more elastic, resilient and scalable infrastructure through a continuous approach.

- This change in mindset comes with solid reassurance as it's architecture is composed to deliver services which are fast and easy to deploy and modify, to maximise business efficiency, enable growth and scalability and reduce unnecessary waiting times.

- Our Cloud Solutions equip business IT to operate as an internal cloud service provider, offering single-click/on-demand consumption of resources and managed open source technologies, and to respond at the speed of the public cloud.

- Engaging this multi-cloud hybrid platform, we can deliver true infrastructure-as-a-service, ideal for DevOps and Infrastructure-as-Code automation, open-source technologies combatting the complexity around vast differentiations between API sets and rather encouraging DevOps' potential.

OXIDE

Platform as a Service

BACKUP AND RECOVERY

As data is the most important asset in any company, it becomes vulnerable to failures and disasters and may be lost through physical damage and/or failures to hardware or even compromised through intrusions but more commonly, through human error.

Your data is vital to the success of your business. It is also important to ensure that it is completely protected, accessible and always available.

An effective, reliable, and complete backup and recovery solution employs both infrastructure as well as software. Our comprehensive backup and recovery portfolio has you covered; you can protect, manage and access data across your primary infrastructure, secondary and cloud storage locations with access to features through application level replication and instant recovery, as well as, improved backup performance and reliability.

We provide high-availability solutions to enable long-term data retention that allows you to flexibly scale as your performance and physical or virtual capacity backup requirements grow, without the complexity and inherent limitations of legacy storage solutions.

Let our consultants work with you to design, architect, and implement the ideal solution for your specific requirements.

HYDRAstor   COMMVAULT   NAKIVO Backup & Replication

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

Enterprise needs an end-to-end strategy for AI innovation to accelerate time to insights and reveal new business frontiers.

AI at scale, puts unprecedented demands on your data centre. Powering your company's business transformation with machine and deep learning requires infrastructure that's optimized for the unique demands of AI.

NVIDIA DGX infrastructure and revolutionary performance drives the AI behind rapid advancements across industries from self-driving cars, to maximizing product quality and increasing customer satisfaction and driving the next breakthroughs in AI research.

In MLPerf v0.7 training, the leading benchmark suite for AI performance, NVIDIA DGX SuperPOD and DGX systems set world records in all 8 of the at-scale benchmarks for commercially available systems.

ⵙNVIDIA.

DATA MIGRATION

Moving data from one location to another is not a simple task, it often involves changes in storage platforms, databases, or applications with the overall goal of improving performance and increasing your business' competitive advantage.

The migration process is becoming significantly more challenging as data is being moved into the cloud.

Data Sciences' migration solutions allows enterprises and service providers to migrate block-level data from any host, operating system, storage array and location over fibre channel and iSCSI networks easily, and without extensive configuration or preparation and minimal operation impact and risk.

Your data migration process is performed online or on-prem (as per business regulations) and optimised for maximum throughput based on your storage and network's activity level through intelligent QoS.

Let our experienced and professional team help you design and implement an effective data migration strategy to make your transition seamless.

komprise

ADVANCED SERVICES

- Data Sciences Specialist Services focuses on providing additional customer services in its core business – being backup, data storage and server hardware and software products.

- These services will help clients identify potential risks and opportunities, plan the precise architecture, optimise infrastructure performance and manage these environments effectively by providing a comprehensive and cost-effective solution for the day-to-day management of these environments.

- All organisations are finding that their IT environments are getting extensively complex, thereby making the infrastructure more difficult to manage and support with added difficulties in creating alignment to changing business conditions.

- These primary services provide a holistic service offering which incorporates both operational and strategic requirements.

- In order to provide improved maturity within the services provided to the business, the overall focus needs to shift from primarily operational (current) to more strategic (future) to progress from a "reactive" service to a proactive service.

DATA SECURITY AND COMPLIANCE

To allow businesses to encompass and address government-defined limitations and regulations without spending valuable time and resources, we have employed a range of advanced machine-learning tools to view, compile and manage an organisation's worth of outdated, current and future data into the compliant frames governed by the data protection and compliancy acts.

South Africa has brought certain laws into play, to account for the negligent behaviour carried out through the ages of storing and transferring information through business transactions and expansions as their business scales.

This in turn has unfortunately but expectedly resulted in breaches of constitutional human rights and therefore carry severe consequences.Ignorance is now less tolerated, even with the vast amount of data within the walls of an organisation.

It is absolutely unimaginable for anyone to have a concrete view into which data and where certain information is stored and where it is transferred to, as well as to identify what is sensitive and relevant and let alone, monitor and manage it through continuous business operations.

Businesses are forced to comply with privacy regulations set out in GDPR (General Data Protection Regulation) and POPI (Protection of Personal Information), which of the latter is strictly appointed within the borders of South Africa.

These advanced technologies not only provide a microscope into the company but can decipher between what needs to be protected and what can be stored and distributed freely.

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