Vinchin Backup & Recovery v4.0
Next-Generation VM Backup for Multi-Types of Virtualization Environment

Vinchin Backup & Recovery is an easy-to-use, reliable and cost-effective VM backup solution for multi-types of virtualization environment (e.g. Vmware, XenServer, RHV/Ovirt, OpenStack, Sangfor, and other KVM / XenServer based Hypervisors).

VM Backup

Backup for VMware vSphere, Citrix XenServer, RHV/Ovirt, OpenStack, Sangfor HCI, H3C CAS and Inspur InCloud
Vinchin Backup & Recovery is developed to support the worldwide mainstream virtualization platforms. It specially provides excellent user experiences for customers who require data protection under different virtualization environments.

Image-Based and Agentless Backup
Vinchin Backup & Recovery is image-based backup solution and no need to install any agent on the guest OS, directly access hypervisor which leads a zero consumption of OS resources. Thus to reduce both deployment time and operation workload.

Smart Backup Strategy
- Time granularity of full backup, Incremental backup and differential backup can be set to minute-level. Which means your backup job can be automatically repeated minimum every minute.
- Backup retention policy can be set on each VM, data out of the time/ over range will be auto-deleted.
- Multiple VMs can be backed up and restored concurrently under the same virtualization environment.
- Use bank grade AES encryption to secure the transmission and storage of VM backups.

Forever Incremental Backup
With Vinchin Backup & Recovery, you can set forever incremental backup strategy for all Vinchin supported virtualization platforms. By setting forever incremental backup, the backup server will make one full backup at the first time and make incremental backup forever to speed up backup and save your storage space.

Highlights

Image-based backup for entire VM (including all the OS, applications and databases in the VM)

Agentless hot backup for multi-types of virtualization without any agent installation

LAN-Free Data Transfer helps speed up the backup and restore progress

Deduplication and Compression helps to save backup storage space

Multi-nodes backup reduces performance pressure, improve backup speed

Centralized configuration and management via a user-friendly Web console

Restore any point or any size VM in less than 15 secs

Easy to use, complete backup/restore jobs in less than 10 mins

Cost-effective price helps save your budget

Download free trial
http://www.vinchin.com/en/support/vm-backup-free-trial.html

CBT and SpeedKit for incremental backup

CBT which is supported on VMware and XenServer can improve the computing speed of changed data when doing incremental backup, comprehensively reduce the backup time. SpeedKit is a similar technology developed by Vinchin to support RHV and other virtualization which does not support CBT but also in need of improving incremental backup speed.

LAN-Free Data Transfer

Data usually is transferred via LAN when doing backup and restore, but when the data size is too large, time windows are sort of tense, network jam will probably occur. Using LAN-Free to backup and restore for VMware, XenServer and RHV under SAN environment, can help to reduce network jam, improve backup and recovery speed without building any separate DR backup network.

Data Deduplication and Compression

Data Deduplication and Compression helps to decrease backup size. Meanwhile, multiple data block sizes are selectable from 64KB to 4096KB , flexible for users to choose a most suitable data block according to the present environments. Extremely saved the storage space and costs.

BitDetector to skip unnecessary data

With Vinchin BitDetector, those unnecessary data including swap files, deleted files and unpartitioned space which are useless for the production system can be detected and swiped when doing backup. So that to reduce the backup size, speed up data transfer as well as save backup storage space.

VM Recovery

Instant VM Recovery

Instant recovery is available on all the virtualization platforms that Vinchin supports. With Vinchin Backup & Recovery, you can instantly recover TB sized VMs in 15 secs, and make sure all business can be recovered in 1 min, extremely minimized the break-off time of critical business.
- Any deduplicated or compressed backups can be recovered.
- Backed up data remain read-only, new written data goes to cache file.
- Recovery time is constant, it's not effected by data size of the VMs.

Quick-Verify Recovery Availability

Recover the VM backups to Data Verification Area (which is isolated with Business Area) by Instant VM Recovery, in which way can help quick-verify the availability of backed up data.

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Supported environments

VMware
vSphere 6.x
vSphere 5.x
vSphere 4.x
ESXi 6.x
ESXi 5.x
ESXi 4.x
vCenter Server 6.x
vCenter Server 5.x
vCenter Server 4.x
vSAN 6.5/6.7

Citrix
XenServer 7.x
XenServer 5.6/6.x

RedHat
RHV/Ovirt 4.x

OpenStack
mitaka
libvirt 1.2.17
Ceph 10.2.6

SANGFOR
Sangfor HCI 5.x

H3C
H3C CAS v3

Inspur
InCloud Sphere 4.0/4.5

Note: If your current hypervisor is based on KVM/ XenServer but not listed here, please contact us to learn the availability of your hypervisor.

System Requirement

VINCHIN Backup & Recovery requires at least 2CPU cores and 4GB RAM with Gigabit network. The product is an operation system ISO package, you can download this package and directly install it on a physical host or a virtual machine.

Full VM Recovery

When any damage or mistaken-delete happens to the backed up VM, you can restore it from multiple points in time rather than just 'the latest backup'. Besides, you can choose to restore single or a group of VMs to the original host or other specified host.

Live Migration

After instantly recovering, the VM can be synchronously migrated to the production area via VMware vMotion or Vinchin Backup & Recovery live-migration function. Thus to complete the VM recovery without effecting the operation of business.

Centralized Configuration & Management

Scale-out Backup Repository

Backup repository can be easily expanded via Web console. Multiple types of storage are selectable to store the data of backed up VMs, e.g. Partition, Local Disk, Logical Volume, Fiber Channel, iSCSI, NFS and CIFS etc. In which way can help expand backup storage capacity.
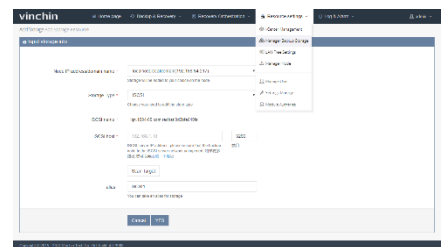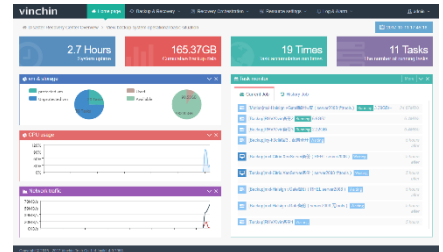
Backup Node Expansion

In a large-scale business environment with large sized data, setting multiple backup nodes can help distribute all data and backup them to different repositories simultaneously, to realize backup nodes' horizontal expansion. All the backup nodes will be centrally managed by a specified master node, thus to improve backup efficiency of all nodes.

Web UI – Unified Management Platform

- Home page Dashboard displays jobs operation related status information, easy to monitor.
- Backup & Restore jobs of any single or group of VMs can be done via this Web UI.
- Supports selecting multiple VMs to backup across different hosts concurrently.
- Backup individual virtual disk when there exists multiple disks under the same VM.
- Backup copy to another local host in case any damage happens to the original host.
- Provides Email notification for job and system alerts.

Supported Hypervisors

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