



Sasquatch[®]
SOFTWARE DEFINED STORAGE

BECAUSE EVERY BUSINESS
IS DIFFERENT!

RNT Rausch. Making IT possible.

RNT 
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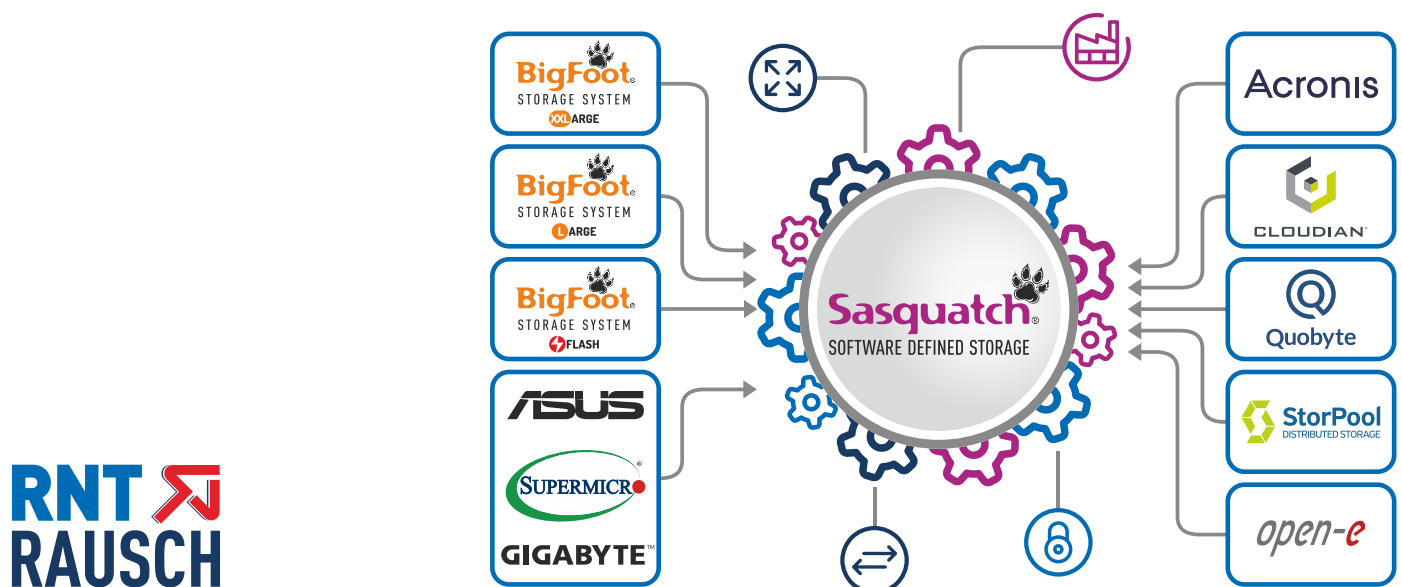
Sasquatch® Software Defined Storage (SDS)

Data is dynamic. Data moves, grows, changes and is no longer centralised in data centres. To enable this level of flexibility, imagine to place software in the data path between an application and your personalised BigFoot® Storagesystem. Here comes Sasquatch® SDS!

Software defined storage is a data architecture that separates hardware from software. SDS is opening a wide world of possibilities such as immutable storage, multi cloud or full S3 compatibility. The core value of Sasquatch® is that the underlying hardware is optimised for the software that's running on it. To give you the best SDS solution without compromises we're simply adding layers of intelligence and functionality developed by market leading independent software vendors (ISVs) to a fine tuned storage system built to your needs. This is how you will get the perfect fit for your storage scenario - highest density and lots of compute power to handle even your toughest storage requirements without a vendor lock-in and without the risk to create another storage silo.

Sasquatch® SDS solutions let you increase application performance, overall productivity and customer satisfaction while you're only paying for features and functionalities you actually need.

RNT SDS Solution





Make your Object Storage immutable

Stop ransomware from encrypting your data

One of the biggest and still unique benefits of object storage is the outstanding scalability without the overhead involved in file systems. Object storage can easily expand across multiple locations and is the ideal storage system for collaboration as well as all use cases with a need to uniquely identify an object to fetch it quickly from big unstructured data volumes.

Sasquatch® SDS HyperStore® Cluster powered by Cloudian®

Cloudian® HyperStore® provides a native and 100% S3 compatible API giving you a rich feature set to solve your biggest storage challenges while significantly reducing the total cost of ownership compared to traditional SAN/NAS or public clouds. Gartner awarded Cloudian HyperStore® the highest scores for critical capabilities and the top rank in all use cases in their 'Critical Capabilities for Object Storage' report published October 2020.

Highest S3 API compliance

This storage solution employs the S3 API as its 'language'. Applications that speak the same language are therefore able to plug and play with S3 compatible storage. Sasquatch® SDS HyperStore® is designed to grow limitlessly within a single namespace. Initially used only in the cloud, S3 storage is now being extended to on-prem and private cloud deployments which gives you more bang for the buck.

Ransomware protection with Object Lock

Object Lock makes your data immutable by preventing a file from being changed or deleted until a given date. Object Lock is a must-have in your data protection arsenal because it's the only way to restore a clean copy of your backup in case of a ransomware attack.

Additionally, Object Lock is protecting your data against other security vulnerabilities such as deletion by error, compromised credentials or rogue actors.

One of the industry's richest feature set

Sasquatch® SDS HyperStore® also supports geo-distributed erasure coding as well as data efficiency features such as deduplication and compression. Its intuitive management interface, flexible rights assignment and performance management capabilities like quality of service (QoS) are only a small selection of features you will appreciate.



Deliver innovative cyber protection

Optimised to work seamlessly with Acronis Cyber Cloud

Sasquatch® powered by Acronis® Cyber Infrastructure is a multi-tenant and hyper-converged infrastructure solution that protects all data, applications and systems.

Primarily designed for both service providers and business customers it combines highly dense and lightning fast storage with high performance virtualisation to deliver an easy, efficient and secure cyber protection solution.

Acronis® Notary

Acronis® Notary Cloud is a unique and blockchain based service for file notarisation, e-signing and verification for businesses of any size enabling independent validation of its authenticity at a specified date and time. Once a file is notarised it allows confirmation from any device and at any time.

Think of contracts, any other legal documents, media files, camera surveillance footage, medical records, rental, loan or lease agreements and either verify that hasn't been changed or confirm that it originated on a specific day and time and has been signed by certain parties at a certain time. With Notary you can also claim that bills were paid when you say they were paid, like any kind of financial or insurance documents or even your tax declaration.

Seamless integration with Acronis® Cyber Backup

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Scalable performance with hardly any limits

A modern file system for today's demanding workloads

Sasquatch® powered by Quobyte® is a smart software solution offering a single storage system for block, file and object storage. The solution can be used on any application and creates the same environment for all users and applications in any location: on-premise, cloud, edge or hybrid which gives you almost limitless scalability. Quobyte® gives you the ability to choose the perfect fit for your workload, your business, and your performance requirements. Sasquatch® powered by Quobyte® runs on the major Linux distributions out-of-the-box and is also just another application on your Kubernetes Cluster which can be installed in minutes.

With Machine Learning (ML) in mind

As the first distributed file system, Quobyte® offers a TensorFlow plugin, that increases throughput performance by up to 30%. The plugin allows TensorFlow applications to talk directly to Quobyte® without going through the kernel which lowers CPU usage and increases performance.

Quobyte® offers broad platform support so you can quickly and easily ingest data from existing systems and makes spanning Machine Learning workloads from data center to cloud to edge easy.

Complete 360 Security

Sasquatch® powered by Quobyte® provides complete 360 security that keeps your data protected from any kind of malicious attacks. Built-in comprehensive security features protect your data in transit, at rest and from unauthorised access. Natively, the data is encrypted or decrypted by the Quobyte® driver on the same machine where the data is created or consumed. With protocols that require a proxy, the encryption happens on the proxy node.

Optional TLS secures all communication between Quobyte® clients and servers and also between servers. For higher levels of protection without trusting the you'll get support for X.509 certificates or Access Keys (for object and file system).

Kubernetes Storage

Kubernetes has revolutionised the way applications are developed and deployed. Quobyte® is just another application in a Kubernetes cluster providing persistent storage building blocks, called volumes, for all use cases. Persistent storage, as the name suggests, retains or stores the data generated by an application, making it suitable for stateful applications.

Sasquatch® powered by Quobyte® provides persistent volumes for a broad range of use cases: From low-latency flash storage for transactional databases to shared volumes for massive scale-out workflows like big data analytics or video transcoding.

Sasquatch® powered by Quobyte® provides you with a storage infrastructure that enhances your Kubernetes cluster: Multi-tenancy support that maps onto Kubernetes namespaces, oversubscription to minimise cost and automation that integrates well with Kubernetes. trusting the network you'll get support for X.509 certificates or Access Keys (for object and file system).



High performance block storage for demanding workloads

Latency, what is latency?



Sasquatch® powered by Storpool® is a blazingly fast primary storage platform for demanding workloads. It's a new-age, reliable and scalable storage solution that is an excellent replacement for siloed and costly legacy storage.

Sasquatch® powered by Storpool® is a linearly scalable solution delivering extreme reliability and minimal front-end latency. This solution is ideal for primary workloads that require lightning-fast data writing and retrieval, such as databases, web servers, virtual desktops, real-time analytics, and mission-critical software.

Ensure uptime and eliminate performance bottlenecks

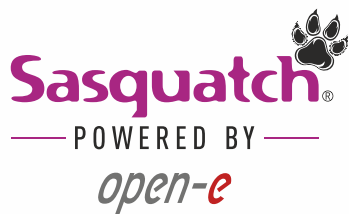
The gaming industry is one of the most competitive ones globally and their customers are not easy to please. While hundreds of thousands of game developers are doing a great job to exceed the Gamer's expectations, do not forget about important aspects such as game load time, very low latency, keeping the Gamer's data safe and being always accessible without performance bottlenecks.

Sasquatch® powered by Storpool® gives Gamers the best experience with 100% uptime and the lowest possible load times.

Private and public clouds unlike any other

High speed is one of the main concerns when building a cloud. Speed means a better service, less support tickets and happy customers who will stay.

Sasquatch® powered by StorPool® is designed from the ground up to provide cloud builders with the fastest and most resource efficient shared storage system. Stand out from the crowd in the competitive cloud market and lead by speed, reliability and efficiency.



Top choice for data storage, back-up and business continuity

Sasquatch® powered by JovianDSS from Open-E is a ZFS- and Linux-based Data Storage platform supporting multiple protocols such as iSCSI, Fibre Channel (FC), NFS and SMB (CIFS).

On- and off-site data protection

The combination of several technologies provides a strategy for backup and DR without the need of a backup agent. It enables consistent snapshots for virtual machines and asynchronous replication to local or remote destinations.

Advanced Metro High Availability (HA) cluster

Get High Availability for two server nodes with storage mirror over Ethernet and create your stretched metro storage cluster when you have point to point fibre optic connections. The nodes can be located up to 80km (50 mi) away from each other or even further when using additional switches between the nodes.

Storage and backup for virtual environments

Combined with VMware vSphere ESXi, Sasquatch® powered by Jovian® DSS is a cost-effective, flexible and scalable solution for virtualisation that offers highest performance and data efficiency at a competitive price point.



RNT Rausch. Making IT possible.

RNT Rausch is a Germany based technology pioneer with 20+ years of experience in the high-tech server and storage industry and on a mission to always be ahead of technology trends. RNT offers tailor-made products and services that help customers and partners to enhance security, flexibility, scalability and sustainability and become fit for tomorrow's technical revolution.

Let's talk!

The RNT sales team is looking forward to getting in touch with you now!

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