

# Secure and scalable infrastructure for PTC India Financial Services



## Client profile

PTC India Financial Services Limited is a leading Indian infrastructure finance company. PFS specializes in providing tailored financing solutions across the energy value chain, with a strong focus on renewable energy and structured finance. Headquartered in New Delhi, PFS is committed to supporting infrastructure development and fostering growth in the energy sector by offering fund-based and nonfund-based financial assistance.

PTC India Financial Services Limited (PFS) partnered with NTT DATA to modernize their IT infrastructure, migrating to advanced servers, storage and monitoring systems to boost performance, security and efficiency. This upgrade increased processing speeds, reduced unplanned downtime to near-zero and strengthened their security posture to fully align with the Reserve Bank of India's stringent requirements. The new scalable infrastructure lowers operating costs and serves as the foundation for business continuity and long-term growth.

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With the comprehensive tech upgrade, we have reached a level of performance and reliability that we aspired for.

This upgrade underpins our confidence to give wings to organizational strategic initiatives and to roll out mission-critical loads in real-time.

Having NTT DATA as our tech partner was an assurance to realization of our aspirations.”

**Ashish Nigam**, Vice President Information Technology,  
PTC India Financial Services Limited

## Business need

### Laying a more resilient, secure technology foundation

PFS wanted to modernize their IT infrastructure. Their main goal was to build a more resilient, efficient and secure technology infrastructure capable of handling modern workloads, eliminating bottlenecks and boosting productivity. Effectively managing and maintaining their infrastructure would reduce service disruptions and ensure consistent operations.

Another critical driver for the project was strengthening security measures to protect the organization from cyberthreats. As an entity regulated by the Reserve Bank of India, the upgrade was essential for meeting stringent compliance and audit mandates, reinforcing trust and accountability.

## Solution

### Executing a seamless migration

PFS teamed up with NTT DATA to carry out a full IT infrastructure update. The project involved:

- **Migration in a brownfield environment**  
Executing a seamless transition from legacy systems to modern infrastructure, ensuring minimal disruption to ongoing operations
- **Upgraded IT landscape**  
Deployment of advanced servers, storage solutions and backup systems to enhance performance and reliability
- **Migration and compatibility checks**  
Ensuring smooth transition and continuity of financial applications with improved performance
- **Enhanced monitoring and visibility**  
Implementation of advanced monitoring tools, including dynamic pilot view and storage dashboards, providing real-time visibility into system utilization, logs and alerts
- **AI-enabled infrastructure**  
Adoption of AI-enabled modular and scalable solutions capable of supporting cloud-native, virtualization and hybrid IT models

## Outcomes

### Infrastructure that's scalable and ready for the future

The IT infrastructure refresh laid the groundwork for long-term stability, scalability and enhanced operational efficiency. The strategic collaboration with NTT DATA ensured a smooth and efficient transition, setting the stage for uninterrupted business continuity and future growth.

### Enhanced performance and efficiency

The deployment of modern servers and storage solutions led to a significant increase in processing speed and application responsiveness, reducing transaction processing time.

### Improved business continuity

With full original equipment manufacturer (OEM) support and proactive monitoring tools like pilot server dashboards, PFS now operates with near-zero unplanned downtime, ensuring uninterrupted service delivery.

### Strengthened security posture

By eliminating unsupported systems and implementing updated security protocols, PFS significantly reduced its exposure to cyberthreats and aligned fully with the Reserve Bank of India's regulatory standards.

### Cost optimization and sustainability

The new infrastructure reduces power consumption, minimizes break/fix incidents, and simplifies management — leading to lower maintenance and operating costs as well as a smaller environmental footprint through improved energy efficiency.

### Future-ready scalability

The modular architecture supports cloud-native and hybrid IT models, enabling PFS to scale operations seamlessly as business needs evolve.

### Regulatory compliance

The upgraded systems aligned with the Reserve Bank of India's compliance and audit requirements, mitigating risks and ensuring adherence to regulatory standards.

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