WASP™

WORKLOAD AGNOSTIC STORAGE PLATFORM
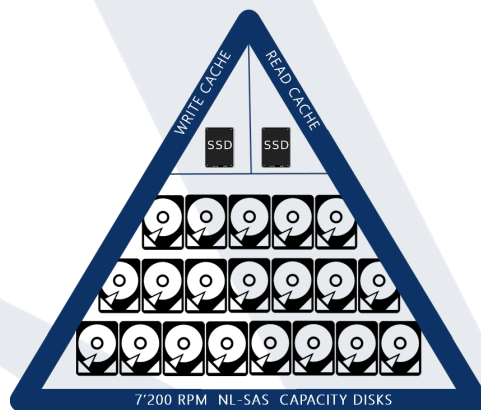
by AGILE STORAGE

No matter the storage challenges ahead of you, WASP™ OS ensures storage agility through it's flexible, efficient & scalable storage operating system for Cloud, Hybrid Cloud and on-premise stoage deployments.

Put your company first with our leading edge WASP™ OS, as it delivers unmatched performance with a range of sophisticated storage functionalities.

Don't let your legacy storage hold you back, you will be amazed by how easy it is to achieve unrivaled storage performance with WASP™ OS.
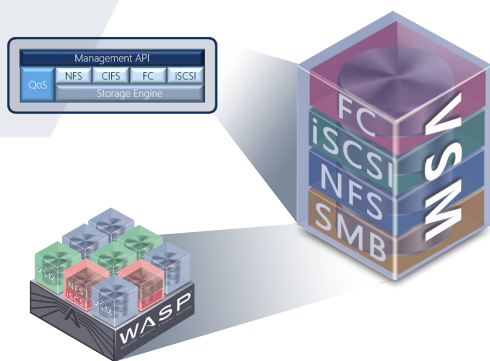
HSPA (Hybrid Storage Pool Architecture)

HSPA enables new levels of storage performance, which integrates DRAM, FLASH, and traditional hard drives into a single accelerated storage pool. This revolutionary architecture increases efficiency and performance dramatically, and can be easaly adapted to your actual needs at any time during operation without service interruption.

WRITE CACHE   READ CACHE   SSD   SSD
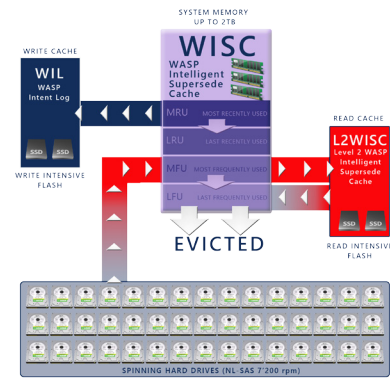
7'200 RPM NL-SAS CAPACITY DISKS

VSM (Virtual Storage Machines)

The VSM technology, is a virtual abstraction layer at storage controller level. Storage resources, delivered by the underlying storage hardware, can be randomly divided into independent, containerised virtual storage systems. These assigned recources can be adapted effortlessly at any time to fit your storage needs in real time.

Management API

QoS | NFS | CIFS | FC | iSCSI

Storage Engine

FC
iSCSI
NFS
SMB

VSM

WASP

Microsoft Hyper-V | vmware READY STORAGE | CITRIX ready | openstack Integrated | cloudstack Integrated
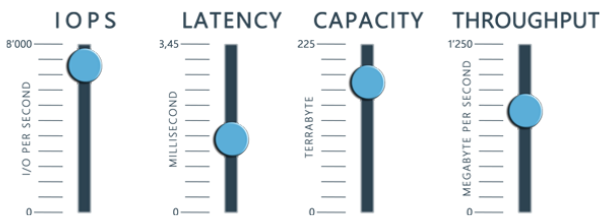
DWACT (Dynamic Worklaod Agnostic Cache Tiering)

Benefit from our DWACT technology, which decouples IOPS performance from the physical devices on which the data is stored. This innovative technology enables the capability to address workload changes in real time, and is a perfect fit in mixed workload environments.

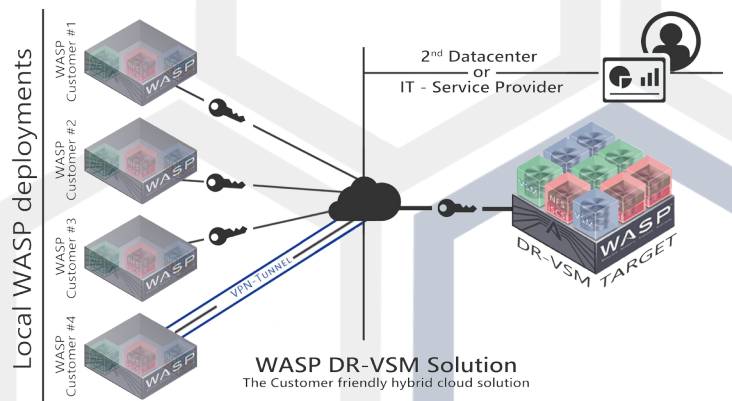

QoS (Quality of Service)

WASP™ OS embedded QoS engine allows to allocate individual storage resources (IOPS, throughput, latency) to any VSM. These resources can be guaranteed and/or limited down to the application level.

This QoS engine increases the resource utilisation dramatically, reducing the storage footprint significantly, resulting in up to 70% overall storage cost savings.
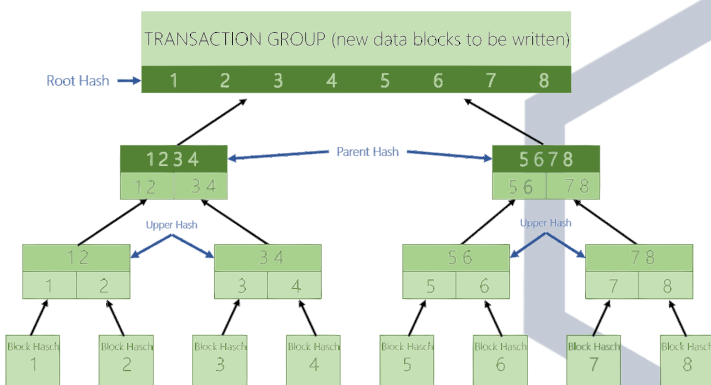

DR-VSM (Offsite Disaster Recovery)

Using DR-VSM you dont have to worry anymore about downtime. In case of an unexpected system outage, the VSM's have copied all data to a bootable DR-VSM running in a different location. This allows the storage administrator to minimize RTO's dramatically. Storage services can be re-established in less than five minutes across the entire AGILESTORAGE infrastructure, based on the selected RPO's.
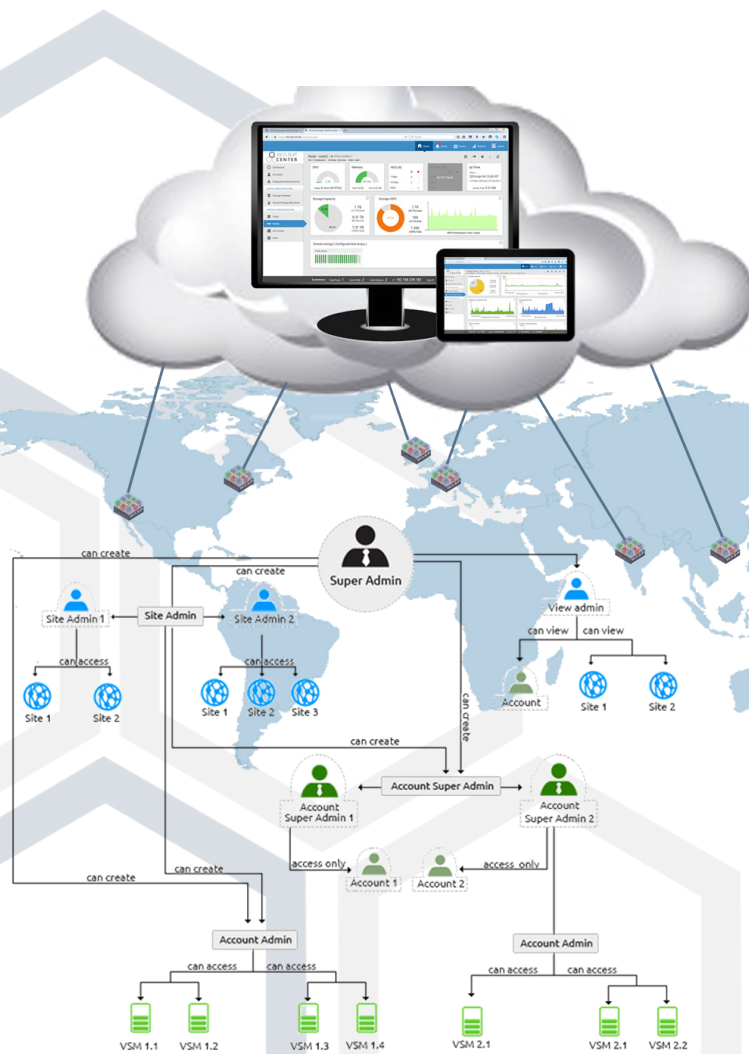

ETEDI (End-to-End Data Integrity)

The ETEDI algorithm ensures your data integrity. Each data block is protected by up to 256-bit checksums, based on a mechanism called the "Merkle Tree" - an integral part of any blockchain technology. By these checksums, errors can be detected and easily corrected.

WASPcenter™ (Centralised Management)

WASPcenter™ is the WEB based management framework, which enables the administration and monitoring of any number of physical AGILESTORAGE appliances and VSM's across your entire storage infrastructure.

Even if the deployment is distributed across data centers and/or continents, WASPcenter™ gives a via the dashboard a to the storage administrator a status overview of all deployed is-torage instances (physical appliances and VSM's) in one single view.

The self-explanatory graphical user interface and detailed storage usage metrics eliminates guess-work, and enables effortless usage optimization of your entire AGILESTORAGE deployment from one single management utility.

WASPcenter increases over-all storage utilization dramatically and unburdens storage admins at the same time.

No matter the size of your AGILESTORAGE deployment, monitoring, scheduling, and troubleshooting has never been simpler or easier.