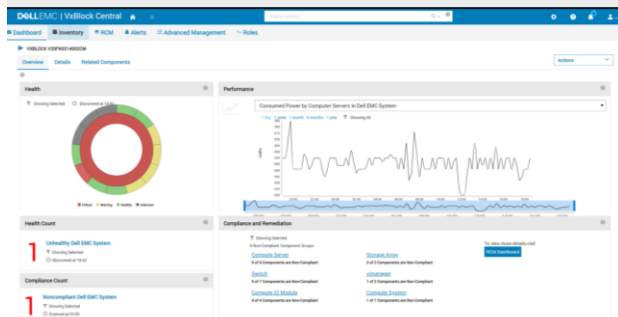# Converged Management and Automation for VxBlock Systems – Featuring VxBlock Central

Dell EMC brings enhanced system-level awareness, automation and analytics to VxBlock 1000 — radically simplifying daily operations with Dell EMC VxBlock Central and providing the path to a cloud operating model through integration with VMware vRealize Suite

VxBlock Central Main Dashboard

ESSENTIALS

- **Awareness**: Gain comprehensive visibility into the current state of all system hardware and software components

- **Automation**: Use simplified, automated processes for deploying and implementing changes to infrastructure components in new and existing VxBlock System deployments

- **Analytics:** Understand the state of the infrastructure and analyze the deviations from the known good state

Dramatically simplify daily IT operations

Enterprises worldwide are adopting converged infrastructure (CI) as one of the best and fastest ways to simplify operations so they can focus on innovation. Dell EMC VxBlock System 1000 delivers a turnkey, engineered experience with a fully integrated, industry-leading stack of converged technologies (storage, compute, networking and virtualization). According to IDC[1], Dell EMC VxBlock customers have benefited from 99% reduction in downtime, 52% less operational effort, 34% faster application deployment and 25% faster application performance.

VxBlock Central is at the heart of Dell EMC's Converged Management and Automation strategy to bring even more value to VxBlock Systems as enterprises advance on their path to cloud. Building on a long history of VxBlock innovation, VxBlock Central software provides a single unified interface and access point for CI operations. It dramatically simplifies daily administration by providing enhanced CI-level awareness, automation and analytics. VxBlock Central includes Dell EMC launch points to VMware vRealize Orchestrator (vRO) with workflows for automating daily operational tasks and to vRealize Operations (vROPs) for deep VxBlock analytics and simplified capacity management.

Through VxBlock Central's converged UI, and integration with best-in-class vRealize software, you simplify the entire operations lifecycle, including system installation and configuration, system monitoring and optimization, and system expansion.

VxBlock Central packages

Enterprises can choose the experience that is right for their business:

Package	Features	Benefits
Base	• Management dashboard with CI-context alerting, inventory, call home, health and Release Certification Matrix (RCM) compliance guidance • **24x7 real-time, role-based alerting**	• Manage more efficiently • Reduce operational risk • Simplify upgrades and assure compliance
Workflow Automation	• Dell EMC plug-In for vRealize Orchestrator • vRealize-based **workflows reduce system expansion time from hours to minutes**	• Focus more on added-value projects • Be more agile • Reduce OPEX
Advanced Analytics	• Dell EMC management pack for vRealize Operations (vROPS) • Converged dashboards for **minimum 4 to 1 management tool reduction** in vROPs • Converged KPIs	• Proactively manage workload health • Improve capacity planning • Resolve incidents and problems faster

Integrated with VMware vRealize Cloud Management

VxBlock Central provides a strong foundation for infrastructure as-a-service (IaaS) and a private/multi-cloud operations model on VxBlock Systems.

It features enriched, converged infrastructure-aware integration with vRealize Operations (vROPs) and vRealize Orchestrator (vRO) software.

With vROPs and vRO software, augmented with an understanding of converged infrastructure status and orchestration workflows, you can more easily and quickly leverage an additional layer of vRealize software tools to enable full cloud service delivery automation and management.

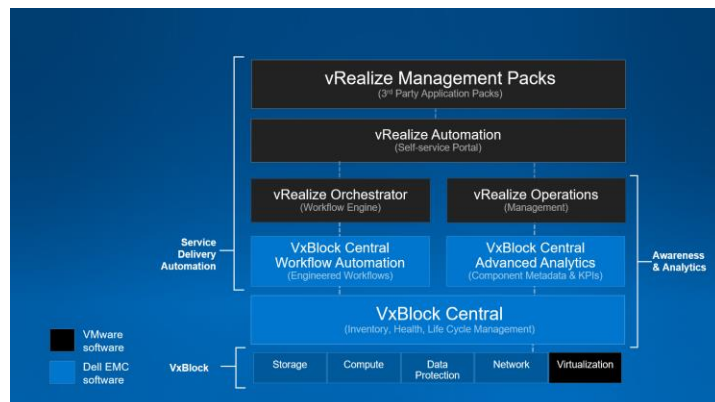**vm**ware®

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VxBlock Central features

Simplify IT operations with these enriched CI management features:

- **Asset management** including enhanced inventory hierarchy, relationships and associations of components in VxBlock Systems

- **System health** including operational state, calculated system health and health reporting

- **Simpler RCM compliance and upgrades** featuring an RCM dashboard showing the release level status of all components; also including RCM compliance score, RCM summary and detail reports, and RCM pre-positioning

- **Advanced, real-time CI-level alerting** including operational state alerts, performance alerts, call home alerts, custom alerts and alert forwarding

- **Automation and orchestration** to more quickly and efficiently expand compute resources (i.e. for servers assigning PowerMax/VMAX/XtremIO/Unity data stores/boot LUNs)

- **Deep CI context KPI metrics** including capacity reporting and performance analytics with historical perspective

- **Infrastructure configured and connected to Dell EMC Support** via Secure Remote Services, automatically sending information about system inventory, RCM* status and issues to provide proactive diagnostics and efficient incident resolution
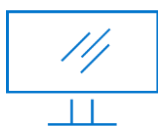
* RCM: Release Certification Matrix of prescribed and pretested firmware and hypervisor release patches and upgrades

Simpler path to a cloud operating model

VxBlock Central provides a foundation for VMware-based cloud operations.

[1] IDC White Paper, "The Business Value of Modernizing Mission-Critical Applications with Dell EMC VxBlock Systems," October 2017

Learn More about VxBlock 1000 solutions

Contact a Dell EMC Expert