

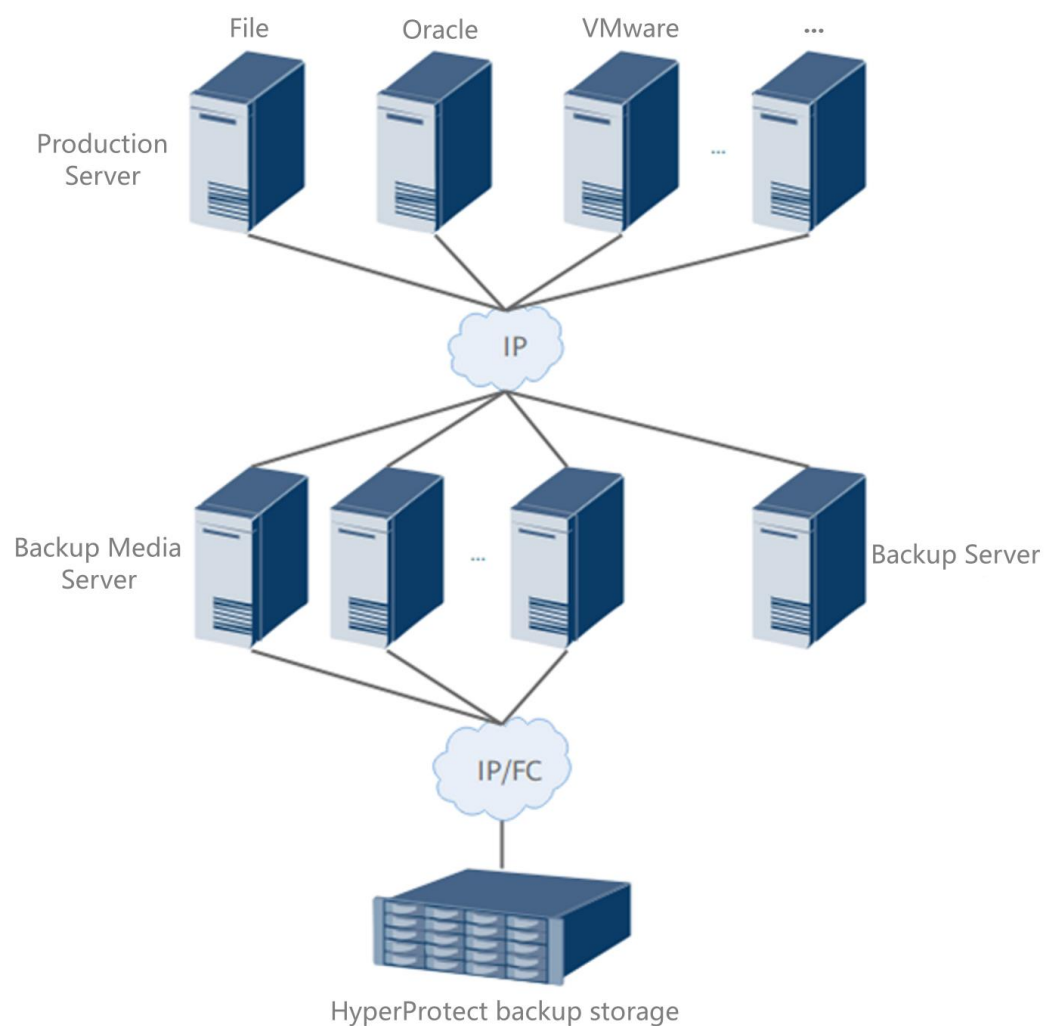


Vinchin HyperProtect Overview

Date: 2024-05-01

1 Product Overview

Vinchin HyperProtect backup storage is a dedicated storage device developed for backup scenarios. With end-to-end acceleration and high reliability architecture design, Vinchin HyperProtect features fast backup and recovery, low usage, and enhanced security. It helps users efficiently backup and restore data, coupled with an easy-to-use management approach, which greatly reduces user management and maintenance costs, and significantly saves TCO for customers. This product is widely applicable to government, finance, operators, electricity, and healthcare industries.



2 Product Highlight

- Enhancing Data Usage Efficiency

Offers industry-leading data reduction, performance, and reliability that help users achieve efficient backup and recovery of critical data and accelerate the utilization of valuable data.

- Excellent Ecosystem Application

Widely compatible with multiple databases, virtualization, massive small files, big data, and data warehousing applications.

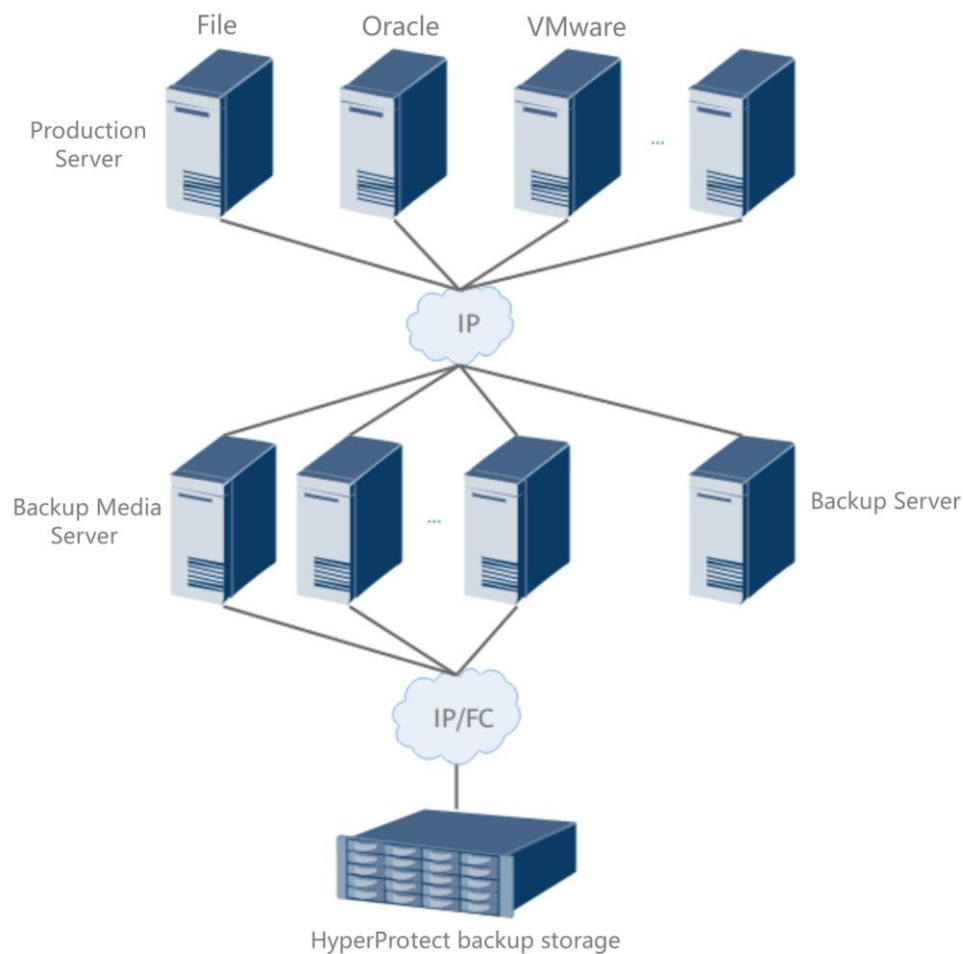
- Saving Data Protection Investments

Provides an easy-to-use management approach and convenient and fast local/remote maintenance methods that significantly reduce management and maintenance costs, and significantly save TCO.

3 Deployment Mode

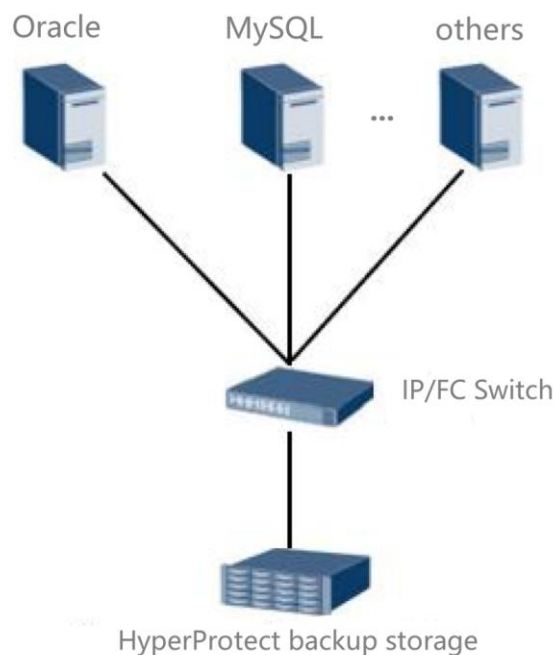
Centralized Backup Mode

For industry-standard backup software, HyperProtect backup storage can be used as the backup medium in centralized backup solutions to provide efficient backup storage space for users. HyperProtect backup storage supports mainstream backup software, the diagram of centralized backup mode is shown below:



Application Backup Mode

For mainstream databases such as Oracle and MySQL, data can be backed up to HyperProtect backup storage using the built-in backup tools of the databases. The diagram of application backup mode is shown below:



4 Product Unique Tech Advantages

Fast backup and recovery

- End-to-end acceleration based on the characteristics of backup business, aggregation of multiple sequential data streams for reading and writing, significantly improving bandwidth performance.
- Efficient Deduplication at the source, reducing the amount of transmitted data and shortening backup time.
- Provide high IOPS performance, in conjunction with mainstream backup software, instantly access data in backup images, and quickly utilize backup data.

Save on Usage

- Using leading algorithms to achieve over 70:1 data reduction, significantly improving logical capacity and saving user investment.
- Source deduplication tech for faster backup.
- Replication link-based deduplication helps reduce network bandwidth cost.

More Secure

- E2E encryption prevents sensitive data leakage.
- Industry-leading storage anti-ransomware solution, fully ensuring the security and reliability of backup data.
- Active-Active redundant hardware architecture design, single controller failure switching within seconds without interruption to backup tasks. The entire system can provide a reliability of up to 99.9999%.