Powerful Single Pane-of-Glass for Dell N-Series and CommScope/Ruckus Wireless

Automated discovery, performance monitoring, configuration backup and restore, firmware management, scheduling, traffic flow analysis, configuration audit capabilities, scripting, reporting, and more... all from a single pane-of-glass and at affordable price.

CHALLENGE

Modernizing your wireless infrastructure can be a headache for IT organizations. Keeping track of all the devices in your environment, how they relate to each other and to other parts of the infrastructure, and what services they affect, can be difficult and time consuming. And managing an enterprise wireless network increases in complexity as the number of controllers, APs and network switches expand. This is especially true for those that adopt network components from different vendors, using different APIs and interfaces, to leverage vendor-specific best-in-class features.
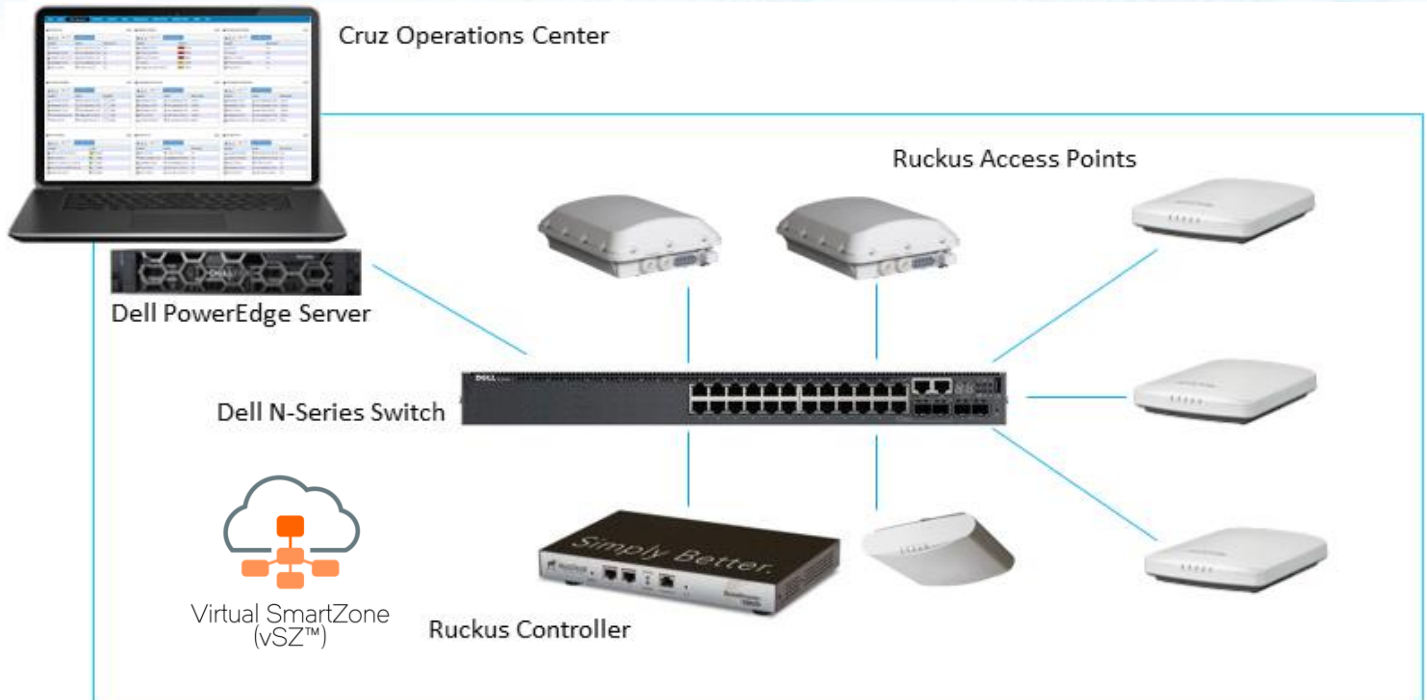
With business operations dependent on the health of the network, enterprises need multifaceted management tools to monitor, maintain, and provide visibility across your Dell and CommScope Ruckus wired and wireless network.

CAMPUS WIRELESS SOLUTION

Dorado Software's **Cruz Operations Center** (CruzOC) is a unified Enterprise IT management system to view, monitor, deploy, and configure multi-vendor wired and wireless IT infrastructures. CruzOC works with both CommScope Ruckus products (access points, controllers) and Dell networking devices (N/S-series switches) to provide complete wired and wireless visibility, connectivity, and management.

With CruzOC, IT departments can simplify the deployment and management headaches with a single tool to obtain performance statistics; monitor health; backup/restore/deploy firmware; push and monitor configurations to wireless controllers, APs, and network switches; trigger network health alerts; automate repetitive tasks; simplify troubleshooting; and ensure service availability.

Simplify, Centralize, and Automate Wired and Wireless Campus Operations

Cruz Operations Center

Ruckus Access Points

Dell PowerEdge Server

Dell N-Series Switch

Virtual SmartZone (vSZ™)

Ruckus Controller

BENEFITS

- **Scalability:** CruzOC + Dell Networking and CommScope Ruckus products let enterprises start small and scale over time as they grow.

- **Automate Operational Tasks with Flexible Scheduling**: From simple, yet time-consuming, repetitive tasks, to complicated security compliance management, consolidate management to automate operational tasks. Automate compliance checking for wired or wireless settings. Automatically remediate out- of-compliant conditions.

- **Automate Device Discovery:** Detailed information on devices and their connectivity, with the ability to draw physical and logical topology maps.

- **Save Money**: Manage lifecycle of converging infrastructures, including deployment, updates, and change control – all with one software product, one license. Minimal resources are required manage, maintain, and monitor your wireless infrastructure.

- **Troubleshoot Faster:** Create dashboards with alerts, topology, and monitoring to locate service-affecting problems for faster MTTR.

- **Proactive Problem Identification and Alerting:** Visibility into issues, or potential issues, in your network before they escalate.

- **Get/Stay in Compliance:** Plan and detect changes, automate remediation and provide comprehensive change reporting. Pre-defined or user define compliance checks to keep controllers, APs, and wireless infrastructure compliant with internal or external requirements.

- **Utilize Your Infrastructure Assets:** Know what you what you have, its location, and report on it with real time inventory to make better technology investment decisions and find underutilized devices/ports.

- **Multi-tenancy:** Support multiple client organizations from a single instance. Off load management or provided limited access to wireless or wired portions of the network using built-in multi-tenant capabilities.

- **Reduce TCO:** Proactively monitor for problems, automating common configuration actions, and enabling easy firmware deployment – lets administrators focus on more critical activities.

KEY SOLUTION FEATURES

VISUALIZATION	
Flexible Dashboards	Easily customize dashboards to visualize only the information that's important to you.
Network Topology Mapping	Automate network mapping with auto discovery to produce comprehensive, easy-to-use network diagrams. Show dynamic topology and links between wired and wireless end points, static maps for buildings and floor layouts. Geographic mapping of locations with Google or Nokia maps.
DEPLOY	
Fast AP, Controller, and Switch Deployment	Centralized discovery and management.
Out-of-the-box	Monitoring, topology, links, and data about all connected devices.
CONFIGURE	
Network Configuration	Saves time by automating configurations, backup and policy management on Dell and CommScope Ruckus networks. One touch wireless AP, controller, and switch configuration through built-in or user defined action scripts or through restoring a configuration file. Reduces the time required to manage critical changes and repetitive tasks across complex, multi-vendor networks.
Advanced Scheduling	Flexible scheduling for key tasks such as configuration backup/restoration; firmware deployment; compliance checking; performance; inventory or other reports for Ruckus wireless controllers and AP's, and Dell N-series switches.
MONITOR	
Robust Wired and Wireless Infrastructure Active Performance Monitoring and Reporting	Multi-vendor monitoring that scales with the needs of the network, helps reduce network outages and bottlenecks, and quickly detect and resolve network performance issues.
Proactive / Preemptive Problem Identification and Alerting	TOP N dashboards, alerts when exceeding thresholds for AP/Controller /Switch, BW utilization, Disk, CPU, Memory, slow response and more.
Traffic Analysis and Reporting	Provides clear visibility into your applications, endpoints, protocols, conversations, and traffic patterns to help avoid bandwidth hogs and greater insight into malicious traffic.
Security Event Management (Log & Event Management)	Identifies and mitigates security threats with in-depth monitoring of Dell switches and Ruckus devices. Conducts file-integrity monitoring and forensic analysis to detect suspicious activity and maintains continuous security across the network.
User Device Tracking	Provides a unified administrative dashboard to locate, map and monitor APs, switches, endpoint devices, and ports across multi-vendor network. Detects rogue devices and users with the ability to turn the ports on and off remotely.
Automate Responses to Network Events	Send notifications and invoke customizable actions to safely reconfigure the network.
Proactive Scanning Policies	Proactively scan for configuration compliance and auditing to track down and correct configuration issues.

TECHNICAL SPECIFICATIONS

Campus Wireless Support

- **CommScope Ruckus:**

  Access Points: R310, R610, E510, H320, H510, M510, P300, R310, R320, R510, R610, R650, R710, R720, R730, R750, T300C, T300D, T300N, T300S, T310c, T310d, T310n, T310s, T610, T710, T750, T811-CM

  Wireless Controllers: SZ100, SZ104, SZ124, SZ300, vSZ-E/H/D, ZD 1200/1205

- **Dell Technologies**

  N-Series Switches: All

  Dell S-Series Switches: All

Comprehensive Dell Technologies and Multi- vendor Support

- **Networking**, **Wireless**, **Storage, SD-WAN, Servers, Clients, Hyper Converged, Backup**
  For more details and a complete device listing,
  contact sales@doradosoftware.com

Supported Operating Systems (64-bit)

- Microsoft Windows Server 2008, 2012, 2016, 2019
- Linux for Redhat and CentOS v6.5/v6.6/v7.5/v7.6
- Virtual Appliance

Supported Web Browsers

- Chrome
- Safari
- Firefox
- Internet Explorer

Deployment Options

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

Trials, Pricing, Options

- Free 30-day trial www.doradosoftware.com
- Low-risk, affordable subscription-based options in 1/3/5-year terms
- Scales from 25 devices to unlimited

Demos, Quotes, Purchase

- Dell Technologies Representative, Reseller or sales@doradosoftware.com

About Dell Technologies

Dell Technologies (NYSE: DELL) is a unique family of businesses that helps organizations and individuals build their digital future and transform how they work, live, and play. The company provides customers with the industry's broadest and most innovative technology and services portfolio spanning from edge to core to cloud.

About CommScope/Ruckus

CommScope (NASDAQ: COMM) and the recently acquired ARRIS and Ruckus Networks are redefining tomorrow by shaping the future of wired and wireless communications. Our combined global team of employees, innovators and technologists have empowered customers in all regions of the world to anticipate what's next and push the boundaries of what's possible. Discover more at www.commscope.com.

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. Discover more at www.doradosoftware.com.