

# SpeedCloud Supreme: The smarter way to prepare for AI adoption

## Take the risk and complexity out of private cloud modernisation

Organisations are under pressure to modernise ageing infrastructure while navigating rising costs, increasing complexity, and growing demands for AI readiness.

Yet many are locked into existing virtualisation environments with vendors that no longer meet their performance or scalability needs. At the same time, compliance requirements, especially in regulated sectors like finance and government, are becoming more stringent, adding further strain to IT teams.

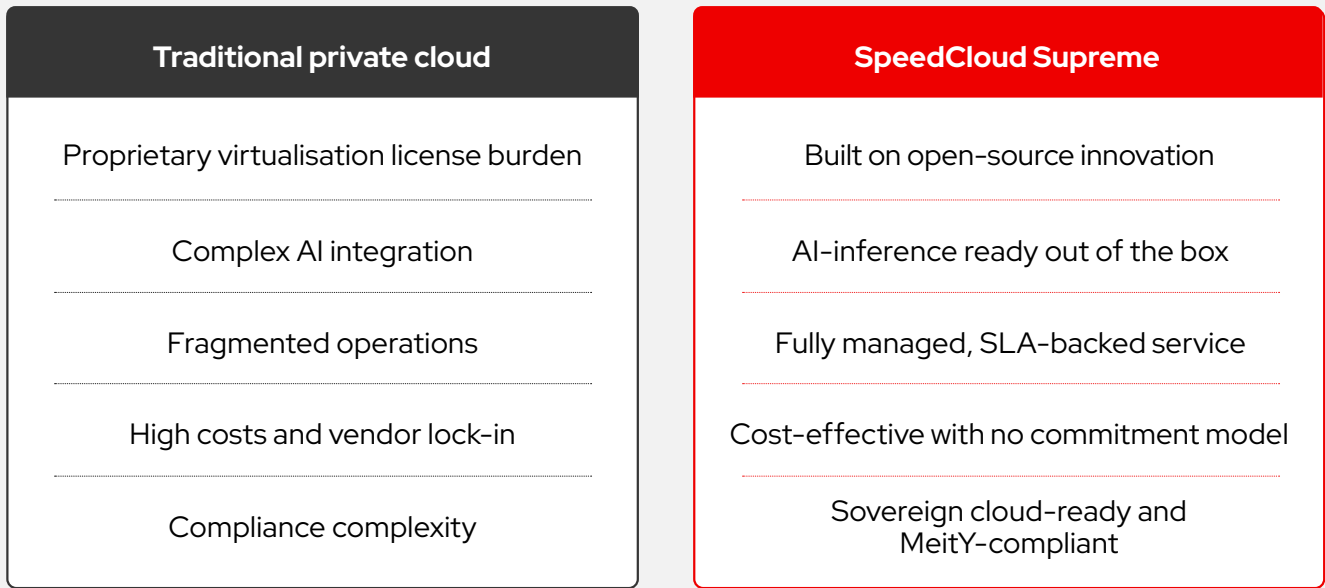


## Discover a smarter, easier way to modernise and scale

SpeedCloud Supreme is a full-stack private cloud platform built on Red Hat technologies. It enables seamless migration from existing virtualisation vendors, supports containerised AI workloads and delivers enterprise-grade performance with reduced total cost of ownership.

- **Accelerates AI adoption:** Supports AI workloads like fraud detection, image analytics, and recommendation engines without needing GPUs, making it ideal for organisations starting their AI journey.
- **Simplifies operations:** Delivered as a fully managed private cloud, with integrated security, automated backup, and disaster recovery built in.
- **Strengthens compliance:** Trusted by finance, government, and regulated sectors, and hosted in environments that meet Reserve Bank of India, Securities and Exchange Board of India, and Ministry of Electronics and Information Technology mandates.
- **Ensures performance and reliability:** Delivers up to 1.6x faster compute, 33% better memory throughput, and 10x network speed compared to legacy setups.
- **Scales efficiently and cost-effectively:** Compact infrastructure design saves up to 86% in data centre space and power, reducing operational costs.

## Better together: How RHEL 10 + Veeam simplifies hybrid workload management



### Key features

- AI-ready infrastructure:** Supports containerised AI workloads natively, enabling enterprises to run models for fraud detection, image analytics, and recommendations without needing to overhaul existing systems or invest in GPUs.
- Compact powerhouse:** Designed for efficiency, SpeedCloud Supreme delivers up to 86% savings in data centre space and power, ideal for organisations looking to reduce their physical footprint and energy costs.
- Integrated security:** Comes with built-in encryption, vulnerability scanning, and compliance-aligned controls. Security is embedded across the stack to support regulated industries and protect sensitive workloads.
- Flexible hosting:** Available as an on-premises deployment or hosted in MeitY-compliant data centres, giving organisations the flexibility to meet data sovereignty and regulatory requirements.

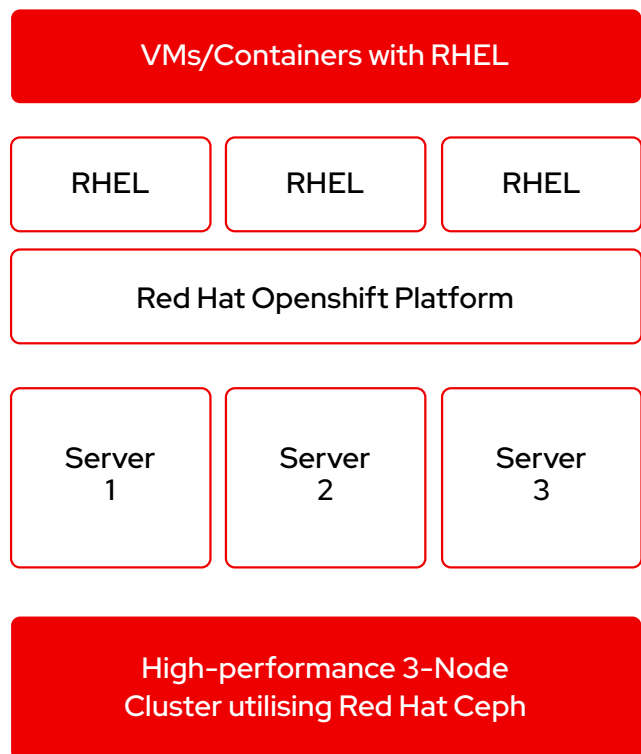
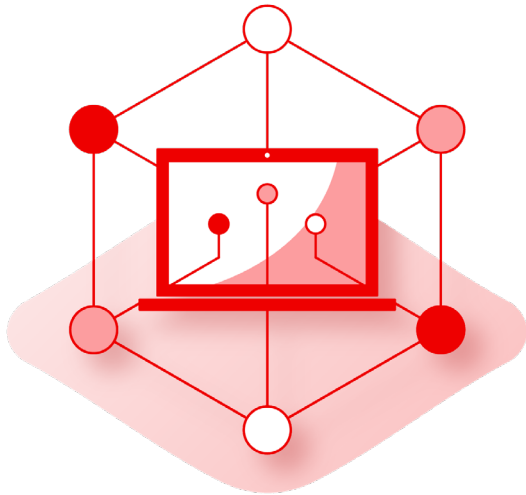


Figure 1: SpeedCloud Supreme architecture



## Technology Used

- Red Hat OpenShift Platform Plus
- Red Hat Enterprise Linux
- Red Hat Ceph Storage
- Veeam
- CrowdStrike

## Key benefits

- **AI-ready infrastructure** without costly hardware
- **Enterprise-grade performance** at a lower cost
- **Fully managed** with built-in support and reliability
- **Meets compliance needs** for finance and government
- **Quick to deploy** with a 90-day trial period
- **Smaller setup** with big savings in space and power

## Getting started is simple

The solution can be rolled out in just 3–6 weeks, including assessment, migration, and validation.

A 90-day no-commitment trial lets organisations test performance and cost benefits before making long-term decisions.

### Deployment steps include:

- **Assessment & blueprinting (1–2 weeks):** Review existing workloads and plan the right-sized deployment.
- **Stack deployment (1–2 weeks):** Install pre-validated hardware and the Red Hat-based cloud stack.
- **Migration & validation (2–3 weeks):** Migrate workloads, test performance, and confirm AI readiness.

### About Red Hat

Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers develop cloud-native applications, integrate existing and new IT applications, and automate and manage complex environments. A trusted adviser to the Fortune 500, Red Hat provides award-winning support, training, and consulting services that bring the benefits of open innovation to any industry. Red Hat is a connective hub in a global network of enterprises, partners, and communities, helping organizations grow, transform, and prepare for the digital future.

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