

SvSAN™ Container Storage Interface (CSI) Driver

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CONTAINER ADOPTION IS ON THE RISE

Organizations utilize containers to improve speed, agility, and scalability in application deployment.

Containers:

- Provide more apps per single OS instance
- Require little memory and launch quickly
- Require less hardware and physical space
- Accelerate time-to-value
- Enhance developer productivity

According to Gartner, over 85% of global organizations will be using container applications in production by 2025, up from less than 35% in 2019, and over 80% of all ISVs will offer their software in containers in 2025, up from less than 10% in 2019 (Fig 1).

MAKING THE EDGE READY FOR CONTAINERS

Most container development and deployment has been in the datacenter. But most new data is generated at the edge and the time to move containers to the edge is now. StorMagic™ can help in this regard with our SvSAN Container Storage Interface (CSI) driver. The SvSAN CSI driver provides persistent, highly available storage for containers, and VMs, for a wide range of use cases, including at the edge.

As customers begin to deploy containers, it is important to do so simply, in trusted environments, without significant additional costs. Many customers will migrate slowly from VMs to containers, moving one or a few applications at a time. And some applications may never move to containers.

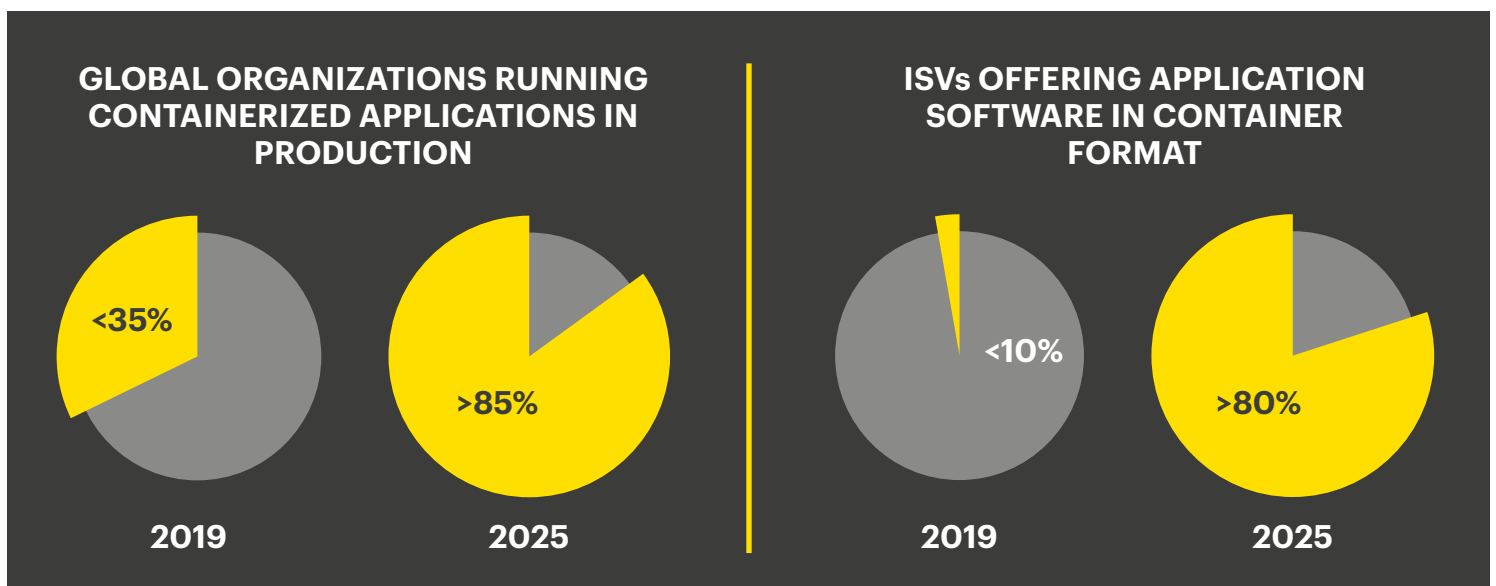


Fig. 1: Global container adoption

StorMagic SvSAN supports this “journey to containers” with support for VMs, containers, or both in the same 2-node highly available cluster.

The SvSAN CSI driver is a no-cost download for SvSAN and delivers on the tenets of StorMagic SvSAN: reliability, simplicity, and lower cost (Fig. 2).

SYSTEM REQUIREMENTS

The following software versions are required to deploy containers on StorMagic SvSAN:

Software	Version
StorMagic SvSAN	From 6.2 Update 5
SvSAN CSI driver	1.0.0
VMware vSphere	7.0
Kubernetes	1.19 or 1.20
VMware Tanzu Kubernetes Grid ¹	1.2
¹ Optional - for running Kubernetes workloads natively on the hypervisor layer	



Fig. 2: SvSAN CSI is reliable, simple, and lower cost

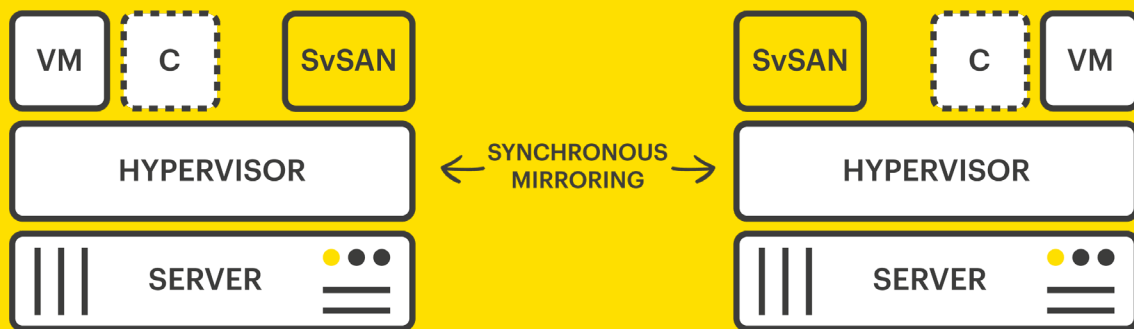


Fig. 3.: SvSAN supports VMs and containers in the same cluster

BENEFITS OF SvSAN WITH CSI DRIVER

- Persistent, highly available storage for containers
- One solution to manage
- One storage platform for VMs and containers (Figure 3)
- High performance and scalability
- Synchronous mirroring – high availability for VMs and containers
- Robust data protection - deploy and protect data in VMs and/or containers
- Retains all the benefits of SvSAN: 2-node HA clusters, centralized management, and a small footprint for VMs and now containers too

For more information on StorMagic SvSAN, visit the [StorMagic website](#) or refer to the [SvSAN data sheet](#).



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