

# Dell VxRail HCI System Software

It's well understood that a Hyperconverged Infrastructure (HCI) improves efficiency, increases scalability, and lowers costs. Amplify these benefits by providing HCI users with...

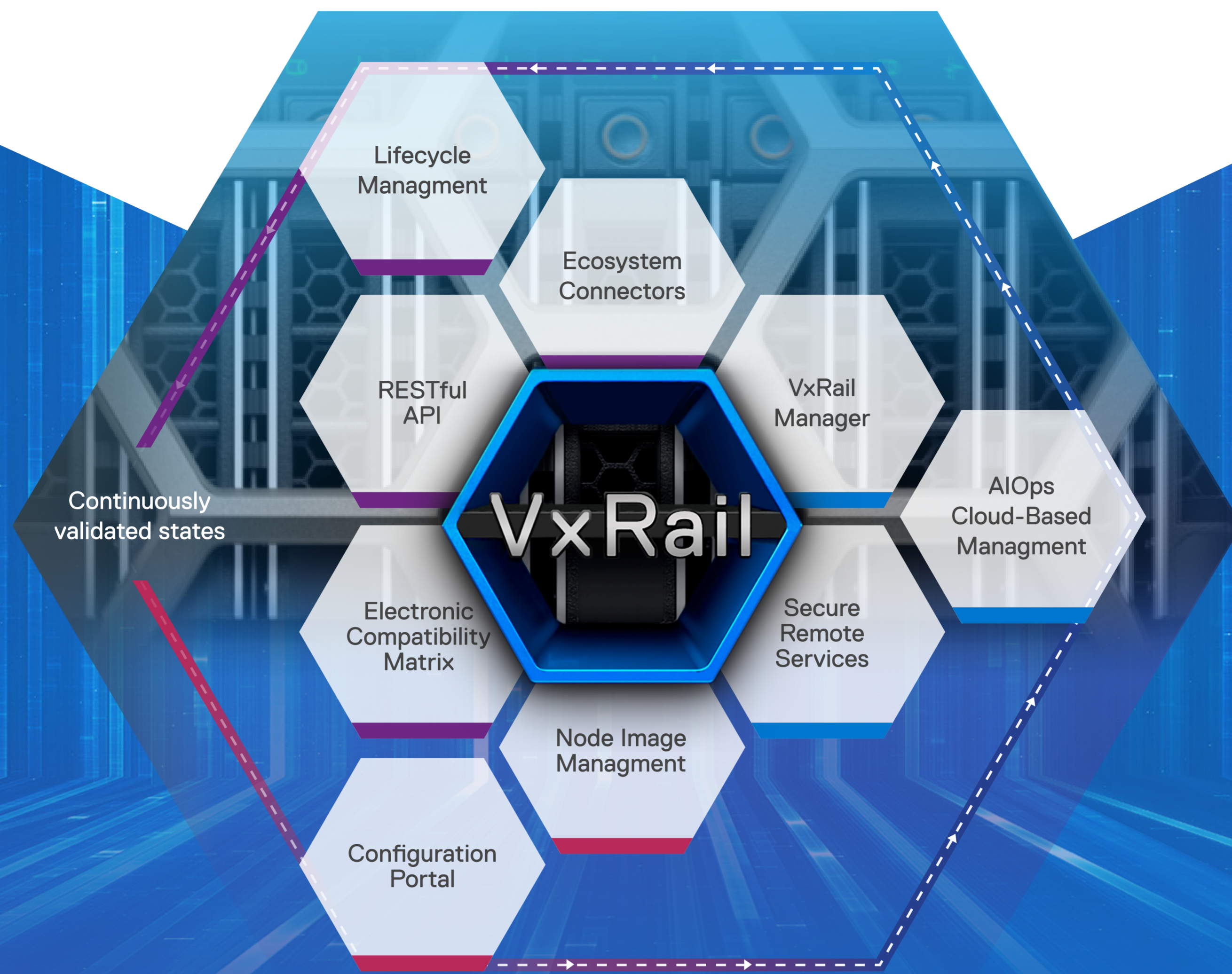
**Consistent operations using native integration**

**Familiar management tools**

**Integrated Lifecycle Management (LCM)**

**APIs for extensibility**

VxRail goes further to deliver more highly differentiated features and benefits based on proprietary VxRail HCI System Software. This unique combination **automates deployment, provides full stack lifecycle management and facilitates critical upstream and downstream integration points** that create a truly better together experience with VxRail as the foundation.



## THE VxRail ADVANTAGE

The VxRail turnkey experience starts with full stack integration of software and hardware control and visibility from top to bottom for a consistent, deeply integrated VMware environment.

## INTEGRATED HCI SYSTEM SOFTWARE

Our integrated software extends VMware's native capabilities to deliver a seamless, automated, operational experience, that keeps your infrastructure in a Continuously Validated State, so your workloads stay up and running.

### Automation and Orchestration

#### Lifecycle Management

Intelligent lifecycle management identifies the optimal state and updates clusters with pre-validated, pre-tested software, and firmware.

- Plan: Schedule and run upgrade health checks in advance of upgrades to ensure clusters are in a ready state for the next upgrade or patch
- Execute: Automate single-click full-stack patching and updating in pre-determined sequences
- Sustain: Record every component change from one validated state to the next with compliance reporting

#### Ecosystem Connectors

Integrate software and hardware to enable LCM, diagnostic automation, and orchestration services across the entire stack.

- Tightly integrate infrastructure components including vSAN, vSphere, physical servers, and networking
- Connects with 3rd party infrastructure components including NICs and GPUs
- VxRail integration with SmartFabric Services automates network fabric configuration and management for VxRail clusters

#### RESTful APIs

Build and operate your infrastructure with cloud-like scale and agility, while streamlining your IT environment and processes.

- Leverage the full power of automation and orchestration services across your data center
- Simplify automation for Windows and VMware vSphere using supported web browsers or from familiar CLIs

#### Electronic Compatibility Matrix

Compliance validation of all possible configuration and upgrade paths.

- Enable customers to choose the Continuously Validated State that best optimizes each cluster for its respective workloads
- Identify every component required to seamlessly bypass releases and patches

### Configuration and Deployment

#### Configuration Portal

Validate, orchestrate, and automate self-deployment for operational efficiency.

- Provides more control over deployment process especially for those with multiple locations
- Deploy on your schedule

#### Node Image Management

Image nodes or clusters to a common release version.

- Reimage and redeploy nodes to utilize in other clusters to meet expansion needs
- Down rev a new node to add to an existing cluster running an older version

### Centralized Management and Support

#### VxRail Manager

As the central control plane and automation tool for seamless VxRail cluster operations, VxRail Manager, natively integrates with VMware vCenter, reducing complexity and helping you:

- Deploy, manage, upgrade, patch and add/retire nodes to a cluster
- Perform diagnostics easily with physical views of each node, down to the component level
- Find support information and tools like knowledge articles and proactive Secure Remote Services

#### AIOps Cloud-Based Management

AI and machine learning analyze the state of every cluster in your environment to help you hone performance and improve system availability.

- Optimize IT operations and anticipate growth requirements using predictive analytics, health checks, and remediation
- Simplify the upgrade process by analyzing the state of every cluster, recommend and pre-stage individual upgrades
- Automatically determine the optimal component upgrades
- Intelligent multi-cluster LCM operations for customers with multiple or geographically distributed clusters

### Secure Remote Services

Ensure maximum availability with a **single point of contact** for both hardware and software. Includes Secure Remote Services (SRS) for call-home and proactive two-way remote connection for remote monitoring, diagnosis, and repair.

**Free your IT resources to focus on growth initiatives** with support for your integrated VxRail systems, including vSAN, vSphere, and VxRail HCI System Software.

**Gain efficiency with 24x7 comprehensive global support** available through the web, chat, phone, or call-back.

**Co-located Dell EMC VxRail and VMware support teams** collaborate to help quickly address issues should they occur.

**1,800+** VMware-certified Dell EMC support professionals

**3,750+** combined VMware certifications

#### Automate

**68%** more efficient IT infrastructure team\*

#### Accelerate

**114%** more new application development per year\*

#### Innovate

**92%** less unplanned downtime\*

\*IDC Business Value White Paper, sponsored by Dell Technologies and Intel, "The Business Value of Dell EMC VxRail and VMware Cloud Foundation on Dell EMC VxRail," December 2020. Actual results will vary.