



# IQ-Core Network Communications Manager (NCM)

**IQ-Core® Software is a comprehensive and secure unified communications network management software solution.**

- Provides an intuitive user interface: Makes communications set-up and operation quick and easy to learn and recall. Includes customizable user interfaces and roles-based access control, providing tailorable access to features depending on user experience level. This reduces training time and costs
- Reduces configuration errors: Assists organizations in maintaining uptime, performance, and compliance with cyber security requirements
- Simplifies troubleshooting: Through integrated tools for both entry level and advanced network administrators, reducing reliance on contract field service representatives
- Saves time: Automates complex, time-consuming and error-prone tasks with powerful wizards with common user interfaces across hardware and software components
- Provides cyber situational awareness (SA): Enhanced network and cyber SA at the core and edge of the network with extensive real-time status, alerts, and auditing
- Facilitates remote and distributed management: Ability to monitor, change device configurations, and troubleshoot from anywhere in the world

## Key Features

- Technology optimized for the tactical network: Unlike enterprise network management software packages that are too heavy and don't provide depth in key tactical requirements, PacStar® developed IQ-Core® Software to manage the unique challenges faced by tactical networks.
- A unified view: for network monitoring and diagnostics, providing operators with real-time situational awareness of the health of the network, and ability to provide configuration management and troubleshooting of the entire suite of network software and devices, regardless of vendor.
- Adaptable to user level: Tailorable for both non-specialists and power users. With Roles Based Access Control, IQ-Core Software includes a GUI, command line access, and advanced automation technology in a single solution - enabling IT specialists of any level of expertise to complete tasks faster, with fewer errors.
- Drives down costs: Eliminates the need for field service representatives to stand up and manage communications equipment and reduces the training required to operate the equipment.
- Enhances ability to meet mission objectives: Reduces set-up time, allowing communications to adapt to rapidly changing circumstances and improve mobility. Improves uptime and situational awareness, allowing personnel to focus on fighting the battle, not fighting the network.
- Vendor-agnostic interoperability: Unlike OEM device management software that only integrates with specific products, IQ-Core Software integrates with a broad range of tactical and enterprise communications hardware and systems, using industry-standard APIs and open interfaces. This enables organizations to easily upgrade, replace, or reconfigure deployable systems to include the "best of breed" technologies from multiple vendors.

**Certified and included on the DoDIN Approved Products List (APL)**

## IQ-Core CM screen shots



### Customizable Dashboards

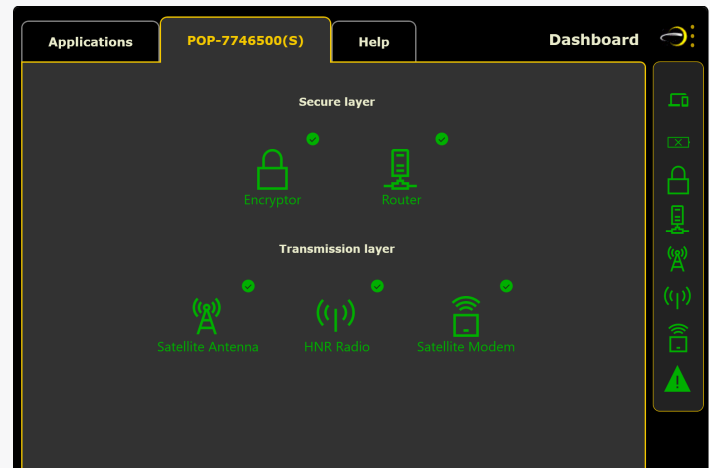
- Monitor the status of system components from multiple vendors, from a single view
- View real-time status of resource utilization, VPN tunnels and more
- Provide system-at-a-glance status including hardware, software and VMs



### Device Management

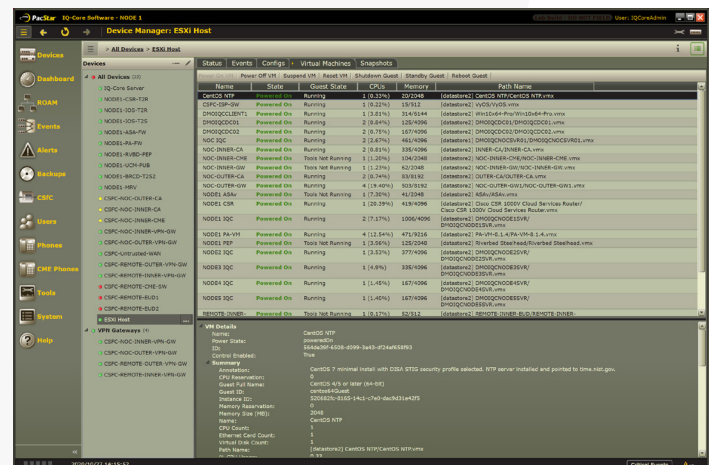
- Manages hardware, software and virtual devices from multiple vendors, in a single GUI
- Provides monitoring, configuration management, interview status/configuration, command line access and scripting
- Includes real-time performance monitoring, alerts and SNMP monitoring

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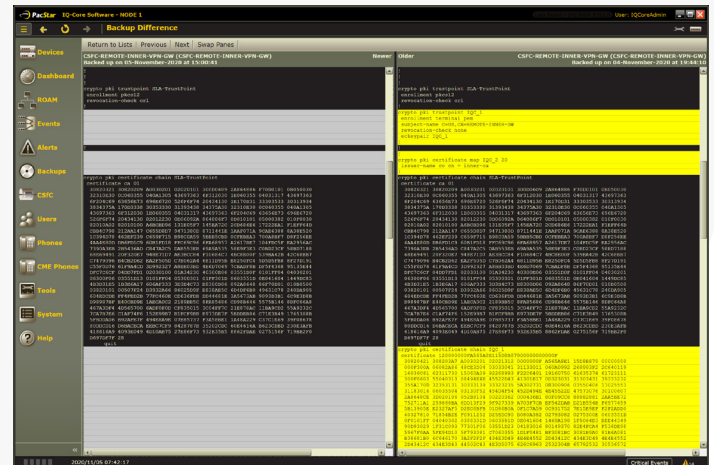
### Dashboard Mode

- Simplified mode for non-technical operators or commanders
- Provides network/device status using full IQ-Core Software power
- Prevents network/device misconfiguration



### Virtual Machine Management

- Integrated VMware virtual machine management
- VM monitoring, start/stop, snapshots

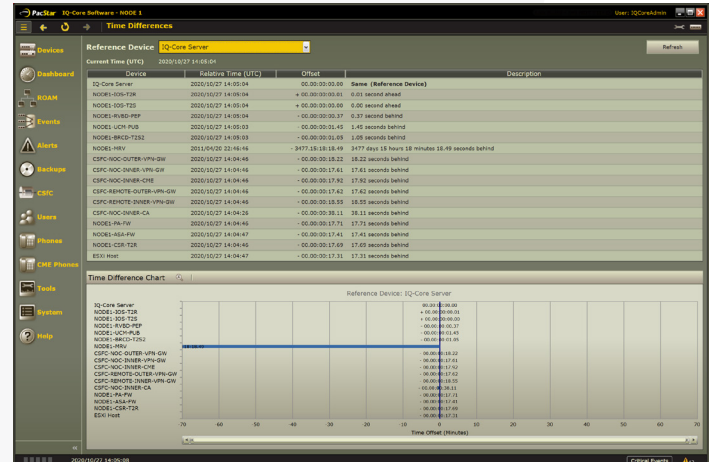


## Session/Call Controller Management

- Integration with popular voice/video/session management technologies including REDCOM Sigma, Cisco UCM and UCM Express.
- Setup and configuration of phone lines/sessions, trunks
- Call details and reporting

## Configuration Backup and Restore

- Assists organizations to conform to policy device requirements
- Automatic, manual, or scheduled configuration backups
- Compare configuration changes



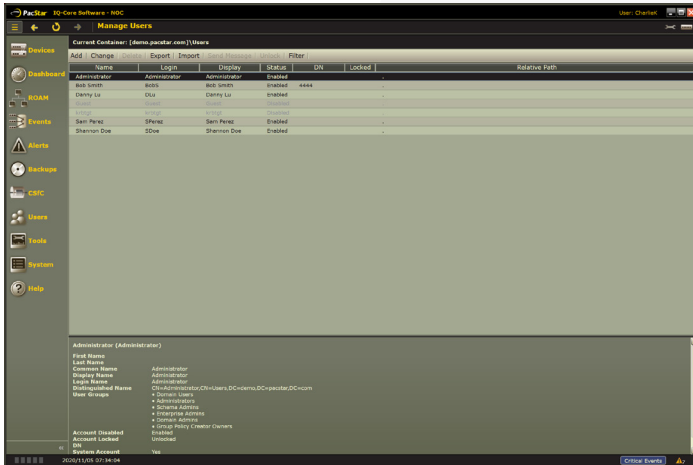
## Event Management

- Collects events from system components in Syslog and WMI formats
- Provides northbound log forwarding and local storage – enabling local and remote administrators to monitor events
- Provides comprehensive searching capabilities
- Alerting capabilities with acknowledgements

## Troubleshooting / Utilities

- Device date/time diagnostics
- Cisco IP SLA
- File transfer utilities
- Credentials management
- Ping tools

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## User Management

- Add and remove users from Active Directory / LDAP, assign phones
- Bulk import / export
- Roles-based access control to IQ-Core Software capabilities

## Workflow Wizards

- Step-by-step wizards that automate routine and complex tasks and reduce complexity
- Workflow that integrates with devices, software and hardware from multiple vendors
- Administrator-settable defaults

IQ-Core NCM manages PacStar products and is also available for integration into customer-specified systems, OEM, and enterprise-class solutions.

## Supported Devices

- Aruba Mobility Controller
- Aruba ClearPass Policy Manager
- Brocade FastIron Workgroup
- Cisco Unified Communications Manager
- Cisco Unified Communications Manager Express
- Cisco VoIP Gateway
- Cisco router running IOS or IOS-XE
- Cisco Nexus Switch
- Cisco switch running IOS or IOS-XE
- Cisco ASA Adaptive Security Appliance
- Cradlepoint Mobile Router
- Cubic Vocality Radio Over IP
- Debian Linux
- iDirect 9-Series satellite modems
- Juniper vSRX Firewall
- Klas Voyager switch
- L3 Linkabit MPM-1000 and MPM-2000 NCW IP modems
- Microsoft Active Directory
- Microsoft Active Directory Certificate Services
- Microsoft Windows Server and Workstation
- MRV Terminal Server
- Oracle Communications SBC
- Red Hat Certificate Services
- Red Hat Enterprise Linux
- Riverbed SteelHead
- Ultra Electronics TRILOS Tri-channel Line-of-Sight Radio VMware vSphere
- Any IP device supporting Syslog and SNMP, such as servers, EUDs, network devices, peripherals, IoT devices, and UPSs

Contact Curtiss-Wright's PacStar business unit to confirm details about supported models and version numbers.

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