

# Sangfor HCI for Enterprise Applications



[www.sangfor.com](http://www.sangfor.com)



**SANGFOR**

## Challenges

01

Enterprise applications supporting critical business systems are essential to driving business forward in the digital age. ERP is found in most enterprises, HIS in most hospitals and MES in most manufacturers, all working in tandem with database services. As these enterprise applications are the most critical business systems, they can't operate effectively with a slow response time and intermittent disruptions. To avoid these productivity crippling issues, the underlying infrastructure platform must be equipped with several important components.



High Reliability



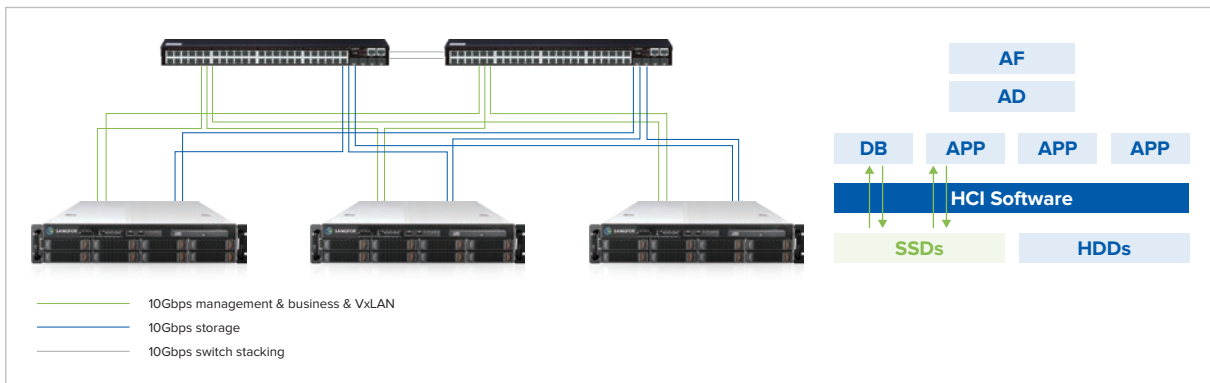
High Performance

## Sangfor Tailors HCI Solutions for Enterprise Applications

02

Sangfor HCI (hyper-converged infrastructure) is tailor-made to run enterprise apps with optimized performance, comprehensive reliability and built-in availability. It is meticulously designed to run and manage enterprise applications on a simplified all-in-one architecture, offering massive TCO reduction and superior manageability.

- Start with three nodes and expand with flexibility
- Intuitively designed guiding wizard for Oracle and Microsoft SQL Server
- Optimized performance from the ground-up
- A top-down and bottom-up approach to reliability and availability



Highly Available & Reliable

RPO = 0 & RTO = seconds



Performance v.s. Competitors

IOPS avg.: 50% ↑ Throughput avg.: 90% ↑

## Running Enterprise Applications with Assured Reliability and Availability

03

Enterprise applications require the underlying infrastructure to be as reliable as possible to keep business running smoothly. Sangfor HCI leverages a variety of techniques and solutions to guarantee the reliability and availability of both on-site and off-site applications.

- Native VM-based data redundancy
- Built-in high availability (RPO=0, RTO=30s)
- Integrated backup and CDP (RPO=0, RTO=5mins)
- Flexible disaster recovery (RPO=1s, RTO=10mins)
- Automated stretched cluster (RPO=0, RTO=0)

Sangfor HCI addresses performance issues from numerous architectural perspectives, making dynamic performance and optimization adjustments to meet enterprise application requirement by offering:

- Distributed architecture with scale-out performance
- AI-enhanced DB performance optimization
- Memory optimization with vNUMA/NUMA, HugePage and memory segregation
- SSD caching/tier-ing
- Data striping

Model	IOPS (4KB, 70% read, 30% write)	Oracle RAC TPM (Swing Bench, 2000 concurrency)
<b>3* aServer 2200</b> (GOLD 518, 128GB RAM, 2* 480GB SATA SSD, 6*4TB SATA HDD, 6*1GE + 2*10GE)	197000	620000
<b>3* aServer 2300</b> (GOLD 6132, 128GB RAM, 2* 480GB SATA SSD, 6*4TB SATA HDD, 6*1GE + 2*10GE)	252000	860000

## The Sangfor HCI Enterprise Application Solution is Different



**Purpose-built Performance Enhancement**



**Assured Reliability & Availability**



**All-in-one SDDC**



**Ultimate Simplicity & Ease of Use**

## Proven Compatibility for Enterprise Applications

Sangfor HCI has been proven to be compatible with a wide range of enterprise applications.



## Acknowledged by Customers World-wide

A growing number of customers are running their most business-critical enterprise applications on Sangfor HCI with total peace in mind.

