

Ten Critical Reasons Why Private Cloud Infrastructure with Hitachi Vantara and Broadcom

Rising pressure for business growth and cost optimization has led business leaders to focus relentlessly on innovation across the value chain. Product development, software engineering, and business operations require access to technology resources without compromising on performance, security, and compliance. The rapid adoption of public clouds has eased pressure on resource scaling and accessibility. However, the concerns on application performance, unexpected cloud cost escalations, data sovereignty and control are getting customers to deploy and modernize data centers while improvising to consume infrastructure as a service, fully managed by the experts.

Business and technology leaders are encouraged to consider the following ten factors of why **Hitachi Integrated Systems powered by VMware Cloud Foundation**, a pre-engineered solution by Hitachi and Broadcom is a natural choice to:

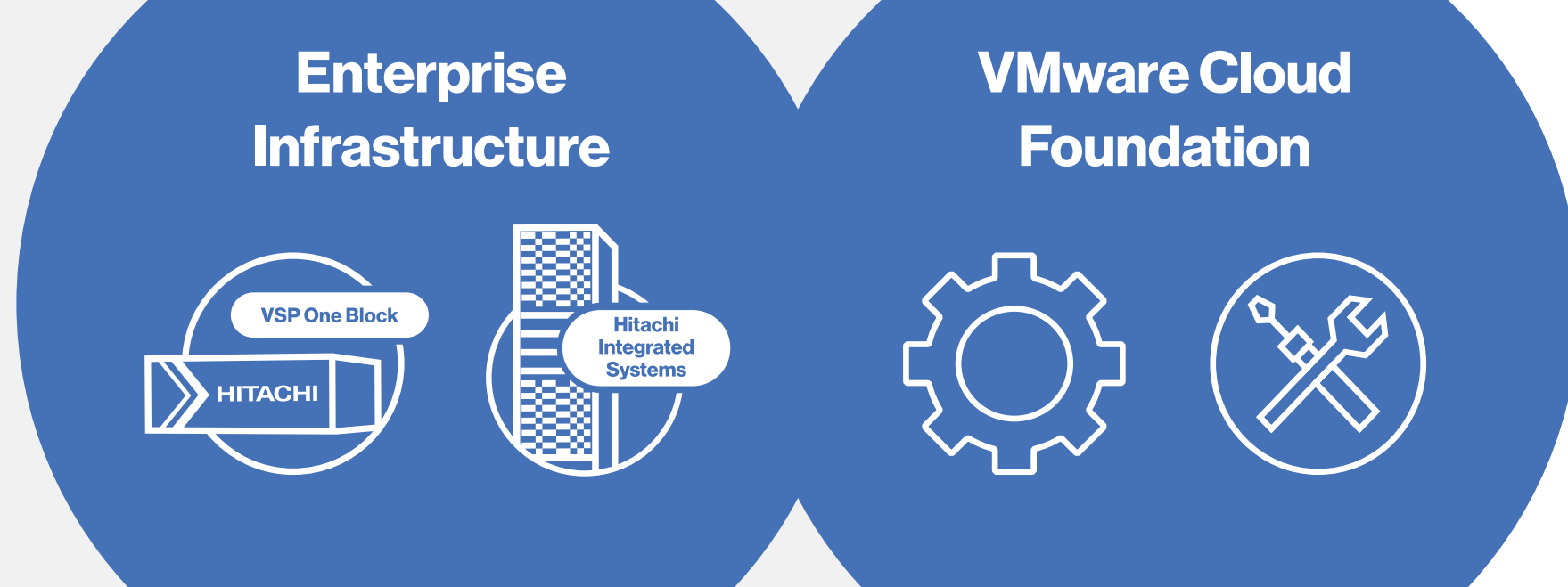
1. Speed time to value
2. Cut cloud costs
3. Ensure continuous operations

Trusted by global corporations, governments, and service providers, this powerful private cloud solution integrates advanced software services and automation with scalable and reliable cloud infrastructure.



ACCELERATE

Agile deployment
Common management
Cloud operations everywhere
Extremely scalable
Low latencies
Energy efficient
Reduce costs
Advanced automation
Total availability
Enhanced security

**01**

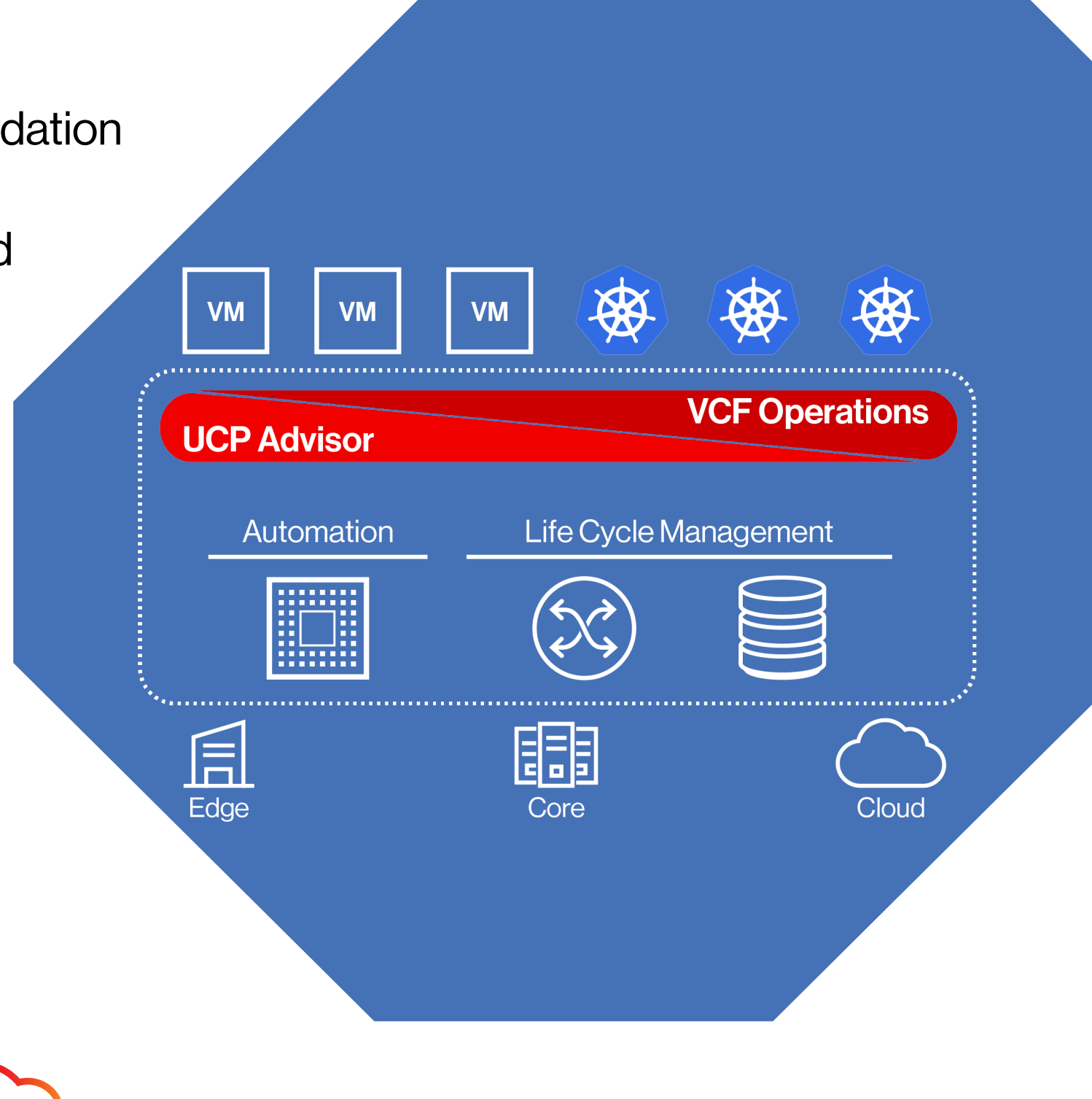
Agile deployment

This pre-engineered solution by Hitachi Vantara is a pre-validated turnkey solution eliminating the need for multiple procurement cycles, interoperability testing, and performance tuning, thus speeding up the time to production. Hundreds of manual tasks in provisioning and configuring the compute, storage and networking elements have been automated to remove uncertainty and increase IT agility for private and hybrid cloud environments.

02

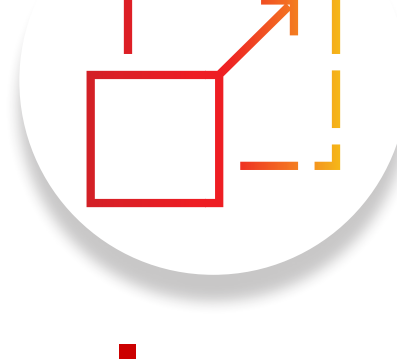
Common management

Experience the simplicity of unified management with VMware Cloud Foundation Operations and plug-in Hitachi Unified Compute Platform Advisor. Reliable and stress-free life cycle management with one-push upgrades for the fully integrated cloud stack.

**03**

Cloud operations everywhere

Experience consistent private cloud operations across core data centers, edge locations, and public clouds using the same tools and familiar practices. Deploy once and consistently reproduce the same configurations, deployments, and policies across different environments for reliable, low-risk, faster deployment. Hitachi Customers benefit from **Hitachi EverFlex** services to let experts operate the infrastructure while they focus on creating higher business value. Handle varying workloads and peak demand with on-demand access to public clouds for a responsive business operation. Innovate and develop new solutions by accessing cloud-native services such as AI, ML, and data analytics.

04

Extremely scalable

Businesses serving millions of customers, governments supporting large population, and service providers working with multiple clients require cloud infrastructure that scales without compromising on performance or manageability. Hitachi's **Virtual Storage Platform (VSP)**, powering cloud-scale infrastructure, scales up to 69 PB capacity and 33M IOPS to run all general purpose and critical workloads, streamlining the IT landscape.

05

Low latencies

When critical workloads need latencies in milliseconds, Hitachi Integrated Systems powered by VSP One, delivers latencies in microseconds. Online transaction processing, gaming, real-time analytics, streaming, etc require high-performance infrastructure to support business functions and enhance user experience. The gold standard for enterprise-grade performance, VSP enables faster decision-making, maximizes revenue opportunities, and reduces response times for improved user satisfaction.

06

Energy efficient

Reduce carbon footprint and lower TCO with private cloud infrastructure powered by VSP, only **carbon footprint of products (CFP)** certified storage platform. **Eco-friendly VSP** systems minimize environmental impact, maximize space efficiency, and reduce recycling costs due to extended lifecycle.

07

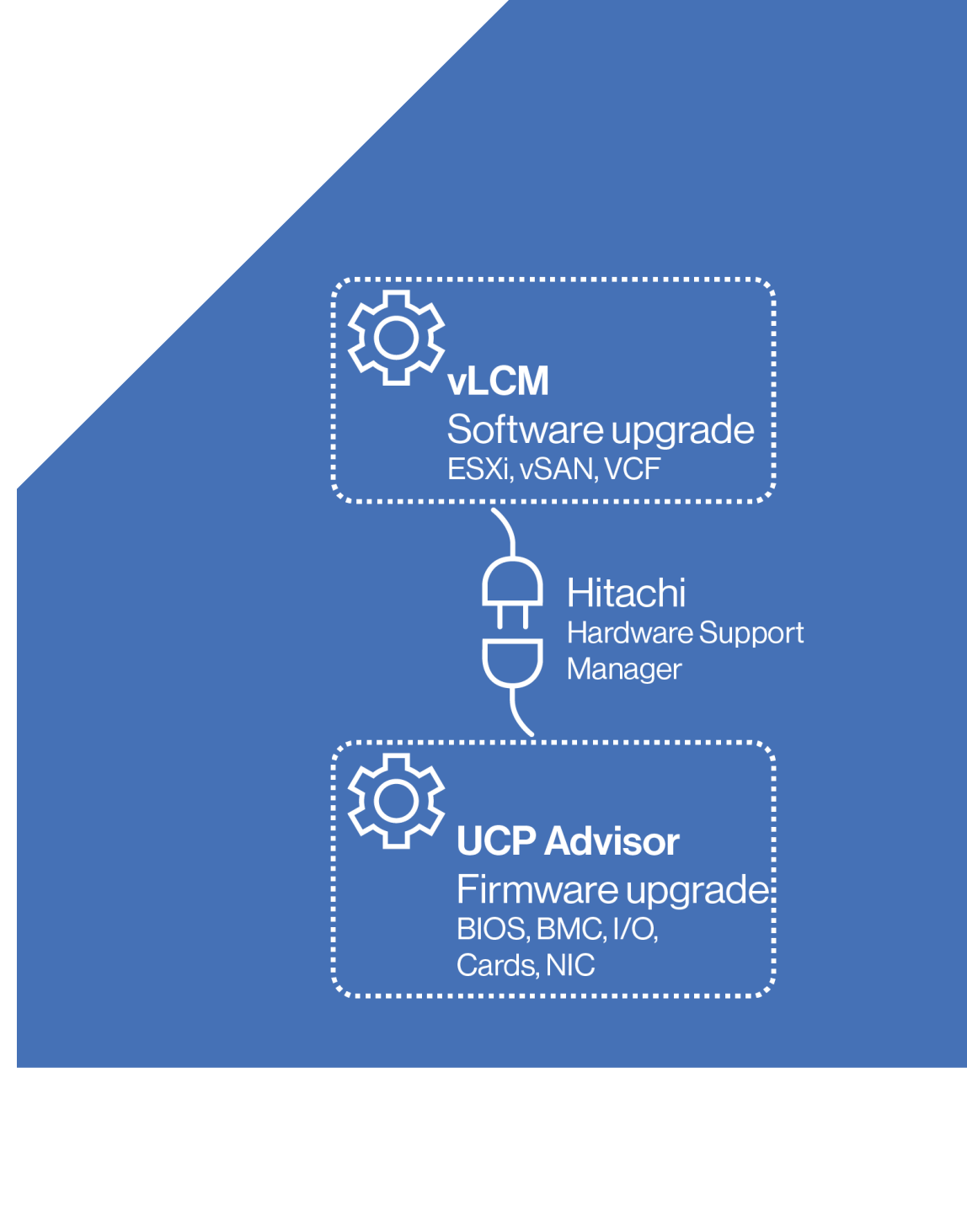
Reduced costs

Software-defined infrastructure powered by **VMware Cloud Foundation** helps reduce costs due to increased resource utilization and reduced infrastructure needs with a high-performance stack lowering CapEx, space, cooling, power, and maintenance needs.

08

Advanced automation

Designed to eliminate manual tasks and increase certainty, VMware Cloud Foundation Operations and UCP Advisor introduce next-level automation to reduce human errors and free up manpower to focus on what matters the most. Built-in workflows orchestrate complex IT operational tasks to reduce the time and effort needed to manage these operations manually. VMware Cloud Foundation Operations and Hitachi UCP Advisor enable a one-push upgrade for the entire cloud stack of software, hardware, and virtualization.

**09**

Total availability

Gold standard for high availability and resilience, Hitachi VSP One has redundancies across the system including active-active controller architecture to deliver 100% data availability. With its advanced architecture, data protection capabilities, and intelligent management, Hitachi VSP One enables organizations to achieve continuous data access and reliability, supporting critical applications.

10

Enhanced security

Integrated stack strengthens security across all layers from infrastructure to data storage with policy-based access, immutable snapshots, encryption etc. Micro-segmentation technology with VMware Cloud Foundation innovatively prevents the spread of malware in the event of any breach. VSP One arrays provide fastest recovery from ransomware attacks with its VSP 360 software together with CyberVR solution.



An integrated infrastructure solution with policy-based automation and a 100% data availability guarantee, Hitachi Integrated Systems powered by VMware Cloud Foundation is the right choice for modernizing and simplifying the private cloud experience.

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