

# KVM Backup and Recovery

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KVM (for Kernel-based Virtual Machine) is a full virtualization solution for Linux on x86 hardware containing virtualization extensions (Intel VT or AMD-V). It provides excellent application performance and a solid foundation for cloud-native and container-native workloads.

Storware Backup and Recovery offers a modern data protection solution that provides backup and recovery of VMs running in KVM and KVM-based environments. With Storware you can significantly improve the performance of your data center, automate recovery tests, and thus easily save resources, time, and money.

## Support for QEMU 2.1+

(qcow2-based VMs need libvirt with block commit feature), libvirt.

## Benefits



**Easy Configuration** – configuration Wizard makes the launch and setup of Storware fast and easy. Start to protect your VMs within minutes!



**Set and Forget Automation** – automate VM protection with custom or predefined backup policies and test backup automatically with Recovery Plans to ensure recoverability.



**Centralized Management** – Storware offers centralized management using a browser-based console, scalability via multiple nodes, a wide range of supported backup



**Transparent Licensing** – the easiest licensing without hidden costs: per VM, per Host, per TB.

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## Features

- incremental backup
- file-level restore
- VM disk exclusion
- quiesced snapshot  
- (hypervisor-dependent)
- pre/post snapshot  
command execution
- backup disks sharable  
over iSCSI
- name-based policy  
assignment
- available space  
for snapshot check  
- (hypervisor-dependent)

## Advantages

Installation requires basic Linux skills, which isn't a big problem for KVM administrators. While running a single command could be accomplished even with the minimum set of Linux skills, for a complete setup, you also need to know how to connect to your storage or set up connectivity with other types of backup providers. KVM itself requires just an SSH connectivity setup (such as keys), so you can already run inventory synchronization and proceed with backups.

Storware Backup and Recovery is a quick-to-deploy solution to protect multiple environments that are already implemented in KVM virtualization. Storware provides flexibility in both the supported backup destinations and other types of hypervisor. All under one license, with no hidden costs.

Storware improves recovery plans to support health checks for restored virtual machines. Another small but valuable improvement concerns the standalone KVM servers, which will get a browser for the destination path for restored VM in the web UI (so that you don't have to type the path manually).

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## No Vendor Lock-in



Storware offers data protection and recovery for multiple KVM-based solutions, including oVirt-based, OpenStack, Nutanix, and even regular KVM standalone servers (managed via libvirt).

## Backup Destination



Storware supports file systems, object storage, and enterprise-grade backup providers as the backend, so it is easy to fit Storware Backup and Recovery into the existing infrastructure.

## Freedom of Choice



Storware provides an agentless backup of VMs using VM disks based on QCOW2/RAW files, LVM volumes, or Ceph RBD.

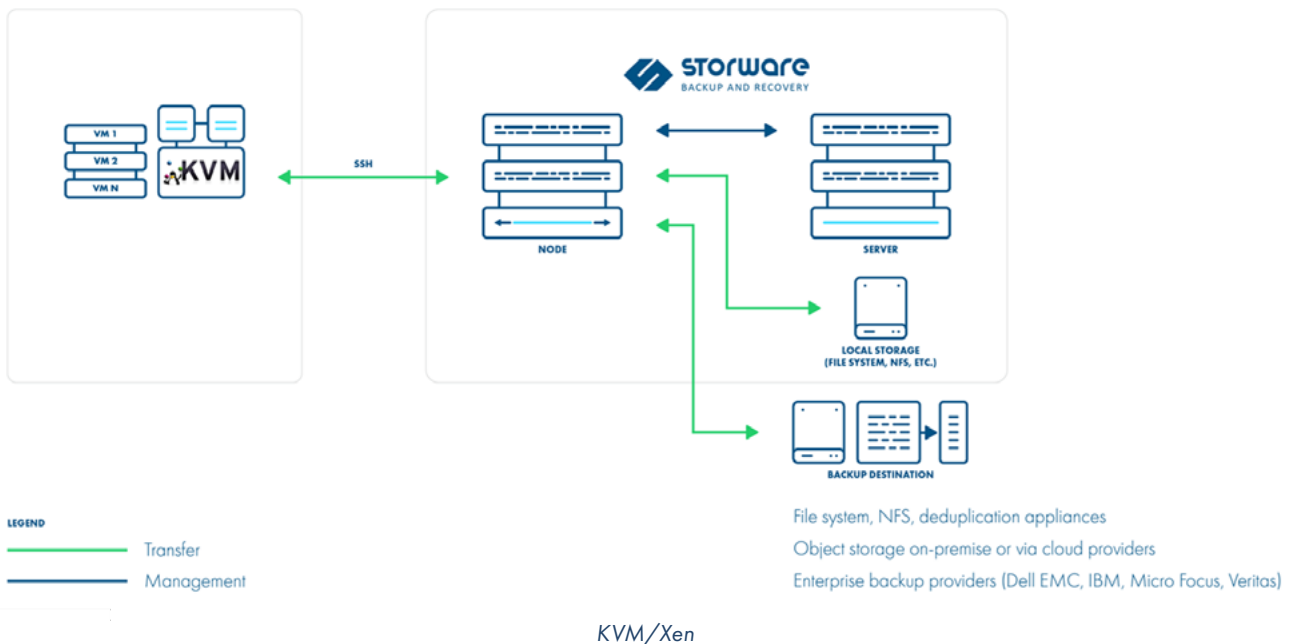
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## Switch to First Class Backup and Speed Up!

Choose a free version or unlock the full potential of Storware Backup and Recovery with a 60-day free TRIAL!

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Storware access KVM/Xen (stand-alone libvirt) hosts over SSH.  
 The Storware Backup & Recovery Node can be installed outside of the environment.



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