HyperMotion

Customer Case Study

Ping An Financial Cloud Integrates HyperMotion to Serve Financial Industry Customers

How a leading financial cloud provider built cloud migration into its own service catalogue — and moved 71 systems, 164 hosts and 71.3TB for a major financial customer without an outage.

71 systems | 164 hosts | 71.3TB migrated | 7×24 availability

THE CHALLENGE

Strict financial data security, core systems spread across headquarters and subsidiaries, and no acceptable downtime.

THE SOLUTION

HyperMotion agentless live migration with block-level differential replication, delivered through a three-step wizard.

THE RESULT

A richer Ping An Financial Cloud platform, and a migration completed with far less labour across departments.

INDUSTRY	SCENARIO	PRODUCT	TARGET
Finance	VMware & KVM to Cloud	HyperMotion	Financial Cloud

Ping An Financial Cloud × OnePro HyperMotion

VMWARE & KVM → FINANCIAL CLOUD · 71 SYSTEMS · 71.3TB

OnePro

Project Overview

Cloud migration as a service inside a financial cloud platform

The financial sector leads cloud adoption in China. According to the China Academy of Information and Communications Technology's report on cloud computing technology in the financial industry (2018), 40% of financial institutions had begun using cloud computing technology, and the majority of institutions had already planned for cloud adoption.

Ping An Financial Cloud exports financial cloud services to the banking, insurance and investment sectors, supporting their digital transformation initiatives. When a major financial customer needed to migrate multiple systems from VMware and KVM platforms to the cloud in alignment with the national “14th Five-Year Plan” strategy, Ping An Financial Cloud partnered with OnePro Cloud and integrated HyperMotion into its own migration solution.

Customer Challenges

Security, scale and a service that could not stop

01

High data security protection requirements

Financial data demands strict confidentiality and integrity protection. All data had to be migrated while integrating the existing security measures and raising compliance standards along the way.

02

Multiple branches, complex systems, difficult planning

The project covered core systems across headquarters and subsidiaries — more than 70 sets of integrated financial management platforms, integrated business asset management platforms and trust marketing service platforms — and coordinating that many subsidiaries complicated the schedule.

03

No business outage permitted

The systems required 7×24 service availability, so the migration had to run with near-zero downtime while business continuity was maintained throughout.

Solution

Agentless, live, and simple enough for the operations team

HyperMotion was integrated into Ping An Financial Cloud's migration solution, so the platform could offer migration to its own financial industry customers as a standard service.

01

Agentless model for data security

Systems on the VMware platform were migrated without installing any agent. Removing intrusive operations on the source machines kept the production environment untouched and reduced the security risk that a financial estate cannot accept.

02

Live machine migration with block-level differential replication

HyperMotion restored whole systems in the cloud without reinstallation, using block-level differential replication so that only changed blocks were transferred. The impact on the running business was kept to a minimum throughout the synchronization.

03

Three-step implementation

The minimalist wizard design let the operations team master the tool quickly, reducing operational complexity across a programme that spanned headquarters and a large number of subsidiaries.

The result: a migration capability the cloud platform owns and can repeat for the next customer, rather than a one-off project.

Customer Values

A stronger platform, at a lower cost

71
Sets of systems migrated

164
Hosts moved to the cloud

71.3TB
Of data transferred

01 **Enhanced platform capabilities**

Integrating HyperMotion enriched the Ping An Financial Cloud platform, lowering both the difficulty and the cost of migration and accelerating customer deployment onto the cloud.

02 **Reduced implementation costs**

A high degree of automation carried 71 sets of systems, 164 hosts and 71.3TB of data to the cloud while significantly reducing the labour expense spread across multiple departments.

With migration built into the platform, Ping An Financial Cloud can now bring banking, insurance and investment customers onto the cloud faster — and with less of their own operations effort.