



# VINCHIN BACKUP & RECOVERY

NEXT-GENERATION VM BACKUP SOFTWARE  
PROTECT YOUR BUSINESS DATA

# VINCHIN BACKUP & RECOVERY

## Next-Generation VM Backup for Multi-Types of Virtualization Environment

### 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

#### Hyper-V

Windows Server 2012  
Windows Server 2012 R2  
Windows Server 2016

#### Citrix

XenServer 7.x/8.0  
XenServer 5.6/6.x  
XCP-ng 7.x/8.0

#### RedHat

RHV/oVirt 4.x

#### OpenStack

OpenStack mitaka

#### SANGFOR

Sangfor HCI 5.x

#### Inspur

InCloud Sphere 4.0/4.5

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

### High Compatibility With Mainstream Virtualization Platforms

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.



### 100% Reliable VM Backup Software, Certified by Well Known Virtualization Vendors

Vinchin has been always concentrating on the VM data protection, Vinchin Backup & Recovery which is an excellent-performed and outstanding product has been praised by the world top virtualization vendors and has obtained the corresponding certification including VMware Ready, Citrix Ready, Redhat certified Technology, H3Cloud Ready and NeoCertify. Enterprises can take full advantages of the certified Vinchin backup software to protect their virtualization environment and reduce project risk.



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

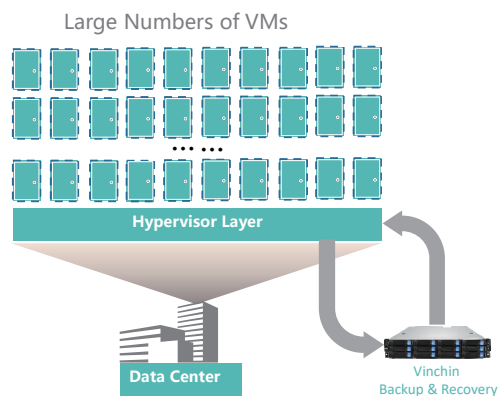
# VINCHIN BACKUP & RECOVERY

## High Efficiency Data Protection for Large Numbers of Virtual Machines

With the rapid growth of the data in modern world and high requirement of the business SLA, data protection becomes more and more important for most industries to concern, especially the IT companies.

Vinchin Backup & Recovery provides comprehensive data protection for virtualization infrastructure and even deep into application systems. By deploying Vinchin Backup & Recovery in your virtualization environment can not only protect all your VMs but also save your budget comparing with customized solution.

### Image-Based Backup Without Any Agent Installation For All Vinchin Supported Hypervisors



Traditional backup technology mainly provides protection for the system internal identifiable objects, such as files, applications, operating systems, volumes, etc. It requires to install proxy software in the operating system of each VM to complete the backup. Since there are thousands of VMs in a virtualization environment, traditional backup methods not only cost much higher on OPS and management, but also may have other problems such as compatibility.

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

### Smart & Flexible Strategy To Easy Protect Your VMs Without Headache

- a Set time schedule for backup and restore job to let it keep running repeatedly
- b Select individual virtual disk to backup or restore
- c Reserve restore points by number of days or number of points
- d Backup & restore multiple VMs in one job at the same time
- e Email notification is configurable for job and system alerts
- f Use bank grade AES encryption to secure the data transfer



More Efficient



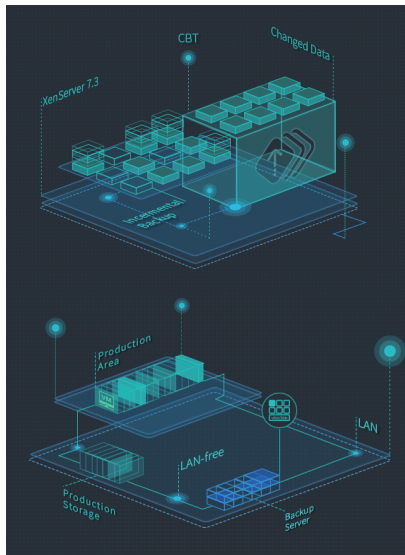
More Secured



More Automated

# VINCHIN BACKUP & RECOVERY

## High Efficiency Data Protection for Large Numbers of Virtual Machines



### Improve Backup & Recovery Speed

#### 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 Vinchin supported virtualization which does not support CBT but also in need of improving incremental backup speed.

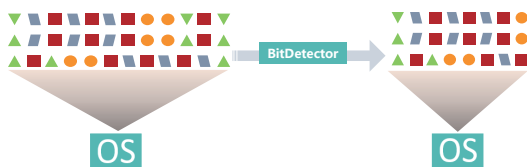
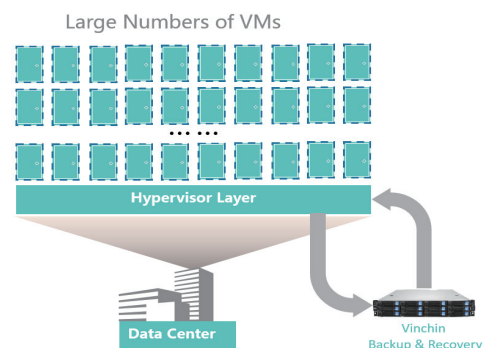
#### LAN-Free backup and recovery

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.

### Save Backup Repository Space

#### Deduplication & Compression to reduce backup size

With Vinchin Backup & Recovery, most of the duplicated data in the VMs will be detected and deleted before being transferred to the backup repository. After data has been deduplicated, they will be compressed as per preset block size and be stored to the backup repository. Meanwhile, multiple data block sizes are selectable from 64KB to 4096KB, flexible for users to choose a most suitable data block size according to the present environments.



#### BitDetector to skip unnecessary data

With Vinchin BitDetector, those unnecessary data including swap files (A swap file is used as a temporary location to store information not being used by RAM currently, such as pagefile.sys/hiber.sys.), deleted files (e.g. files in recycle bin) and the un-partitioned disk space (e.g. deleted partition on hard disk) which are useless for the production system can be detected and skipped when doing backup. So that to reduce the total backup size, speed up data transfer as well as save backup storage space.

## Instantly Recover Entire VM, Ensure Business Continuity

By using Vinchin Backup & Recovery, you can instantly recover the entire VM and all its data from any restore point (no matter it's a full backup, incremental backup or differential backup) without any effectings on the original backup data. Any deduplicated or compressed backups can be recovered. It not only minimizes the loss of crucial business interruption caused by disaster or system failure, but also is a key functionality to verify the backup data Availability.

- Recover TB size VM in 15 secs
- All business recovery in 2 min
- Apply to any Vinchin supported virtualization



## Quick-Verify Availability of Any Backup Data

Have you ever think about this? How do I know the backed up data is recoverable and unbroken?

Exactly! Even we have one backup solution in hand, and we did perform backup job every day, but we can not guarantee the backups are 100% recoverable and unbroken unless we perform a restore job. But the VM size is quite large and definately we will spend both time and storage space to verify the data availaibility.

With Vinchin Backup & Recovery, you can instantly restore the VM backups to verification area ( which is isolated with production area ) by Instant VM Recovery. It only takes you 2 munite and does not occupy any storage space, in which way can help quick-verify the availability of your backup data without effecting production system business.

## Simpler and More Secured Full VM Recovery

As we know, using legacy backup solution to recover applications and data under a virtualization environment is not an easy thing. We have to individually recover those discrete data (e.g. operating systems, files, databases). It not only takes a lot of time to do the recovery, but also is a heavy and complicated work for IT managers.

Vinchin Backup & Recovery can recover the entire VM with all data and applications inside this VM. 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. It not only saves you a lot of time when doing VM recovery, but also saves your recovery cost and guarantees your business accessibility.

# VINCHIN BACKUP & RECOVERY

## Disaster Recovery via Instant Recovery and Live Migration

### Changes for today's enterprise:

- IT infrastructure is changing from Legacy to modernized
- Server virtualization rate has been exceeded 75% in many organizations
- Data grows at an annual rate of 30-50%

### Challenges for today's IT department:

- How to effectively take preventive measures to protect data?
- How to reduce the risk of data loss when disaster occurs?
- How to reduce the business interruption loss due to VM failure?

### Minimize Your RTO | Guarantee Your Business-Continuity

Vinchin Backup & Recovery provides a combination of instant VM recovery and live migration to realize a really cost-effective disaster recovery. When disaster occurs or the target VM is failed, all you need to do is instantly recover the failed VM to another host which just takes you 2 minutes and you will be able to do any operation in this VM like writing in new data or checking any file. When the VM is in a break time, you can use Vinchin migration or VMware vMotion to migrate this instantly recovered VM to another location. All the original data and new written data in this VM will be migrated to the specified storage.



**More Flexible**  
**More Automated**



# Copy VM Backups to Onsite/Offsite for DR

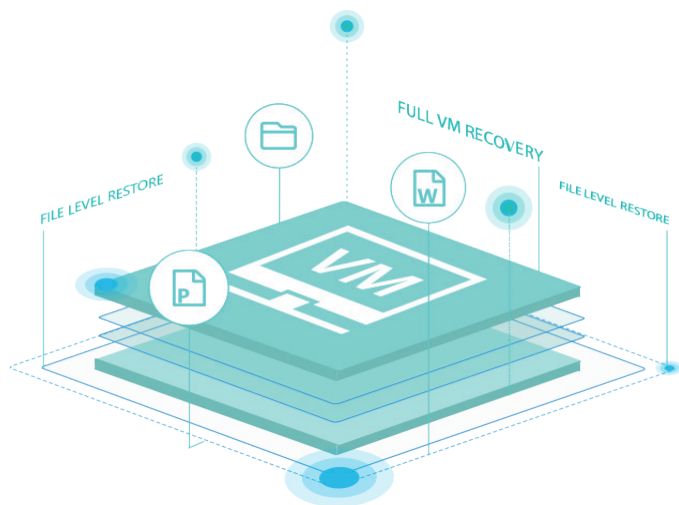
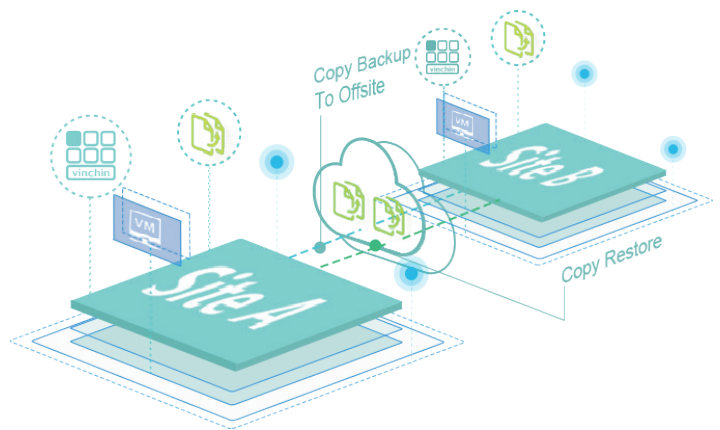
Vinchin Backup & Recovery allows user to copy VM backups to different locations, including any second onsite storage and offsite storage.

## Offsite Disaster Recovery:

When any disaster occurs in your onsite production system, you can directly use the copied backups in offsite storage to recover the VMs to offsite production system.

## Onsite Disaster Recovery

If you have no production system in offsite location but only have a storage there, you can transfer back the copied backups from offsite storage to onsite storage, and recover the VMs in onsite production system.



## File Level Restore | Single File Recoverable

With Vinchin Backup & Recovery granular recovery feature, you don't need to restore entire VM to get specific files, instead, just a few clicks you can easily restore the target file from the VM backups and be able to download it from web browser quickly.



Government



Finance



Education



Health Care



Energy



Enterprise



More

# VINCHIN BACKUP & RECOVERY

## Centralized Configuration & Management

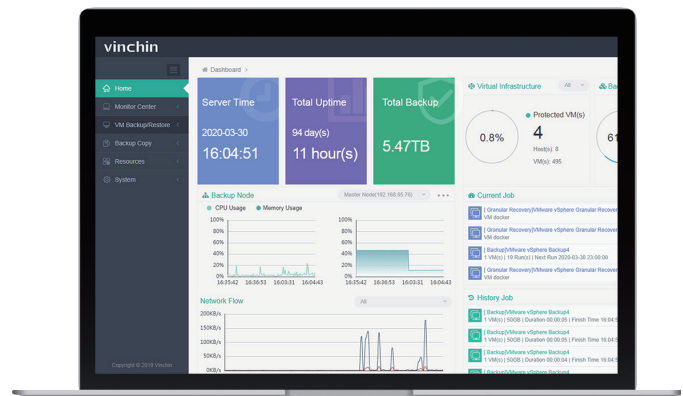
### Flexible Scalability Of Backup Node & Storage Type Apply To Various Of Data Centers

Modular design concept enables Vinchin Backup & Recovery to naturally support multiple backup node implementation. 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. With this excellent feature, Vinchin Backup & Recovery can be implemented in either large, medium or small data centers.

Basing on fully consider the complexity of the user environment, Vinchin Backup & Recovery supports multiple types of storage as backup repository to store the backup data. e.g. Partition, Local Disk, Logical Volume, NAS (NFS, CIFS) or SAN (Fiber Channel, iSCSI). Users can make efficient use of their existing storage environment without extending any new storage type.

Home page Dashboard displays  
job operation status & information

## Easy To Monitor



### Unified Management Via User-friendly Web Console Quickly Get Started In 5 Munites

- a Set time schedule for backup and restore job to let it keep running repeatedly
- b Add multiple users to manage and monitor the backup server
- c Set up a synchronized local time for the backup server
- d Backup copy to another local host in case any damage happens to the original host
- e Check out logs & alerts of the history operations either from the web console or email notification

## About Vinchin

Founded in 2015 with headquarter in Chengdu, Vinchin is an innovative VM backup solution provider concentrating on researching and developing a series of flexible, reliable and easy-to-use data protection solutions including VM backup, VM recovery and site disaster recovery across different hypervisors based virtual environment.

Our mission is to help customers to protect their OS, data and applications running on different IT infrastructures from being destroyed due to human error, viruses & attacks, hardware failure or any irresistible disaster. Our desire is to become the world's most professional and dedicated VM backup expert.

Today, Vinchin has achieved thousands of customers globally, our proudest product Vinchin Backup & Recovery has been implemented in more than 60 countries & regions including North America, Latin America, EU as well as Asian countries. Vinchin is looking for channel partner in everywhere, if you are interested to cooperate with us, join us now! We look forward to providing you the excellent supports & services!

## Vinchin Service & Support

To make sure the service inquires from users can be answered and solved in the first time, Vinchin provides direct service & support for both partners and users, including but not limited to:



Free installation & configuration for POC



1 year free factory service & support



Free technical & sales training



7\*24 hours response on service inquiries



More

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## Contact Us

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