

Cruz Remote Edge Management Solution

Remote Edge Management While Deploying Dell EMC VxRail Edge Compute

BENEFITS

Minimize onsite technical support costs

Holistic visibility to edge health from bare metal through virtual functions

Consistent compliance to security and configuration policies across all edge solution sites

Remotely manage software updates and dependencies for complete edge stack

Manage updates for groups of edge sites

Automate recurring operations and as closed-loop error remedies

Consolidated visibility and processing of event, log and telemetry.

Coordinate centralized interactions such as SDWAN orchestrators or cloud-based applications

REMOTE EDGE CHALLENGES

The edge facilitates a wide range of important business opportunities. From delivering better internet services for 100s of restaurants to providing service providers with distributed 5G processing, edge infrastructure has become the core for many diverse and promising business models. Edge solutions must integrate into a wide range of software components to support comprehensive and holistic management of hardware and software. This is true for both for individual sites and across distributed edge deployments – at scale. The integrated use of many new IT and network technologies – such as Virtual Edge Platforms, SDWAN and HCI based cloud clusters – coupled with the broad geographical distribution of sites with limited technical expertise, presents a number on management challenges for edge business models.

Sample Edge Use Cases

- Branch Office
- Network Edge
- Campus
- Isolated Site
- CDN/Video
- TV/Sport
- IoT
- Security

Dorado gives customers technology choices to match their technical requirements, regulations, and financial models, including edge technology by Dell EMC and VMWare. For instance, enterprise features of the VxRail Hyperconverged Infrastructure (HCI) platform, in addition to the Virtual Edge Platform (VEP) and industry leading SDWAN solution, Velocloud, all offer distinct functional advantages. Dorado manages both VxRail as well as other Dell EMC and VMWare products.

DELL EMC VxRail HCI – PROVEN DISTRIBUTED CLOUD CLUSTER PLATFORM

The VxRail platform, a leader in providing enterprise-grade distributed cloud capabilities, makes it a clear choice to support use cases in the expanding edge market.

Key VxRail Features

- Roughed hardware design
- Cluster Health Management (ACE)
- Hybrid Cloud Support
- Storage Management (vSAN)
- Virtual Function Manager (vSphere, vCenter)
- Graphic enhancements
- Lifecycle support
- Data protection
- Security

CRUZ EDGE MANAGEMENT SOLUTION

The Cruz Remote Edge Management Solution is a single pane-of-glass for comprehensive security, compliance, health, performance, and software lifecycle orchestration for your remote edge software-defined infrastructure, including legacy hardware. Specifically, Cruz products integrate to VxRail key features for monitoring, orchestration, and lifecycle and configuration management to support remote management of the VxRail cluster while providing integrated management for other edge site capabilities.

Cruz simplifies deployment and management headaches by making it easy to obtain performance statistics; monitor health; backup/restore/deploy firmware; push and monitor configurations to converged infrastructures; trigger network health alerts; automate repetitive tasks; simplify troubleshooting; and ensure service availability.

In a single solution, IT managers can view and manage diverse edge environments with multiple technologies – physical/virtual/compute/network – from multiple vendors, letting you maximize performance, reduce office/store visits, eliminate unplanned truck rolls, and eliminate outages.

CRUZ SOLUTION HIGHLIGHTS

Cruz products provide critical features to address remote edge management challenges, across any potential edge assets, while optimizing support costs, reducing downtime, eliminating manual errors, and minimizing onsite visits.

Single Pane-of-glass: Manage diverse managed resources through their full lifecycle via a single interface.

Consolidate Resource Management: Centralized visibility of all edge computing, networking, and application performance metrics, events, and traffic flow.

Asset Management: Manage edge installations as an associated group of resources for holistic performance and root cause visibility

Active Security Compliance: Validate resource configurations, change auditing and automated compliance enforcement for security politics.

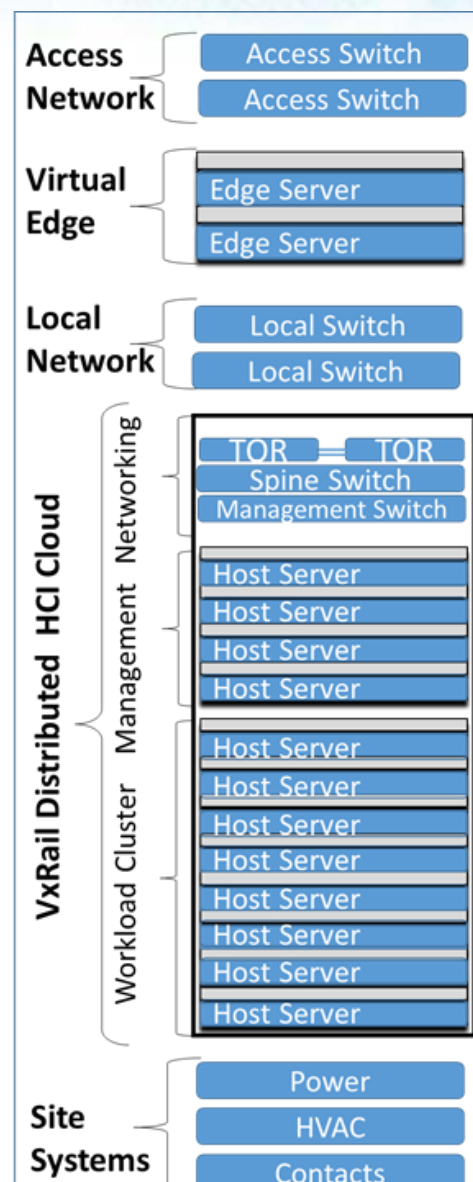
Software Lifecycle Management: Corporate-wide application of software updates to network devices with dependency validation for network functions, computer processes and applications.

No-touch Office Deployment: Accelerate office rollout with technician free automated resource and network configuration.

Log & Telemetry Support: Collect, filter, analyze and visualize comprehensive edge metrics via logs and streaming telemetry.

Additional Cruz Remote Edge Support

- Low level HW component visibility
- Single pane-of-glass
- External function management
- Environmental control
- Autonomous operation
- Access control
- VNF orchestration



Managed Software Assets

- Bare Metal (iDrac, Redfish, IPMI)
- BIOS
- Network OS
- Compute OS (Linux, MS)
- Hypervisor (ESXi, KVM, HyperV)
- Orchestrators (VCO, Openstack, vCenter)
- VM
- VNF (Velocloud, Palo Alto, etc.)
- Containers
- Applications

Additional CRUZ Edge Use Cases

- Virtualized Network Edge
- Cloud Compute Edge
- VxRail
- vSAN
- SD-WAN

Comprehensive Multi-tech/ Multi-vendor Support

- **Technology Examples:** Networking, Wireless, Storage, SD-WAN, Servers, Hypervisors, Clients, Hyper Converged, Backup
- **Vendor Examples:** Cisco, VMware, Ruckus, Aerohive, Dell EMC, Microsoft, Brocade, Juniper, Netgear, Redhat, Extreme, Foundry, HPE, F5, Sonicwall, Sonus, Aperi, Avaya, Lenovo, Ericsson, Siemens, Enterasys, Nortel, Alcatel, 3Com and many more.
- **For more details and a complete device listing, contact sales@doradosoftware.com**

Web Browsers

- Chrome
- Safari
- Firefox
- Internet Explorer

Deployment Options

- Supports single server and high availability deployments with MySQL and Oracle databases

Operating Systems

- Microsoft Windows Server
- Linux for Redhat and CentOS
- Virtual Appliance

Trials, Pricing, Options

- Free 30-day trial
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About Dorado Software

Dorado Software, Inc. is a leading provider of integrated resource management, performance monitoring, and service orchestration software to automate cloud operations across converged infrastructure fabrics. Dorado helps IT professionals to monitor, configure, and manage converged infrastructures (physical and virtual storage, servers, networking, applications), virtualized network functions and cloud services.
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