VINCHIN
BACKUP & RECOVERY

Next-Generation Backup Software
Integrated, Secure, Resillient, Intelligent

vinchin

VINCHIN BACKUP & RECOVERY

Our Customers

50+ Industries

170+ Countries

30K+ Clients

6M+ Protected Workloads

Our Awards from Authoritative Media

Gartner
Peer Insights™

VINCHIN Recognized Higher Performer in Gartner® Peer Insights™ "Voice of the Customer" Report for Enterprise Backup and Recovery Solutions.

100% Willingness to Recommend

4.9/5 ★★★★★ Product Capabilities

4.9/5 ★★★★★ Deployment Experience

4.9/5 ★★★★★ Support Experience

Capterra SHORTLIST 2024 | Capterra BEST EASE OF USE 2024 | Capterra BEST VALUE 2024 | GetApp CATEGORY LEADERS 2024 | GetApp BEST FUNCTIONALITY & FEATURES | Software Advice BEST CUSTOMER SUPPORT 2024

Leader WINTER 2025 | High Performer SUMMER 2022 | High Performer Asia WINTER 2025 | High Performer EMEA WINTER 2025 | High Performer Asia Pacific SUMMER 2024 | Best Support Small Business WINTER 2025 | Best Support SUMMER 2024 | Easiest Admin Mid-Market WINTER 2025

Our Clients Span the Globe

SGCC

PetroChina — PetrolChina

CLOUD TECH SOLUTIONS — CLOUD TECH

EARTHLINK — Earthlink

UNIBANK — UNIBANK S.A

Universidade de Evora

Xcellerate — Xcellerate

GRUPO SYSTEMA ENTREGAMOS SOLUCIONES REALES — SYSTEMA

Grupo Scanner Security — Grupo Scanner Security

Elreef Elmasry

中国移动 China Mobile — China Mobile

CAMEL Engineered to care — CAMEL

NIE — The National Institute of Education

NCT — NCT

ROSAMONTE — ROSAMONTE

Vinchin Backup & Recovery

Innovative Enterprise Backup Expert

Vinchin Backup & Recovery is a professional disaster recovery solution designed for data center disaster recovery in private, public, and hybrid cloud environment. Built on four pillars, integrated, secure, resilient, and intelligent, Vinchin supports any kind of business systems with a one-stop, high-performance platform to secure your data and keep business back on track at any time.

All-in-One Backup

Vinchin provides reliable backup for mainstream virtual machines, cloud instances, container, databases, file servers, object storage, mails to let companies protect business systems from a unified web console.

Secure backup

By using WORM object storage and offline tape libraries to make backups immutable, backup data remains unchanged and is protected from tampering by malware. The built-in DR lab performs malware scan of backup data and enables recovery verification.

Business Resilience

With clean backups, you can perform various kinds of restores, including any-to-any restores. Vinchin also supports instant VM restore, granular VM- and OS-level restores, and automatic failover, ensuring coverage for diverse recovery scenarios.

Smart Management

Vinchin supports intelligent job orchestration, arranging backup, verification, replication, archiving, and migration tasks into automated workflows based on different scenarios to make disaster recovery management intelligent.

All-in-One Backup Solutions

| Virtualization | Server/PC/Workstations | Databases | File/NAS/Hadoop | S3 Object Storages | Public Cloud | App & Container |

Backup | Verification | Copy | Archive | Recovery | Migration

Vinchin Backup & Recovery

Data Encryption (transit & storage)

Ransomware Protection

| Local Disk | DAS | FC-SAN | IP-SAN | NAS | Object Storage | Cloud Storage | Tape Library |

Physical Server Backup

Real-Time High-Efficiency Server Protection

Vinchin Backup & Recovery provides comprehensive and efficient backups for Windows and Linux physical servers, unifying OS, applications, and files in a single backup. It supports full OS, disk, and volume backups, as well as relative recovery and bare-metal restore. Advanced disaster recovery features such as CDP and replication are also included.

Continuous Protection

Continuously backup physical servers to enable any-point-in-time recovery in the future.

DR Lab Failover

Use the built-in DR lab to test recoverability and fail over servers protected by continuous backup.

Real-time Replication

Replicate physical servers in real time to maintain a standby machine for failover.
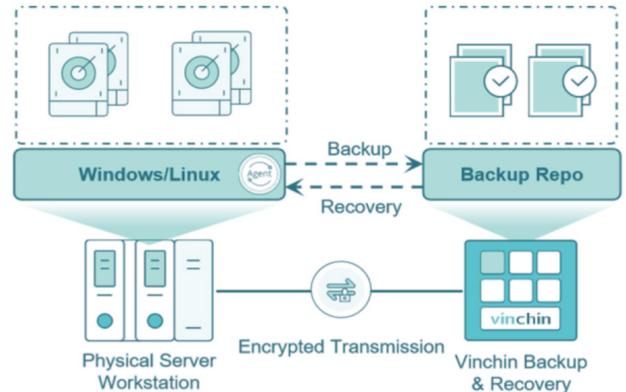
Batch Deployment

Quickly add massive endpoints to the backup system through bulk agent deployment.

Vinchin Physical Server Backup Solution

Vinchin Backup & Recovery simplifies physical servers protection via a lightweight agent and a web console. The various backup strategies can meet different DR needs.

● **Instant Recovery**: Quickly restore a full machine to run the applications in the OS.

● **Granular Recovery**: Restore individual files from backups for local download, remote transfer, or sharing.

● **Data Migration**: Quickly migrate data partitions to new physical server from existing backups.

● **Ransomware Protection**: Prevent backup from being altered using protected storage and WORM storage.

Virtual Machine Backup

Complete Coverage for Virtual Platforms

Vinchin Backup & Recovery supports backup of mainstream (18+) virtualization platforms and cloud platforms (pravite cloud/public cloud). As an enterprise-level solution, it combines high efficiency, reliability, and scalability with advanced features for data backup, recovery, migration, and ransomware protection.

Agentless Backup

Use the API to create image-based backups for every VM by simply adding their hosts.

Recovery Verification

Verify whether the VM restored from backups can boot successfully in the built-in DR lab.

Instant VM Recovery

Boot critical virtual machines directly from backup images to reduce downtime
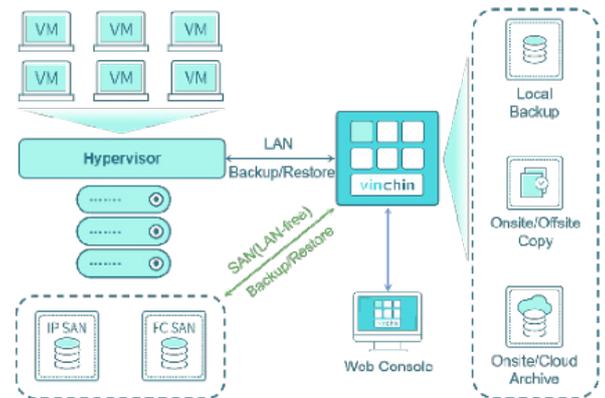
Flexible V2V and P2V

Support V2V across 18+ platforms and convert 10+ operating systems from physical to virtual

Vinchin Virtual Machine Protect Solution

Vinchin provides comprehensive data protection solutions for your virtual environments, offering high-speed backups, flexible restores, onsite and offsite copies, and long-term archiving.

- Deploy rapidly with no complex configuration required.
- Scale effortlessly to support rapid business growth.
- Experience top performance with at a low cost.
- Ensure data storage meets regulatory requirements easily.
- Achieve low RPO and RTO for minimal downtime.

File/NAS/S3/Hadoop Backup

Rapid File Backup Across Environments

Vinchin Backup & Restore delivers an all-in-one solution for backing up and restoring massive unstructured data across different types of file storage. It protects data in diverse environments and for business of any size. With the proprietary file backup technology that transfers files while scanning and efficiently merges mall files, backup speed are significantly boosted.

PB-level Backup

Manage billions of files with granular control over individual files/folders, efficiently handling petabyte-scale data.

Agent or Direct Backup

Install an agent on a server for file backup or directly connect NAS/S3 object storage with its credentials.

Diverse File Types

Support various file types including CAD, PACS, BIM, GIS, Word documents, media files, text files, etc.
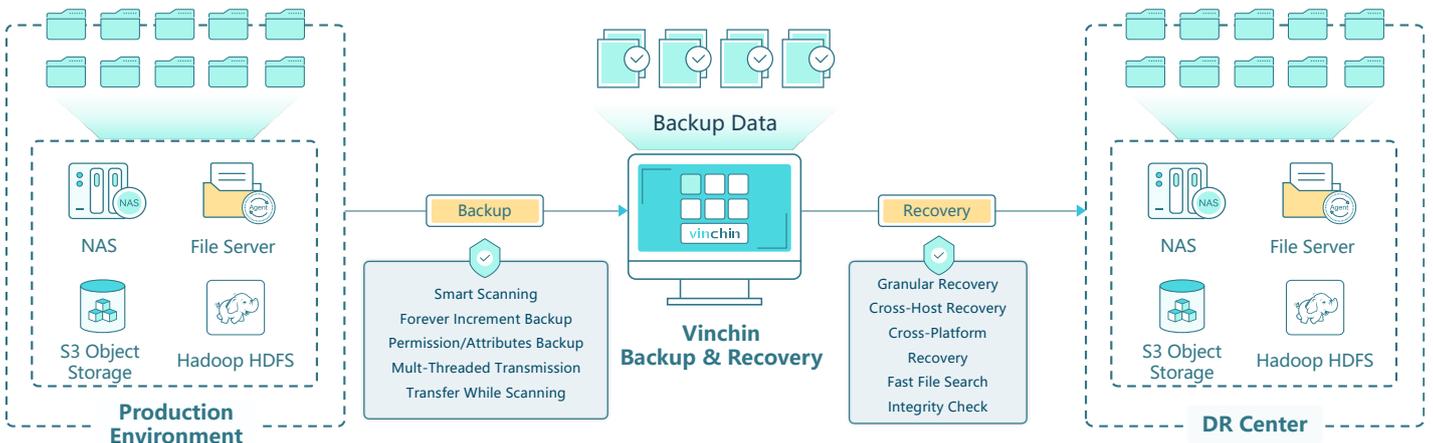
Cross-Platform Recovery

Restore file backups to different types of storage to maximize existing resources and simplify migration to new devices.

Vinchin File/NAS/S3/Hadoop Backup Solution

Vinchin Backup & Recovery provides a centralized management console to connect all the file storage including local Windows/Linux file servers, NAS shares, object storage, and Hadoop HDFS. In addition to efficient backup capabilities, it supports restoring file backup to original path or new destination.

Database Backup

Reliable Verified Database Management

Vinchin Backup & Recovery delivers powerful functionality to protect your databases on both virtual machines and physical servers. Its various backup strategies allows you to protect data according to your backup plan and automated verification ensures that backup data is secure and recoverable.

Various Backup Methods

Offer scheduled, incremental, log, archived log, custome policy group backups, etc., for flexible data protection.

Reduced Impact

Direct transfer backup data to backup storage without cache on the production server to mitigate the impact on it.

Advanced Compression

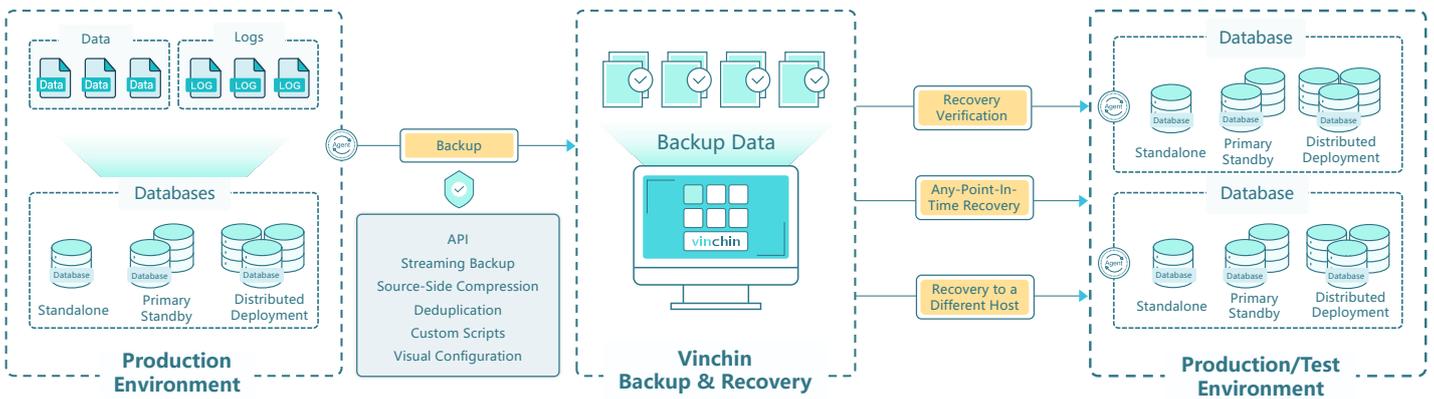Reduce backup data size with dedicated source-side compression technology for SQL Server and Oracle.

Verification Report

Automatically restore data to a test environment and generate detailed recovery reports to verify data recoverability.

Vinchin Database Backup Solution

Vinchin supports most mainstream databases and transfers backup data via agents. Backup data is transmitted securely through encryption, and critical backups are ensured for recovery through offsite replication, cloud archiving, and tape archiving.
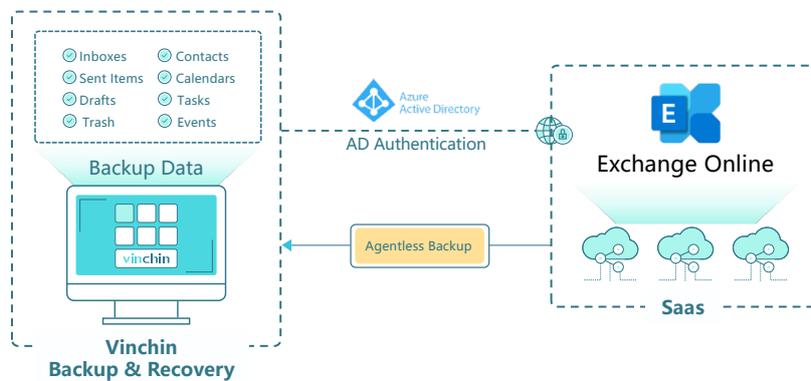
Microsoft Exchange Backup

Accurate Exchange Data Control

Vinchin delivers robust data protection for Microsoft Exchange Online. By ensuring that all critical communications and emails are securely and efficiently backed up, it empowers businesses to achieve swift and granular recovery when needed, helping maintain seamless communication continuity, safeguarding your business operations against data loss.

Vinchin Exchange Backup Solution

Vinchin Backup & Recovery makes it easy to add cloud-based mail servers to backup system, safeguarding all critical information including inboxes, sent items, drafts, trash, contacts, calendars, tasks, and events, so your business never loses a message and stays fully protected.
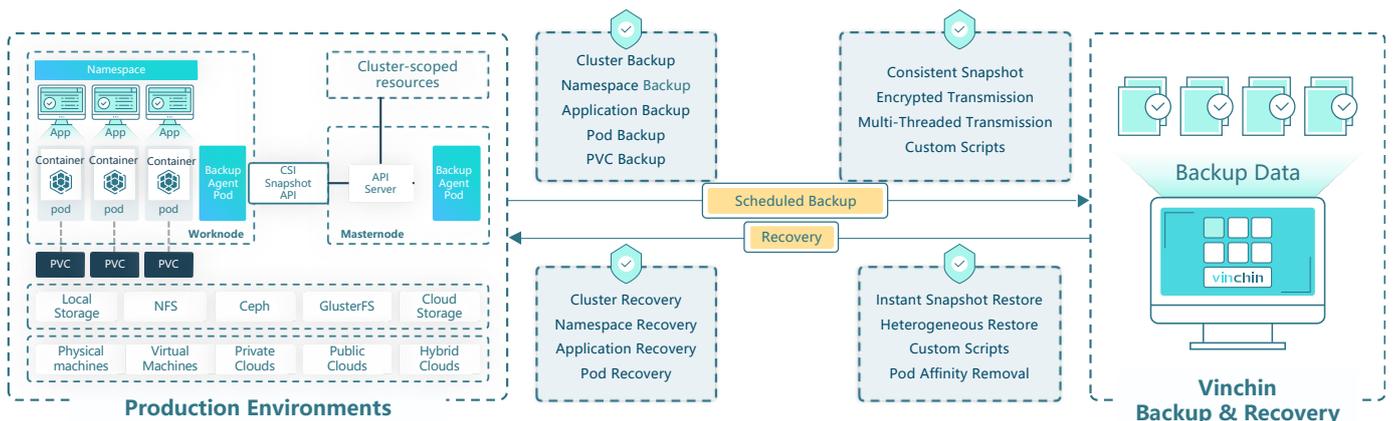

Kubernetes Backup

Vinchin provides robust and granular data protection for containerized applications running on Kubernetes. You can easily add the workloads to the backup system and Vinchin will ensure automatic, application consistent backups and reliable recovery, empowering your business to maintain seamless innovation velocity and robust business continuity.
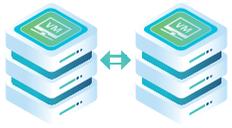
Vinchin Kubernetes Backup Solution

Vinchin leverages the native Kubernetes CSI interface to capture PVC snapshots to ensure application consistency with minimal impact. Additionally, custom hooks automatically quiesce applications and flush caches, guaranteeing consistent and reliable backups.

Any-to-Any Migration

Vinchin supports workloads migration across mainstream virtualization platforms, private/public cloud, and full physical servers. Simply create restore jobs and the backup system automatically converts it into a format compatible with the target platform to directly migrate them to target platforms.

Migrate Virtual Machines

Building on agentless VM backup, Vinchin supports restoring virtual machines to other virtualization platforms and public clouds (V2V and V2C). For IT environments with hybrid virtualization architectures, users can easily backup and restore VMs across multiple platforms.

Migrate Cloud Instances

Vinchin makes it simple to convert cloud instances between different public cloud platforms or into on-premises virtual machines, giving organizations the confidence of enhanced data security, improved compliance, and complete ownership of their workloads. (C2C, C2V).
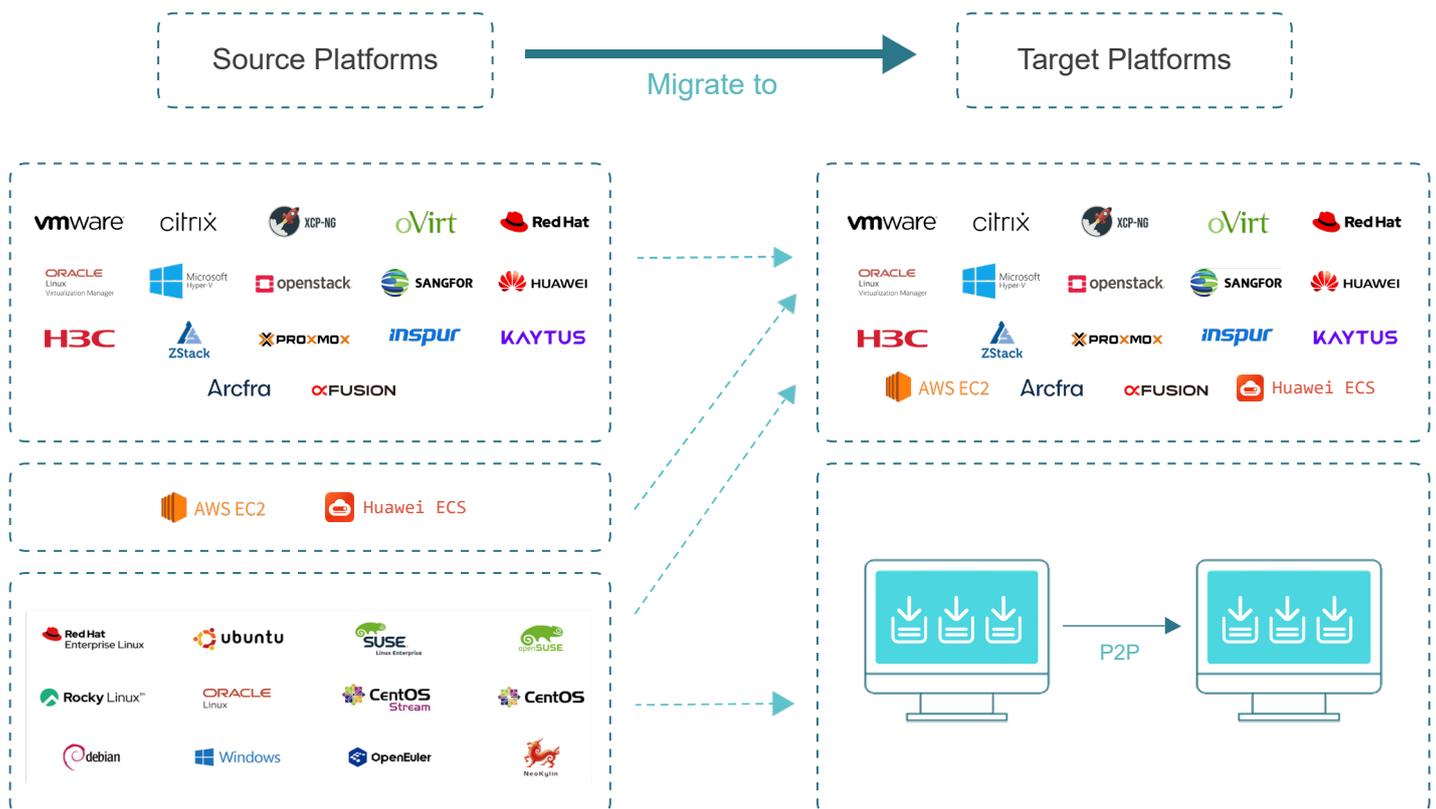
Migrate Physical Servers

Vinchin allows you to directly restore entire machine backups onto the bare device (P2P) and if physical servers are too heavy to maintain, Vinchin also supports converting physical machine images into virtual machines or cloud instances that can be booted up immediately. (P2V, P2C).

Supported Migration Scenarios

Vinchin enables seamless migration of workloads across diverse environments. Enterprises can move operating systems, applications, and data directly to new environment with the least impact on the production system. It is suitable for diverse scenarios like datacenter upgrades, hardware refreshes, and hybrid cloud deployment.

Source Platforms → Migrate to → Target Platforms

Source Platforms

vmware | citrix | XCP-NG | oVirt | Red Hat
ORACLE Linux Virtualization Manager | Microsoft Hyper-V | openstack | SANGFOR | HUAWEI
H3C | ZStack | PROXMOX | inspur | KAYTUS
Arcfra | xFUSION

AWS EC2 | Huawei ECS

Red Hat Enterprise Linux | ubuntu | SUSE Linux Enterprise | openSUSE
Rocky Linux | ORACLE Linux | CentOS Stream | CentOS
debian | Windows | OpenEuler | NeoKylin

Target Platforms

vmware | citrix | XCP-NG | oVirt | Red Hat
ORACLE Linux Virtualization Manager | Microsoft Hyper-V | openstack | SANGFOR | HUAWEI
H3C | ZStack | PROXMOX | inspur | KAYTUS
AWS EC2 | Arcfra | xFUSION | Huawei ECS

P2P

Recovery Verification

Traditional backup solutions only create a copy of your data but they can't guarantee it can be recovered when disaster strikes. Vinchin provides features with multi-layered automated verification mechanisms to validate the integrity and usability of backup.

Integrity Verification

When performing integrity verification, Vinchin can verify the health of your backup points by checking portions of the source data against the existing backup. This ensures any silent corruption, transmission errors, or unauthorized modifications are detected early, keeping your backup chain reliable and your recovery points trustworthy.

OS/VM Recovery Verification

In the isolated built-in DR lab, Vinchin can simulate real recovery scenarios by booting the virtual or physical machine. If the machine is successfully booted, you will get a screenshot of the operating system startup screen. Without impacting your production environment, this feature performs the most realistic disaster recovery drill.
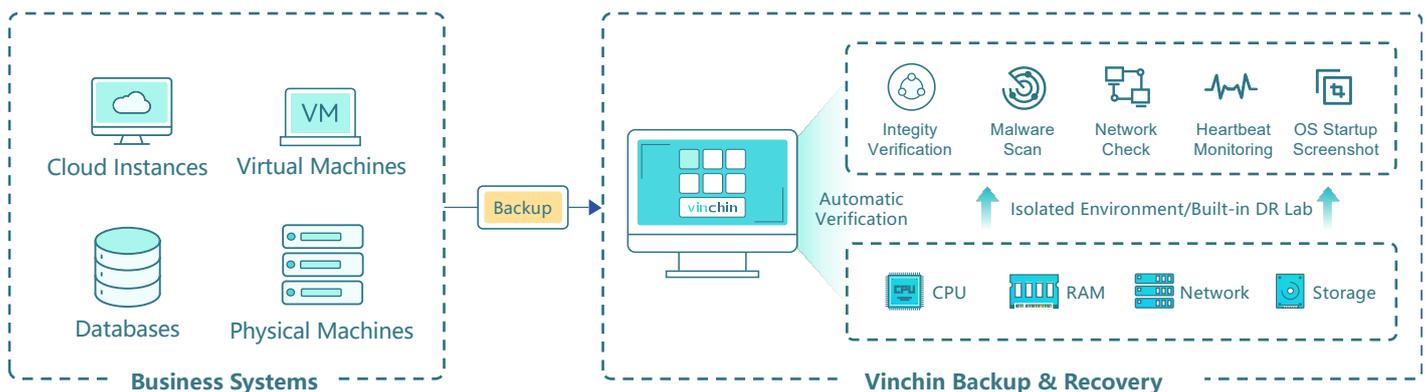
Database Recovery Verification

For databases, Vinchin uses automated SQL scripts to verify the recoverability of backups right after they're created. A detailed verification report is automatically generated, confirming whether the restore point is reliable and usable so you'll always know your critical data can be restored accurately and completely.

How long does it take to verify data backup with Vinchin?

No matter you would like to verify the backup of virtual machines, physical machines or databases, you just need to take a few minutes to configure the backup and verification jobs through the intuitive web console. Once set up, the system handles the rest, and you will receive clear verification reports to confirm backup availability and integrity.

Business Systems
- Cloud Instances
- Virtual Machines
- Databases
- Physical Machines

Backup →

Vinchin Backup & Recovery
Automatic Verification

Isolated Environment/Built-in DR Lab
- Integity Verification
- Malware Scan
- Network Check
- Heartbeat Monitoring
- OS Startup Screenshot

- CPU
- RAM
- Network
- Storage

Boost Verification Efficiency by 90%

Automated Verification Workflow

Minute-Level Verification Speed

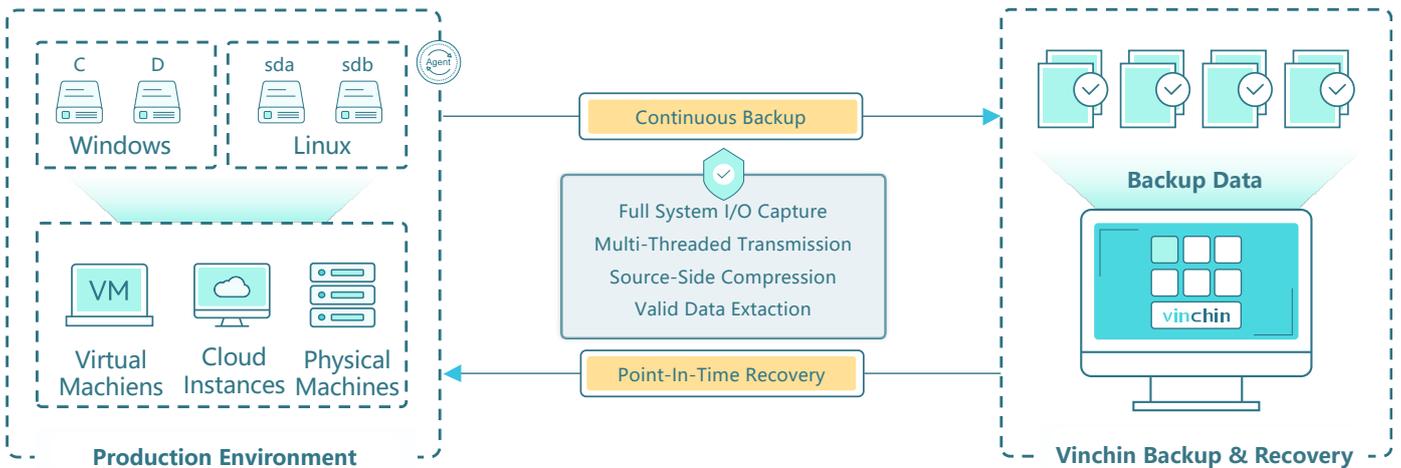**Built-in Sandboxed Environment**

One-Click to Add All Workloads

Continuous Protection and HA

For the companies which have high requirements for RTO/RPO, Vinchin provides features like Server CDP and Server Replication. With continuous data protection and real-time replication, your critical workloads will be better protected.
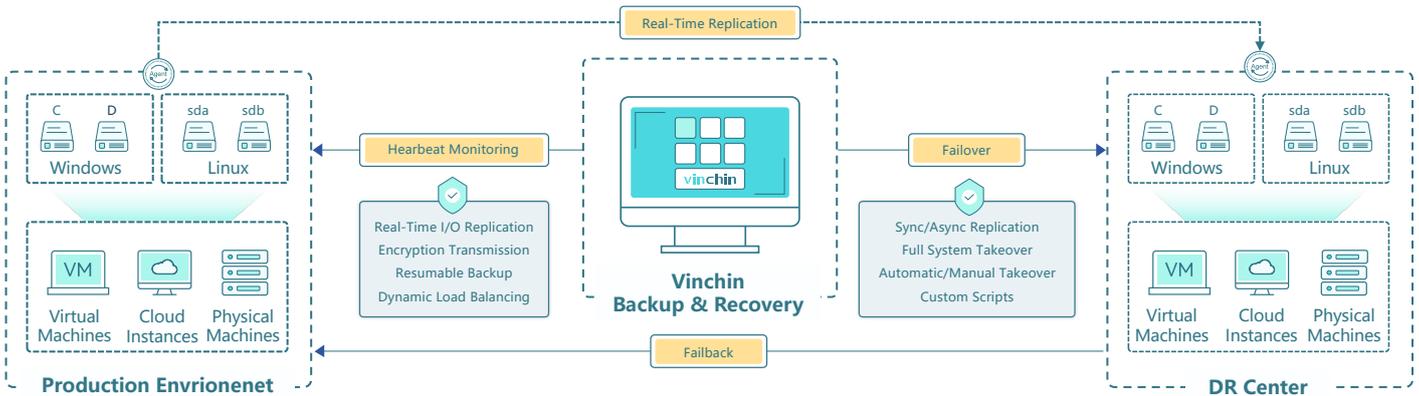
Server CDP

Server CDP continuously saves machine data to backup repository and allows you to perform any-point-in-time recovery later. You can also set up scripts in the job and monitor the machine to automatically take over it in the built-in DR lab once it gets down for some reason.

Production Environment
- Windows: C, D
- Linux: sda, sdb
- Virtual Machiens
- Cloud Instances
- Physical Machines

Agent → Continuous Backup → Backup Data

Full System I/O Capture
Multi-Threaded Transmission
Source-Side Compression
Valid Data Extaction

Point-In-Time Recovery

Vinchin Backup & Recovery

Server Replication

Server replication continuous replicates data to a standby machine. It also supports scripts configuration and machine status monitoring for automatic failover and later manual failback.

Real-Time Replication

Production Envrionenet
- Windows: C, D
- Linux: sda, sdb
- Virtual Machines
- Cloud Instances
- Physical Machines

Hearbeat Monitoring

Real-Time I/O Replication
Encryption Transmission
Resumable Backup
Dynamic Load Balancing

Vinchin Backup & Recovery

Failover

Sync/Async Replication
Full System Takeover
Automatic/Manual Takeover
Custom Scripts

DR Center
- Windows: C, D
- Linux: sda, sdb
- Virtual Machines
- Cloud Instances
- Physical Machines

Failback

Windows
Red Hat Enterprise Linux
CentOS
CentOS Stream
ORACLE Linux Virtualization Manager
Rocky Linux™
NeoKylin

vinchin

| Contact Us

Head Office

F3-5, Block 8, National Information Security
Industry Park, No.333 YunHua Road,
High-Tech Zone, Chengdu, China.
P.C.610015

Sales

Tel: +86-135-5029-3426
Email: sales@vinchin.com

Support

Tel: +86-199-3803-4070
Email: customer.service@vinchin.com

Follow us on LinkedIn   Get Vinchin Software