

*Customer Case Study*

# HyperMotion Powers a Cross-Region, Massive Data Migration for Jiangsu Rural Credit Bank

How JPRCCU moved 1,285 systems and 1,156TB of data across 56 rural commercial bank branches onto its dedicated financial cloud — without interrupting banking services.

56 branches

1,285 systems

1,156TB migrated

No business outage

## THE CHALLENGE

A complex legacy estate spread across the province, tens of TB per organization, and public links measuring only 500k–1M/s.

## THE SOLUTION

HyperMotion block-level hot migration with cloud-native API automation, paired with MotionGear auxiliary storage for the weak links.

## THE RESULT

All 56 branches onto one industry cloud platform in a short window, and a Category II award from the CBRC.

### INDUSTRY

Finance

### SCENARIO

On-Prem to Cloud

### PRODUCT

HyperMotion + MotionGear

### TARGET

Financial Cloud

**Jiangsu Rural Credit × OnePro HyperMotion**

ON-PREM → DEDICATED FINANCIAL CLOUD · 1,285 SYSTEMS · 1,156TB

OnePro

# Building an industry cloud platform for 56 rural commercial banks

Internet technology has carried the economy into the era of the “platform economy”. China’s guiding opinions on banking information technology called on institutions to plan cloud computing architecture, carry out architectural transformation, formulate cloud computing standards and establish an industry cloud platform.

For a provincial union, that raised two decisive questions: how to build a “finance platform” with online and offline interaction as the traction for transformation, and how to make comprehensive use of big data as the support beneath it.

Jiangsu Province Rural Credit Co-operative Union (JPRCCU) is a rural financial institution in one of China’s most developed regions. Its business development and system construction had historically been unbalanced, spread across a large number of specialized business systems. To free the banks under its jurisdiction from heavy system maintenance and let them concentrate on specialized business and personalized services, JPRCCU put forward the concept of “**Service is Management**” — connecting the union with its member banks and reshaping their value through an industry cloud platform.

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## Why OnePro Cloud

### Three steps instead of a manual programme

After studying several cloud migration solutions, JPRCCU selected OnePro Cloud HyperMotion as the core tool for the migration, combined with a migration plan recommended by OnePro’s professional team and delivered on site. Through highly automated integration with cloud-native APIs and resources, HyperMotion reduces a complex migration process to three simple steps.

- Business continuity throughout the migration
- Batch, efficient and fully visual migration
- Cloud-native API intelligent automation and driver adaptation
- Repeated real-time rehearsals in the cloud before cutover, guaranteeing service availability

# Seven constraints the migration had to work around

01

## High operating cost across the branch systems

With no unified resource scheduling platform, policies could not be applied flexibly and resource utilization stayed low — and as business expanded, the architecture no longer met demand.

03

## Heavy operations and maintenance pressure

Prefectural banks have few people dedicated to R&D and maintenance, yet manage the whole IT estate: base environment, server room equipment and peripherals, self-built applications.

05

## A complex legacy estate

Physical and virtual machines, multiple OS versions, permissions and external devices. A single system exceeds 3TB and one organization averages 20–50TB, with dependencies running from the provincial centre down to the counter.

07

## Secure, stable migration with smooth delivery

Migration had to be secure and stable, with full validation and a risk response mechanism. After cutover it was not enough to boot the systems — the business and its associated business had to run normally.

02

## The need to unify cloud strategy

The rural commercial banks wanted a single cloud strategy to cut complexity and workload, and preferred the union's shared platform over public or industry clouds to avoid data security risk.

04

## Strict business continuity requirements

Customers expect banking services to be always available, and only a short window at night is acceptable — so the systems had to reach the cloud without breaking that promise.

06

## Remote locations with poor networks

Units are spread across the province on public links rated 10M that measure only 500k–1M/s in practice — conditions in which ordinary data transmission can hardly complete.

# Hot migration, professional storage and on-site delivery

Together with OnePro's professional team, JPRCCU built a dedicated cloud migration solution around HyperMotion — designed for an estate that could neither go offline nor rely on its network links.

## 01 Cross-platform automated migration without downtime

Re-Host is the shortest and most efficient route to the cloud, and the one with the least impact on the original systems. HyperMotion uses block-level synchronous replication to achieve hot migration: the operating system, application and data are replicated to the target platform as a whole. Web applications, databases and middleware all migrate without separate operations or file-level configuration, with cross-architecture intelligent adaptation and no business outage.

## 02 MotionGear — professional auxiliary storage

MotionGear is an all-in-one storage device built by OnePro Cloud to move terabyte-scale data under poor network conditions. With scattered branches and a huge data volume, high-capacity, high-speed peripheral storage was essential to sustain block-level replication without interrupting the business. It works alongside HyperMotion, and can also be used on its own for offline migration.

## 03 Intelligent API adaptation and automated migration

Deep integration with cloud-native APIs resolves a range of complex manual operations — host boot-up, driver and network repair and more — in a fully automated way. Automated adaptation to the target platform raises migration efficiency, enables repeated validation before cutover, and protects service availability after the move.

## 04 Professional team, on-site research and implementation

OnePro's team carried out the research alongside the customer's core technical team and provided both the migration methodology and on-site implementation support.

## One platform for 56 banks

56

Rural commercial  
bank branches

1,285

Systems migrated

1,156<sub>TB</sub>

Of data moved

### 01 A large volume of data migrated in a short window

The programme covered 56 rural commercial bank branches, 1,285 systems and 1,156TB of data, and was completed within a short migration window.

### 02 Recognized as an innovation success by the regulator

The project received the Category II Achievement Award of the 2018 banking information technology risk management research, issued by the CBRC.

JPRCCU's member banks are now free from heavy system maintenance and can concentrate on specialized business and personalized service development — on a shared foundation that gives all 56 branches cloud resources on demand.

### Planning a migration of your own?

Talk to OnePro about migrating your workloads with HyperMotion.  
[oneprocloud.com](https://oneprocloud.com) · [enquiry@oneprocloud.com](mailto:enquiry@oneprocloud.com)

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Free Trial

