

Cradlepoint NetCloud OS

Advanced Routing & SD-WAN Software For Cradlepoint's Industry-Leading LTE Routers

Digital transformation demands a Network Edge that is always available, flexible, and agile. Cradlepoint's NetCloud OS (NCOS) offers advanced routing and security features for branch, mobile, and M2M/IoT – and seamlessly connects to NetCloud Manager for zero-touch and Day-1 deployments.

NCOS's advanced VPN tunneling and WPA2 WiFi encryption provides better security for local and remote connections. NCOS also supports optional services such as IDS/IPS and content filtering that deliver full Unified Threat Management (UTM) for today's business-critical networks.

Connection Manager, Smart WAN Selection, and Auto-QoS deliver SD-WAN functionality optimized for multi-WAN deployments – combining wired and LTE to enable automated management and reduce costs.

NCOS is consistently updated so your business-critical enterprise networks are always secure. This creates a flexible, always available infrastructure for branch offices, vehicles, or M2M/IoT devices – or a combination of all three.

Key Features:

- + Multi-WAN capability for best-in-class business continuity
- + Advanced application-aware firewall
- + Manage from anywhere using NetCloud Manager
- + Advanced routing & VPN features for state-of-the-art security
- + Supports NetCloud Engine Gateway for secure IoT deployments
- + Extensible via SDK



BENEFITS:

Integrated SD-WAN

Create ease-of-deployment, centralized management and reduced costs: managing your organization's WAN has never been easier.

- + Connection Manager for prioritizing & controlling WAN profiles
- + Application-aware policies for intelligent WAN selection & optimization
- + Smart WAN Selection for cost-optimized, always-on connectivity
- + Auto-QoS automatically prioritizes real-time user interactive traffic when network congestion occurs
- + Robust analytics in NetCloud Manager to manage performance, data usage & costs

Pervasive Connectivity with 4G LTE

Industry-leading 4G LTE and best-in-class multi-WAN experience.

- + Rich multi-WAN capability: active-active, load balancing, active-dynamic
- + Fully diverse Out-of-Band Management (OOBM) for advanced management of remote places & things
- + Failover between wireless & wired WANs for 99.99% uptime

Secure Your Network

Mitigate security threats on your network with hardened security features of NetCloud OS.

- + Powerful application-aware, zone-based stateful firewall
- + NSA Suite B Cryptography Compliance with IKEv2 Support
- + Create flexible, secure Virtual Cloud Networks when used in tandem with NetCloud Engine

Crucial Enterprise Routing

Advanced routing and security features increase productivity and business continuity for enterprise networks.

Centralized, Cloud-Based Management of NCOS through NetCloud Manager (NCM)

NCOS makes it easy to deploy local or remote networks.

- + Zero-touch configuration at installation for rapid deployment
- + Robust WAN & LAN analytics to manage performance, data usage & costs
- + Upgrade firmware remotely: ensure up-to-date security & PCI Compliance

Functionality	+NCM Standard*	+NCM PRIME**
WAN		
Connection Manager, LTE, WiFi-as-WAN/Client, Smart WAN Selection, QoS, WAN Affinity	✓	✓
LAN		
IPv4 & IPv6	✓	✓
DHCP Server	✓	✓
DHCP Relay	✓	✓
1024 VLANs	✓	✓
VRRP		✓
WiFi		
Multiple SSIDs, WEP, WPA/WPA2 Personal, WPA/WPA2 Enterprise, Smart Channel Selection, HotSpot Services	✓	✓
Routing		
Static Routes	✓	✓
Policy Routes	✓	✓
BGP, OSPF, RIP, RIPng		✓
VPN		
IPSec, GRE	✓	✓
OpenVPN		✓
NEMO (DMNR)		✓
L2TP		✓
DMVPN/NHRP		✓
Security		
Zone Firewall	✓	✓
Basic URL filtering (White/Black list)	✓	✓
CP Secure Web Filter		✓
CP Secure Threat Management ¹	✓	✓
Zscaler Internet Security ¹	✓	✓

* Cloud managed with NetCloud Manager Standard

** Cloud managed with additional features with NetCloud Manager PRIME

¹ CP Secure Threat Management and Zscaler Internet Security require additional licenses.

Learn more: cradlepoint.com/netcloud-os