

Cruz E2E Software Defined Control Solution

# Dynamic Control and Orchestration - Software Defined Networking and Automation

## BENEFITS

### **Automatic**

#### **Notifications:**

*Automatically notify IT staff when an IoT device is granted or denied access.*

#### **Eliminate technical support costs:**

*Automated provisioning and one-touch validation reduces support costs.*

#### **Reduce operational**

**costs:** *Reduce deployment errors and technical staff costs with simple plug and play automated provisioning.*

#### **Comprehensive**

**visibility:** *One system to see your complete infrastructure from the datacenter, to campus, to end point device.*

#### **Proven scalability:**

*Robust architecture lets you scale from small to extremely large environments.*

## CHALLENGES

The setup of IoT devices can present significant and expensive problems for your IT staff. Onboarding many IoT devices without impacting network teams or other IT resources is challenging, and the process is tedious and time-consuming, especially when your IT staff is in different locations.

For instance, when bringing IoT devices online, IT managers are often faced with sending expensive technical staff to various geographical locations to plug in a device and configure remote switches. A data center expert must then configure the data center switch and firewall to allow one IoT device on the network. This manual process is not only costly; it simply doesn't scale.

## CRUZCONTROL FOR E2E SD CONTROL

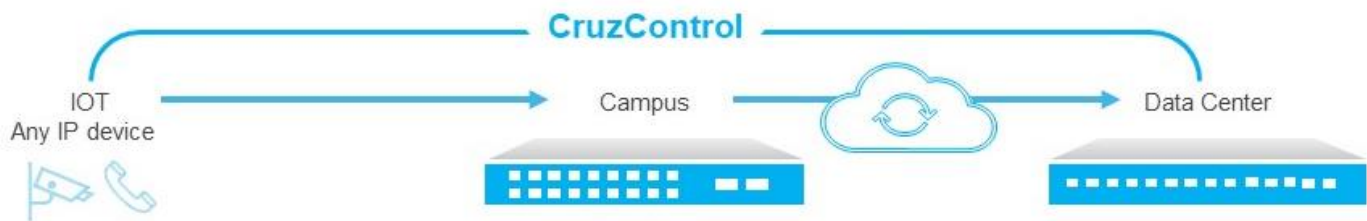
CruzControl lets you create, automate, and orchestrate value-added services over converged infrastructures. With a single system for critical management to automate service delivery and fulfillment, CruzControl shortens time-to-market and reduce errors during delivery.

The Cruz E2E SD Control Solution provides Integrated hybrid resource and network orchestration. CruzControl automates access to devices by orchestrating and configuring hybrid resources – like IoT and network devices – from the campus through the data center for end-to-end software-defined control.

CruzControl lets anyone on-site plug an IoT device onto an access port. CruzControl will auto configure the appropriate access and validate the network for the end-to-end secure access. With end-to-end connectivity automatically provisioned for you, CruzControl frees up IT staff for more critical tasks, ensures IoT devices are immediately available to users, provides savings on labor costs and technician visits, and gives you the ability to scale.

## END-TO-END SOFTWARE DEFINED CONTROL EXAMPLE

### CruzControl, Pluribus, Dell OS6 campus switch, and IOT devices



### SOLUTION HIGHLIGHTS

The Cruz Solution has critical features that address orchestration and management challenges, across any infrastructure asset, while optimizing support costs, reducing downtime, eliminating manual errors, and minimizing onsite visits.

**Single Pane-of-Glass:** Manage diverse IoT and any managed resource through their full lifecycle via a single interface.

**Consolidate Resource Management:** Centralized visibility of all IoT and networking devices, and application performance metrics, and events.

**Asset Management:** Manage IoT installations and deployment as an associated group of resources for holistic performance, root cause visibility, and reporting.

**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 IoT Deployment:** Accelerate IoT rollout with technician free automated resource and network configuration.

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

**Environmental Control:** provide visibility and mapping of your IoT devices.

**Access Control:** Secure access for IoT devices.

## TECHNICAL SPECIFICATIONS

### Additional CRUZ Use Cases

- Remote Edge Management
- Cloud Compute Edge
- ROBO
- Campus Wireless IT
- VxRail
- vSAN
- Virtualized Network Edge

### Comprehensive Multi-tech/ Multi-vendor Support

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

### Supported 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  
[www.doradosoftware.com](http://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](mailto:sales@doradosoftware.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.  
[www.doradosoftware.com](http://www.doradosoftware.com).