

ShadowXafe™

Powerful Data Protection Made Simple

StorageCraft® ShadowXafe™ is a data protection solution that brings a unified, SLA-driven management for the complete data protection lifecycle. ShadowXafe delivers dependable data recovery with an optimized, easy-to-use management workflow. Its powerful data protection is both agentless and agent-based, applicable for a wide range of workloads, physical and virtual, on premises and in the cloud. ShadowXafe ensures reliable data protection, reducing application downtime and improving productivity. In the event of system-wide failure, data corruption or natural disaster, ShadowXafe's patented VirtualBoot technology allows organizations to perform virtual machine (VM) recovery in milliseconds and restore their entire infrastructure in minutes. ShadowXafe provides total business continuity when integrated with StorageCraft Cloud Services, our disaster recovery as a service (DRaaS) as a service platform.

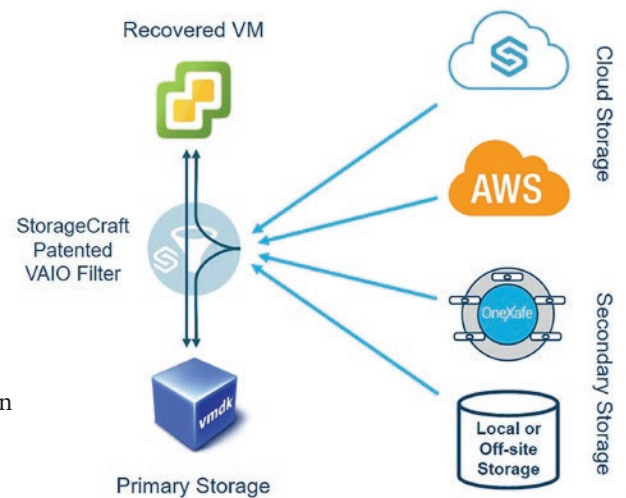
ShadowXafe's Architecture is designed from the ground up and is a collection of interconnected, scalable, and easily manageable microservices that deliver robust data protection and storage access. It consists of three main components: Data Protection Services, Agents, and OneSystem®. The **Data Protection Services** deliver storage access and data protection procedures including backup, restore, replication, and storage. **Agents** are adapters for protecting physical servers and virtual machines (VMs) to deliver higher SLAs. **OneSystem** is the management framework that orchestrates and manages the activities within Data Protection Services. Users get real-time monitoring, reporting, and visibility from any location.

Instant Restore with VirtualBoot

The patented StorageCraft VirtualBoot technology instantly restores data, directly from the backup images, and gives users full access to system resources and applications in seconds. There is no need for VMware Storage vMotion as data can be restored directly on the primary storage. VirtualBoot is built on VAIO filter and performs advanced intelligent I/O read-ahead to deliver the data before it is needed. Although rapid failover in the event of a disaster is the most critical function of VirtualBoot, it provides various other valuable functions including:

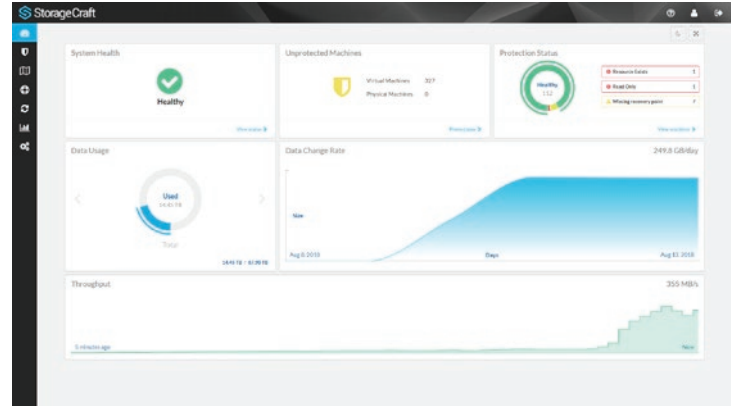
- Confirm and validate backup images proactively
- Act as a temporary solution to minimize downtime during server migration
- Test software packages
- Provide application/kernel updates before production deployment
- Access applications from a specific point in time to export data from applications

ShadowXafe VirtualBoot



Management Simplicity with OneSystem

The data protection workflow is managed through OneSystem®, a unified management platform featuring a true SLA-based protection framework. OneSystem seamlessly integrates into VMware vCenter environments, delivering a deployment experience that's similar to that of deploying a simple virtual appliance. The dashboard gives an overview of the health of the system. Policy creation is intuitive with all the ingredients that make up the SLA - backup frequency, retention policy, target location, replication for offsite disaster recovery - in a single location. Once created, the SLA protection policy can be applied to a set of VMs or physical servers.



Features and Benefits

Features	Benefits
Flexible Recovery	<p>Recover to dissimilar HW or virtual environments</p> <ul style="list-style-type: none"> Ensures that recovery is timely & quick (v2v, p2p, v2p & p2v) Utilize resources on hand. No waiting for any specific resources
Instant Recovery	<p>Quickly recover files/folders in seconds and entire systems in minutes</p> <ul style="list-style-type: none"> Recovery using VirtualBoot IO read-ahead technology, irrespective of the VM size Direct recovery to primary store means no Virtual Storage Motion and no performance impact during recovery
Reliable Recovery & Data Integrity	<p>Dependable recovery</p> <ul style="list-style-type: none"> VMware Certified VAIO filter driver for VirtualBoot restores Automated, advanced reverification of backup images along with inflight verification ensures dependable backup images Smart retries, and self-healing repairs ensures service reliability Retained metadata for improved recovery experience Cold file access/recovery AES 256-bit encryption for data security Best-in-class certified VSS integration for app-consistent data protection
Integrated DRaaS	<p>Total business continuity</p> <ul style="list-style-type: none"> Orchestrated, one-click virtual failover Self-service portal with no 3rd party intervention during recovery Replication to another site or StorageCraft Cloud Services Seed/BMR drives and web download

To Learn More

For additional details, including trial downloads and product documentation, visit: www.StorageCraft.com

For questions or additional information, please contact your StorageCraft Account Manager or StorageCraft Distributor, or email us at: ContactUs@StorageCraft.com



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