VCE Vision™ Intelligent Operations is Health and Life Cycle Management software embedded in VCE converged infrastructure systems. Its intelligence, automation, and visualization facilitate standardized, repeatable IT operations center and systems administration processes—making it easier to keep your data center/hybrid-cloud environment healthy, optimized, and secure. The unique capabilities of VCE Vision™ software—combined with VCE converged infrastructure systems and VCE Vscale™ Architecture for scaling data centers—helps IT staff spend less time “keeping the lights on” and more time adding business value.

### Positive Business Outcomes of the VCE Converged Infrastructure Solutions

- 41 percent less IT time spent keeping the lights on
- 4.4X faster time to market for services/products
- 4.6X more applications developed/delivered per year
- 96 percent less downtime

### VCE Vision™ Software Converged Infrastructure Health and Life Cycle Management Capabilities

- **Converged Health Management:** Provides a fast on-ramp for proactively preventing and finding probable root cause of system and application workload issues across your data center.
- **Release Certification Matrix (RCM) Compliance Management:** Drives standardized, repeatable processes that keep your data center more stable and optimized through regular firmware/software upgrades.
- **Security Compliance Management:** Drives standardized, repeatable processes that identify vulnerabilities to keep your data center more secure.

### Business Challenges and the Dilemma of IT Operations Status Quo

You feel the pressure to drive new initiatives and deliver more business value without significantly adding operations and systems administration staff. But organizations like yours spend up to 78 percent of operational resources just “keeping the lights on.” So how can you possibly spend less time managing and sustaining infrastructure and more time launching new applications and services?

This dilemma is largely the negative consequence of traditional, siloed IT infrastructure, processes, and management tools that:

- Inhibit proactive action against application incidents/problems and impede mean time to resolution
- Lead to ad hoc, drawn-out maintenance windows and delays in firmware/software upgrades to assure data center stability and optimization
- Result in a weak security posture and slow mean time to resolution of unforeseen vulnerabilities

### Solution Overview

VCE Vision Intelligent Operations is software embedded in VCE converged infrastructure systems that makes it easier to keep your data center healthy, stable and optimized, and secure. Its unique intelligence and automation reduces the time it takes to manage application workload and infrastructure health, keep infrastructure upgraded with the latest firmware and software releases, and keep infrastructure security hardened.

VCE Vision software facilitates standard, repeatable, and more efficient IT operations and system administrative processes that free staff to spend less time “keeping the lights on” and more time adding business value.

This innovative software simplifies operations, improves IT agility, and reduces risk by improving processes to:

- Manage data center health and capacity as a unified, agile resource pool, rather than as a collection of discrete technologies or systems
- Regularly stabilize and optimize infrastructure with firmware/software upgrades with less effort, fewer maintenance windows and without the high risk of outages
- Maintain security-hardened infrastructure on a daily basis

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VCE Vision Software Key Advantages and Differentiators

**Health Management** tells you the state of each VCE systems' virtualization, compute, storage, and network components—and how they contribute to total system health and multi-system status of resources data center-wide.

- **Natural Language Search Engine:** Instantly correlates system component, whole system, and multiple system status and attributes for managing pools of resources.
- **Workload Fingerprinting:** Visualizes all virtual machines, their underlying infrastructure components, and their status for business-impact focused monitoring.
- **Key Performance Indicators:** Easy selection and visual correlation of rich metrics present a fast on-ramp for incident and problem management workflow and more proactive and informed escalation.

**Release Certification Compliance (RCM) Management** simplifies and automates time-consuming steps required in keeping converged infrastructure systems' multi-vendor components current with the latest firmware and software releases.

- **VCE Release Certification Matrix:** Scheduled assessment and availability of multi-vendor firmware/software content for upgrades—pre-validated to be interoperable and to mitigate risk of upgrade-induced system outages.

- **Automated RCM Compliance Audits:** Instantly validates release levels on your systems, what needs to be upgraded, and if release levels have drifted out of compliance.
- **VCE Download Center and Upgrade Guide:** Auto-stages (pre-positions) new firmware and software releases to save hours of manual labor. Provides step-by-step directions for upgrading components for more predictable, shorter maintenance windows.

**Security Compliance Management**

Simplifies and automates time-consuming steps required to keep converged infrastructure systems' configuration settings security-hardened according to component vendor and industry best practices.

- **Automated Security Alerts and VCE Download Center:** Consolidates information, software packages, and knowledge-base articles for remediating multi-vendor component vulnerabilities.
- **Automated Security Audits:** Pinpoints components with vulnerabilities and reports when components have drifted out of security policy compliance.
- **Automated Reconfiguration:** Advanced shell scripting for automating the reconfiguration of settings across components and systems to maintain a secure posture.

**VCE Vscale™ Architecture Management**


**Open Architecture**

VCE Vision software includes a REST API and a software development kit for integration with other IT management software tools, as well as connectors provided by independent software developers for third-party integrations.

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**ABOUT VCE**

VCE, an EMC Federation Company, is the world market leader in converged infrastructure and converged solutions. VCE accelerates the adoption of converged infrastructure and cloud-based computing models that reduce IT costs while improving time to market. VCE delivers the industry's only fully integrated and virtualized cloud infrastructure systems, allowing customers to focus on business innovation instead of integrating, validating, and managing IT infrastructure. VCE solutions are available through an extensive partner network, and cover horizontal applications, vertical industry offerings, and application development environments, allowing customers to focus on business innovation instead of integrating, validating, and managing IT infrastructure.

For more information, go to vce.com.