

Challenges for Traditional Networking

Traditional Data center

router switch

security and optimization devices

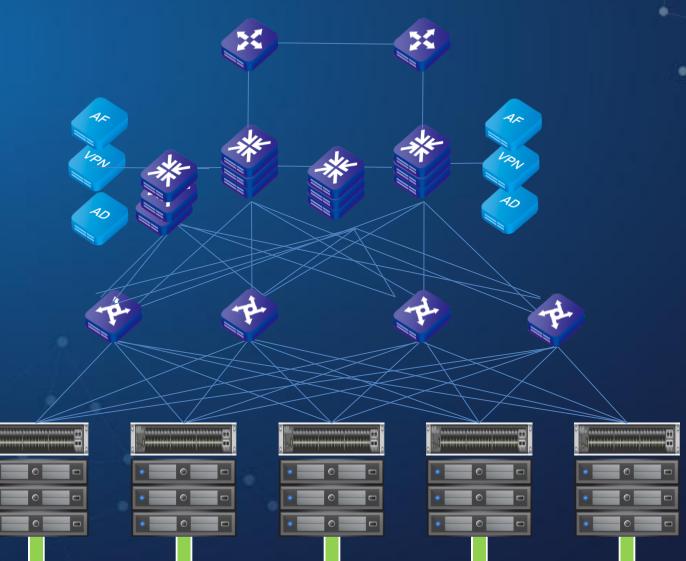
server storage

.....

Too many devices

Complicated connections





Theilis is the their gains the adtit's dragging you down.





IT Generalists

Network Specialist

Storage Specialist

Security Specialist

One unified resource pool including compute, networking, storage and security.





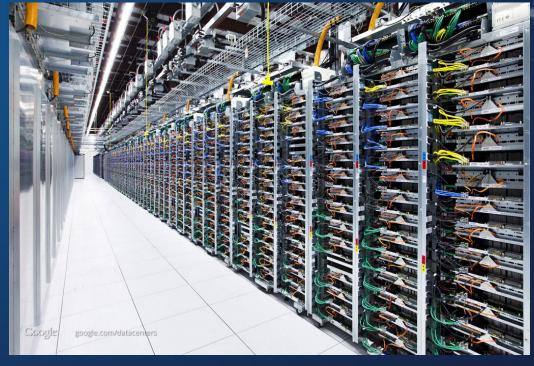






Next Generation Converged Data Center





Legacy Architecture
Server, switches, SAN, NAS
multi-vendor, cluttered, multiple management

Converged Datacenter GFS, commodity servers single-vendor, uniformed, single pane

Is this what you need?











Software Defined Data Center in the "Magical Box"

Easy to Use





Sangfor SDDC Control Panel



No



CPU Us

Memory

IO



Licensing

Upgrade license to gain access to additional Sangfor SDDC capabilities



Date and Time

Set date and time, and sync time with NTP server



Administrators

Manage administrator accounts



Alarm Options

Specify alarm-triggering events, threshold and delivery method



Logs and Alarms

Operational logs and system alarms, references for later troubleshooting



VM Backup and Recovery

Set virtual machine backup policy for quick recovery during node or storage failure



System Backup and Restore

Back up logs and system configuration, and restore system to factory defaults



Upgrade

Keep your Sangfor SDDC software up to date to gain better virtualization experience



Cluster

Configure cluster



Service & Tech Support

Contact technical support for Standard and Enterprise editions



Recycle Bin

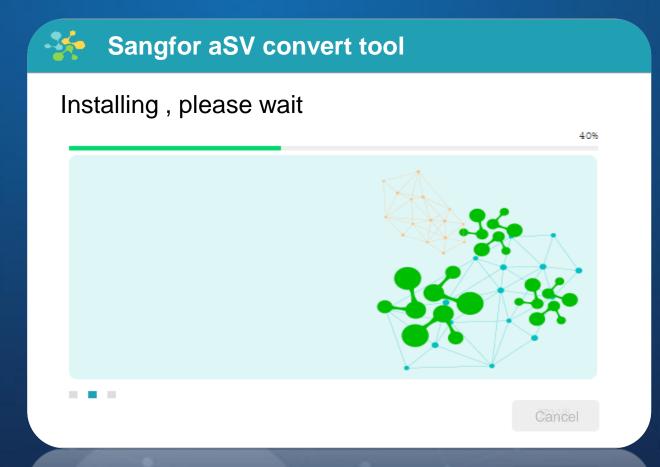
Restore deleted items in 7 days after deletion



HA & Resource Scheduling

Configure HA, resource scheduling and automated hot add to achieve optimal cluster performance.

Easy Migration



VM to VM V2V







Supporting VMware, Xen, Hyper-V, KVM from other vendors

Physical to VM P2V



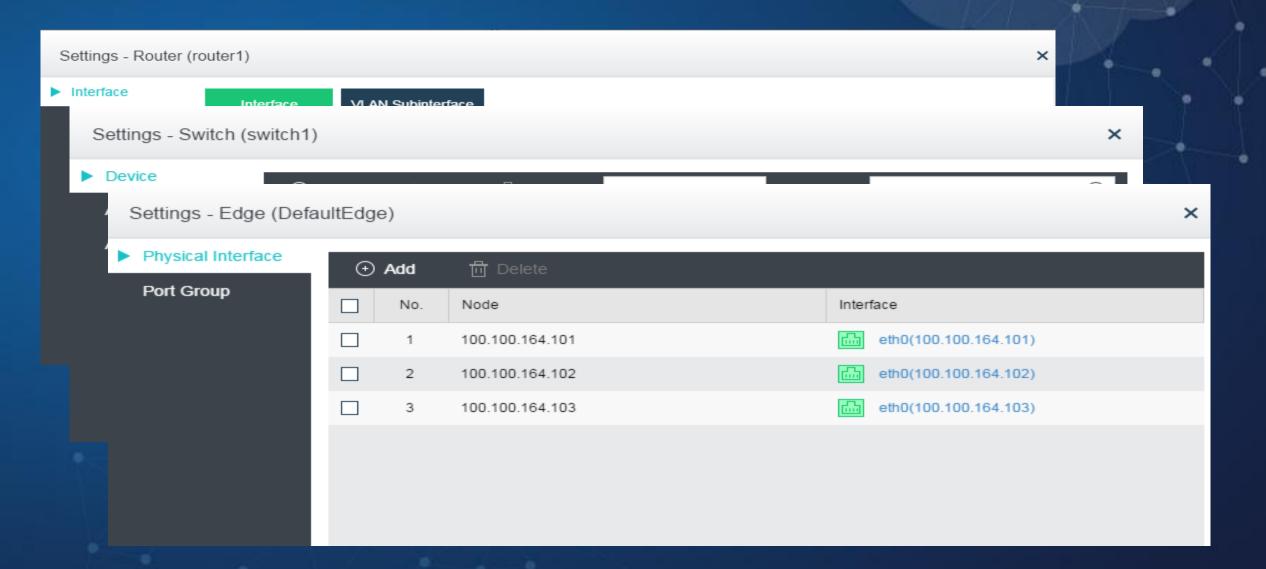




Mainstream OS supported, conversion rate 70 MB/S

Build Data Center from What You Draw



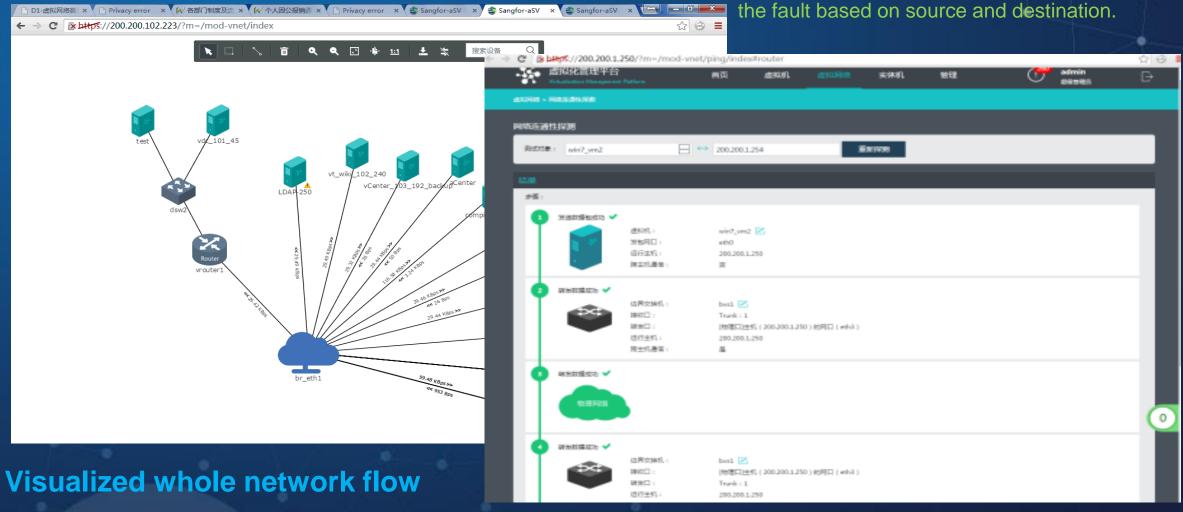


Make configurations on the broswer directly

Visualized DC

Connectivity detection tool

Achieve connectivity detection and locate the fault based on source and destination.

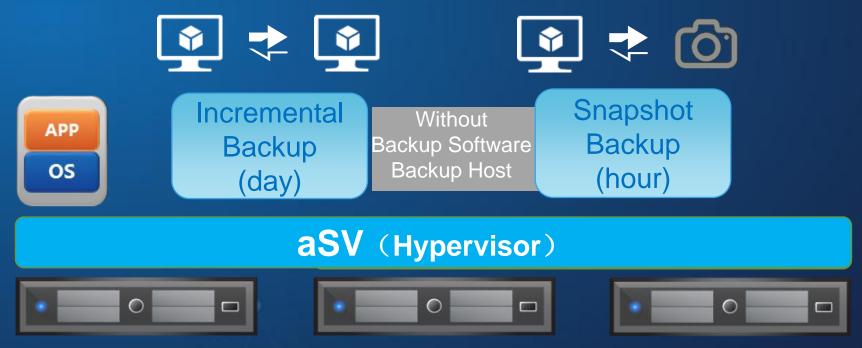


Display real-time flow based on ports, uplink, and downlink of virtual machine

Data Protection

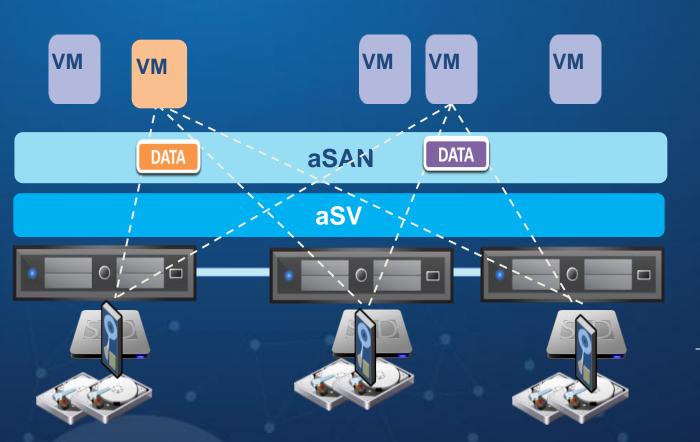


Integrated Backup and Recovery



- ✓ Through fast agentless disk backups to protect your data , using incremental backups reduce the space required for backups, reducing backup costs.
- ✓ Without backup software and backup servers to achieve incremental backup
- ✓ Provide snapshot function, do a static snapshot on the running virtual machine ,easy recovery
- ✓ Provide manual backup and scheduled backup to ensure data security

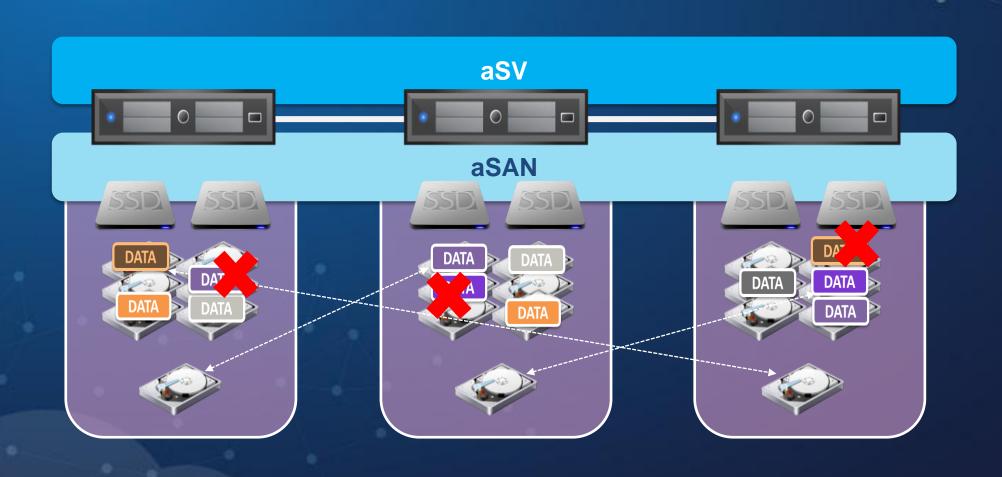
Data Copy Mechanism



Features

- 2-3 Copies of each data,
- Write data synchronously
- Ensure data consistency

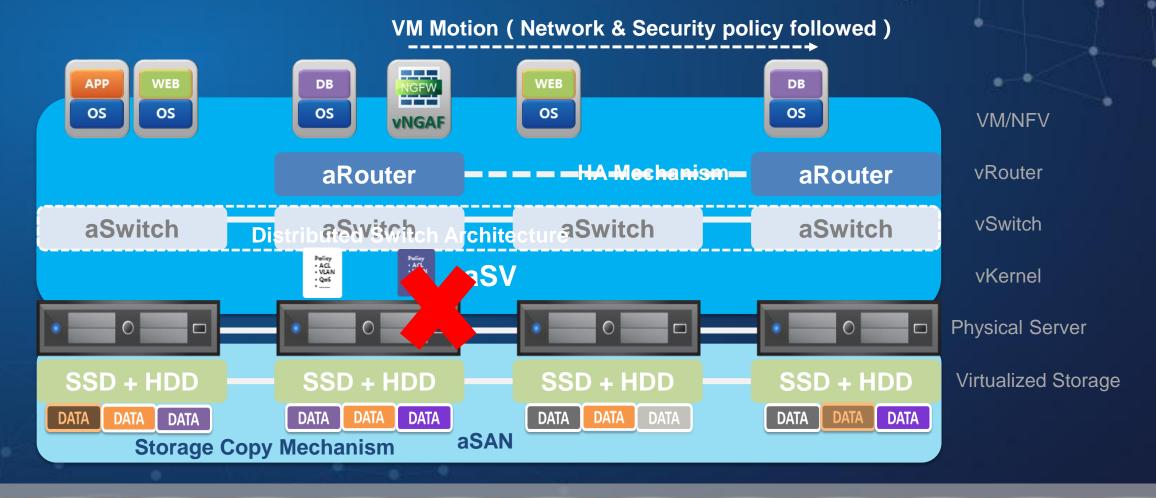
Hot Spare Technology



Business Continuity Sangfor RELEGIENT TO SANGFOR RELEGIENT TO THE RELEGIEN

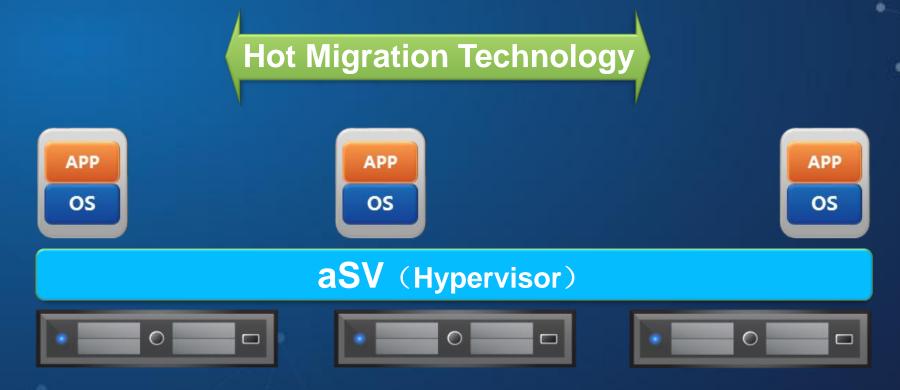


HA



Applications can be restored from networking ,host and storage layer in an extremely short time if physical node failed in the cluster

Hot Migration



- ✓ Online dynamic migration of VM can be achieved by hot migration to ensure business continuity
- Zero Downtime: Hardware maintenance and upgrades migrating workloads, without service interruption
- ✓ Support Fiber Channel and iSCSI SAN environment

Features of aSV Technology: Distributed Resource Scheduler DRS

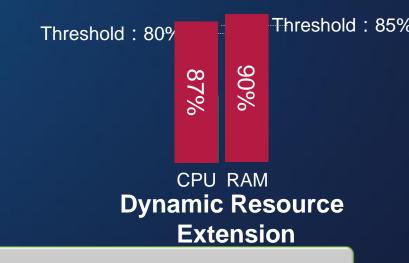


- ✓ Achieve dynamic resource scheduling functions by aSV, without installing agents
- ✓ Set thresholds, when resource utilization is out of range, the trigger of virtual machine migration will operate
- Automatic load balancing of cluster business, reduce resource utilization in the high load cluster hosts

Distributed Resource Extension



Add more resources to support VM



Distributed Management Platform aCenter(without independent installation)

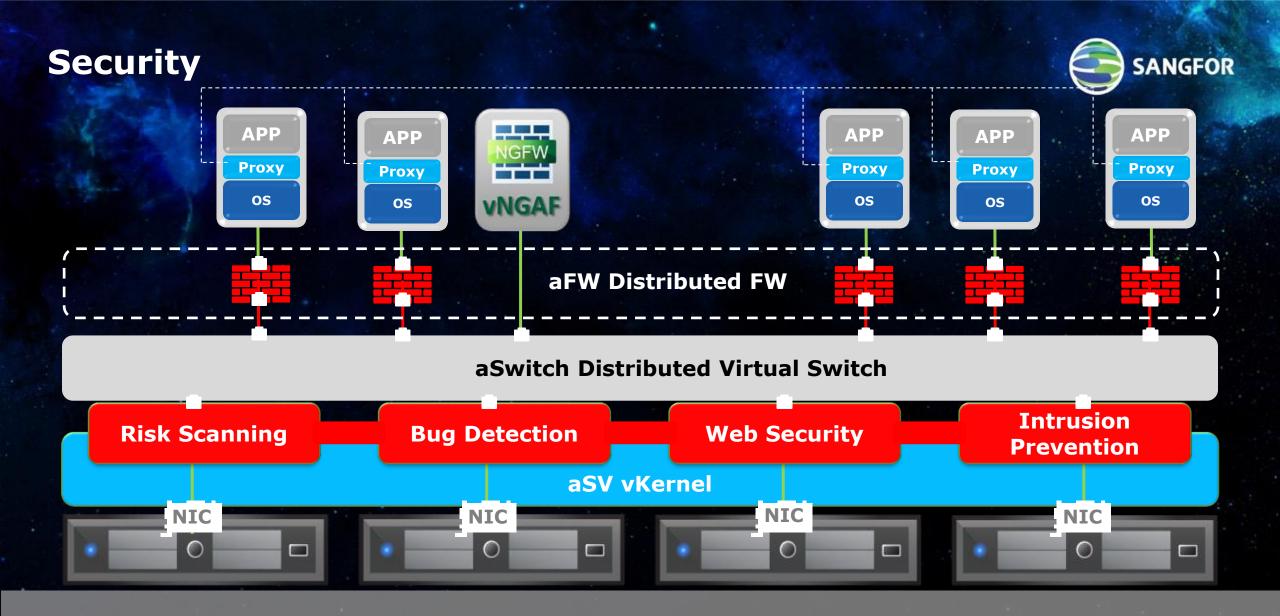
aSV Server Virtualization







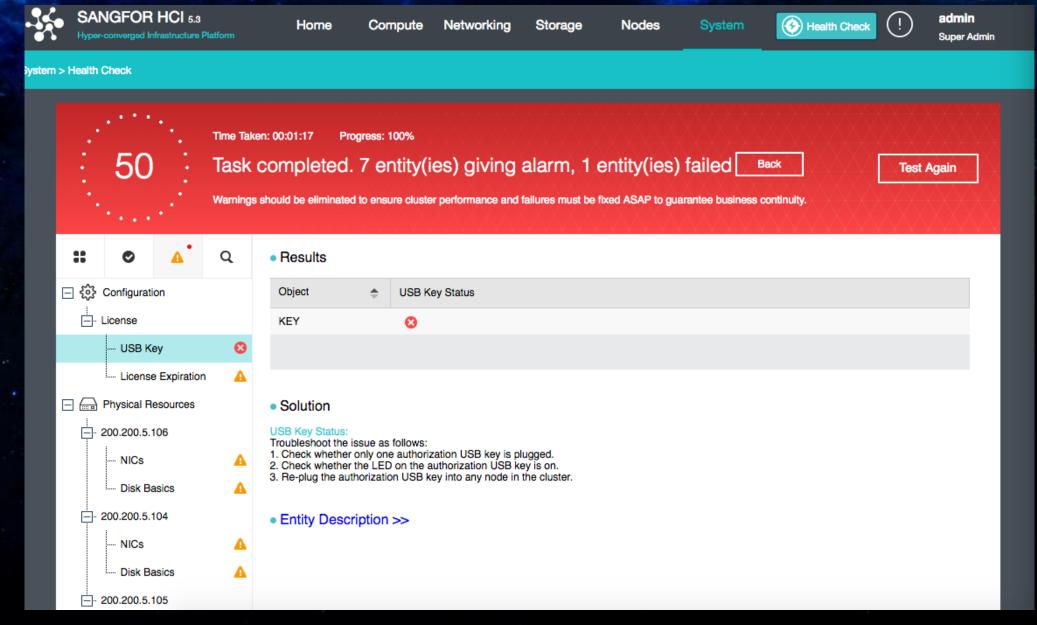




Inside and outside, providing comprehensive security system

1-Click Health Check

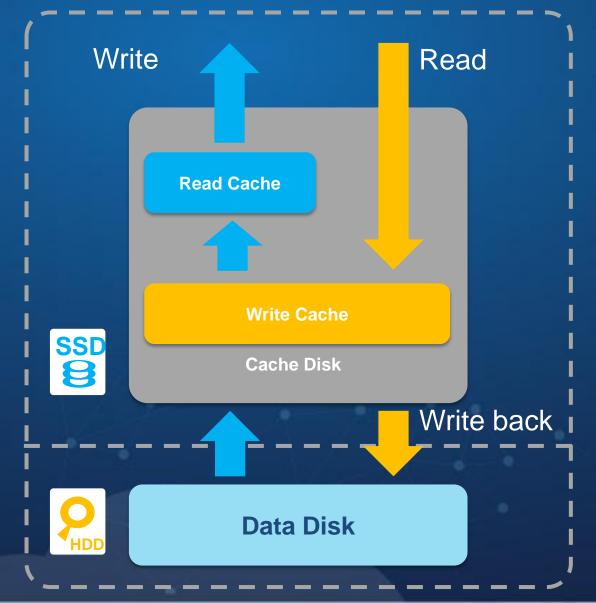




High Performance



Hybrid Disks



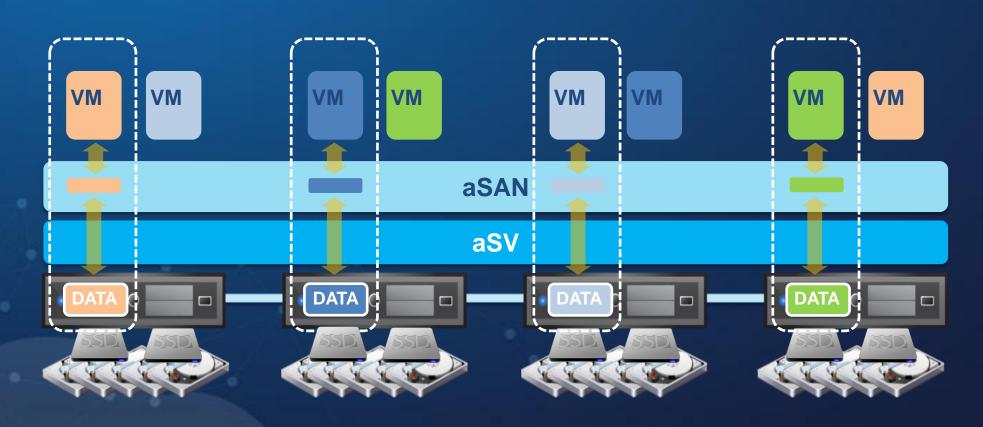
Features

- Cache disks constituted by SSD, Data disks constituted by HDD
- Read cache and write cache share SSD by 7:3
- Read cache is close to users, reducing latency
- Write cache is close to copies, writing to SSD in multiple hosts

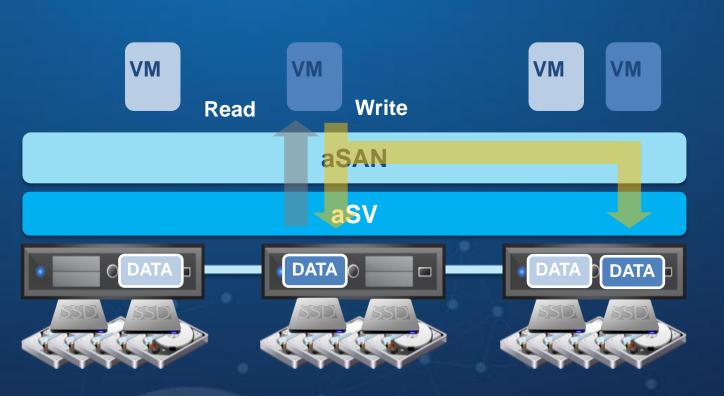
* All Flash Strategy
Higher IOPS, lower latency

aSAN: Patent -- I/O Localization Technology

aSAN can sense the location where VM's data is stored, and run the VM at the physical host in priority which has the data copy



Patent -- I/O Localization Technology



Features

- Read directly from local disks with high performance
- Performance improved and bandwidth saved by 50% by writing one copy to local and the other to remote

Performance and capacity increased linearly with more nodes added



HCI Platform





Intel: CPU supporting VT-x (≥8-12T, 2.6GHz)



6* GE or 10GE recommended, minimum 4 (4 nets: business, cluster, storage, management)



32GB recommended, 16GB minimum (OS occupation< 4GB)



On-board, supporting JBOD (RAID0 if not support JBOD, no disk hot swop)



SSD:HDD=1:3 (SSD 240GB) or 1:5 (SSD 480GB) (Minimum : 1* system disk, 1* SSD, 1* HDD)

Sangfor HCI Architecture



Integrated web-based management platform

NFV: vAF, vIAM, vAD, vWANO, etc

aNET: Network virtualization with SDN

Software

aSAN: Server SAN based on distributed file system

aSV: KVM-based hypervisor, server virtualization

Hardware





Why Sangfor HCI?

- Cost-effective: Based on open source virtualization platform, cluster starting from
 2 nodes (3 nodes for other vendors), every penny shows its value here.
- More than HCI: Real SDDC solution to optimize your compute, network and storage.
- Flexible: Appliance or pure software? Your choice!
- Simple: What you draw is what you get, draw your DC in 5 mins.
- Secure: Over 15 years experience on network security and optimization . Trusted.

Thank you

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