NetCloud Service Plan Features

NetCloud Feature	NetCloud Branch Adapter						
	CBA550	CBA850	L950	W1850	W2000	W2005	W4005
WAN							
Connection Manager							
Load Balancing	✗	✔	✔	✔	✔	✔	✔
Smart WAN Selection	✗	✔	✔	✔	✔	✔	✔
Advanced APN	✔	✔	✔	✔	✔	✔	✔
WAN Verify	✔	✔	✔	✔	✔	✔	✔
Failover/Failback	✗	✔	✔	✔	✔	✔	✔
WAN Connections							
5G	✗	✗	✗	✔	✔	✔	✔
LTE	✔	✔	✔	✔	✔	✔	✔
CBRS	✗	✔	✔	✔	✔	✔	✔
WiFi-as-WAN	✗	✗	✗	✗	✗	✗	✗
Wireless Client	✗	✗	✗	✗	✗	✗	✗
Wired Ethernet	✗	✔	✔	✔	✔	✔	✔
SD-WAN							
Single-Sided Architecture (Edge only)							
Static Traffic Steering (Device or Group)	✗	✔	✔	✔	✔	✔	✔
Application Aware Traffic Steering (Device or Group)	✗	✗	✗	✗	✗	✗	✗
Identifies up to 1000 known applications	✗	✗	✗	✗	✗	✗	✗
Cellular interface steering	✗	✗	✗	✗	✗	✗	✗
Dual-Ended Architecture (requires NetCloud Exchange Secure Connect)							
Policy-Based Application Traffic Steering (Network)	✗	✗	✗	✗	✗	✗	✗
Identifies up to 3500 known applications	✗	✗	✗	✗	✗	✗	✗
Cellular provider steering	✗	✗	✗	✗	✗	✗	✗
Enterprise Routing							
Static Routes	✔	✔	✔	✔	✔	✔	✔
Policy Routes	✗	✗	✗	✗	✗	✗	✗
OSPF	✗	✗	✗	✗	✗	✗	✗
BGP	✗	✗	✗	✗	✗	✗	✗
RIP	✗	✗	✗	✗	✗	✗	✗
PIM	✗	✗	✗	✗	✗	✗	✗
Open EIGRP	✗	✗	✗	✗	✗	✗	✗
NHRP	✗	✗	✗	✗	✗	✗	✗
NEMO / DMNR	✗	✗	✗	✗	✗	✗	✗
IP Verify	✗	✗	✗	✗	✗	✗	✗
LAN							
IPv4 & IPv6	✔	✔	✔	✔	✔	✔	✔
Quality of Service (QoS)	✔	✔	✔	✔	✔	✔	✔
Application Aware QoS	✗	✗	✗	✗	✗	✗	✗
DHCP Server / Relay	✔	✔	✔	✔	✔	✔	✔
VRRP	✗	✗	✗	✗	✗	✗	✗
MAC Filtering and Logging	✗	✗	✗	✗	✗	✗	✗
IP Passthrough Mode	✔	✔	✔	✔	✔	✔	✔
Wired 802.1x	✗	✗	✗	✗	✗	✗	✗
STP	✗	✗	✗	✗	✗	✗	✗
LLDP	✗	✗	✗	✗	✗	✗	✗
VLANS	✔	✔	✔	✔	✔	✔	✔
Wi-Fi							
Multiple SSIDs	✗	✗	✗	✗	✗	✗	✗
Wireless Security Modes							
Open	✗	✗	✗	✗	✗	✗	✗
WEP	✗	✗	✗	✗	✗	✗	✗
WPA / WPA2 Personal	✗	✗	✗	✗	✗	✗	✗

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WPA / WPA2 Enterprise (802.1x)	✗	✗	✗	✗	✗	✗	✗
WPA / WPA2/WPA3 Personal and Enterprise (802.1x)	✗	✗	✗	✗	✗	✗	✗
Smart Channel Selection	✗	✗	✗	✗	✗	✗	✗
HotSpot Services (Captive Portal)	✗	✗	✗	✗	✗	✗	✗
Edge Security							
Zone Firewall	✓	✓	✓	✓	✓	✓	✓
Basic URL Web Filtering (White/Black list)	✓	✓	✓	✓	✓	✓	✓
DNS Layer Filtering with Cisco Umbrella	✓	✓	✓	✓	✓	✓	✓
Application Aware Zone Firewall	✗	✗	✗	✗	✗	✗	✗
CP Secure Threat Management (IPS/IDS)	✗	✗	✗	✗	✗	✗	✗
Actionable Alert on Threat Detection	✗	✗	✗	✗	✗	✗	✗
CP Secure Web Filter	✗	✗	✗	✗	✗	✗	✗
Web Classification and Categorization	✗	✗	✗	✗	✗	✗	✗
Web Reputation	✗	✗	✗	✗	✗	✗	✗
VPN & Tunneling							
Traditional Edge VPN Protocols & Orchestration							
IPSec	✗	✗	✗	✗	✗	✗	✗
GRE	✗	✗	✗	✗	✗	✗	✗
OpenVPN (SSL VPN)	✗	✗	✗	✗	✗	✗	✗
L2TP	✗	✗	✗	✗	✗	✗	✗
PMIP	✗	✗	✗	✗	✗	✗	✗
DMVPN	✗	✗	✗	✗	✗	✗	✗
Auto-Tunnels	✗	✗	✗	✗	✗	✗	✗
Zero Trust Network							
Built in orchestration for tunnels	✗	✗	✗	✗	✗	✗	✗
Name-based routing	✗	✗	✗	✗	✗	✗	✗
No default network level access	✗	✗	✗	✗	✗	✗	✗
Private NAT techniques	✗	✗	✗	✗	✗	✗	✗
Flow-level visibility	✗	✗	✗	✗	✗	✗	✗
Zero Trust Remote Access (per user licensing)							
Integration with Corporate Identifty Provider authentication	✗	✗	✗	✗	✗	✗	✗
User attributes in access policy	✗	✗	✗	✗	✗	✗	✗
Remote access client	✗	✗	✗	✗	✗	✗	✗
Troubleshooting & Diagnostics							
Out-of-Band Management for access to non-Cradlepoint devices with console port	✗	Advanced	Advanced	Advanced	Advanced	✗	✗
In-band management for access to LAN connected 3rd party device UIs	✗	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
In-band management for clientless access to LAN connected PC/MAC devices (RDP/VNC)	✗	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Real-time Device Status via Remote Connect Local UI (router)	✗	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Real-time Network Interface Status via Remote Connect Local UI (router)	✗	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Current Device Status via NetCloud Device Dashboard	✓	✓	✓	✓	✓	✓	✓
Current Network Interface Status via NetCloud Device Dashboard	✓	✓	✓	✓	✓	✓	✓
Ping	✓	✓	✓	✓	✓	✓	✓
Traceroute	✓	✓	✓	✓	✓	✓	✓
Global Speed Test per WAN Interface	✓	✓	✓	✓	✓	✓	✓
Rogue AP Detection	✗	✗	✗	✗	✗	✗	✗
Wi-Fi Site Survey	✗	✗	✗	✗	✗	✗	✗
GPIO (General Purpose Input/Outputs)	✗	✗	✗	✗	✗	✗	✗
Ignition Sensing with Delayed Power Off	✗	✗	✗	✗	✗	✗	✗
OBD-II Support	✗	✗	✗	✗	✗	✗	✗
Dashboard Analytics							
Account Dashboard	✓	✓	✓	✓	✓	✓	✓
Group Dashboard	✓	✓	✓	✓	✓	✓	✓
Device Dashboard	✓	✓	✓	✓	✓	✓	✓
Detailed Interface (Network, Ports, and Wi-Fi) view with Live Stats	✓	✓	✓	✓	✓	✓	✓

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Detailed Interface (GPIO) view with Live Stats	✖	✖	✖	✖	✖	✖	✖
GeoView Dashboard (Account, Group, Device)	✖	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Near Real-Time Last Known Map Location Based on GNSS/GPS	✖	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Add Last Known Map Location Manually	✖	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Approximate Last Known Map Location Based on Serving Cell Tower	✖	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Location of Serving Cell Tower	✖	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
GeoFence Alerting	✖	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
5G/LTE Cellular Coverage Map with filter	✖	✖	✖	✖	✖	✖	✖
Location Tracking	✖	✖	✖	✖	✖	✖	✖
Cellular Data Usage Dashboard (Account)	✖	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Pooled Carrier Data Usage Analytics, Forecasting, and Alerting	✖	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Data Usage Dashboard (Account, Group, Device)							
Usage by WAN and Modem	✔	✔	✔	✔	✔	✔	✔
Clients - Connected and Top Users (Account, Group, Device)	✖	✖	✖	✖	✖	✖	✖
Traffic - Categories and Applications (Account, Group, Device)	✖	✖	✖	✖	✖	✖	✖
Health Dashboard (Account, Group, Device)	✔	✔	✔	✔	✔	✔	✔
WAN Uptime (uncategorized)	✖	✖	✖	✖	✖	✖	✖
WAN Uptime (categorized by WAN service type)	✖	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Devices Lifecycle (shows where software update is required)	✔	✔	✔	✔	✔	✔	✔
Cellular Health summary (Account)	✖	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Cellular Health with Live Stats (Device)	✖	✔	✔	✔	✔	✔	✔
Application and Interface WAN Quality of Experience (QoE)	✖	✖	✖	✖	✖	✖	✖
Traffic Steering for Events & Flows	✖	✖	✖	✖	✖	✖	✖
Failover Events Summary	✖	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Active Failover Events	✖	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Service Gateway (Account)	✖	✖	✖	✖	✖	✖	✖
SD-WAN (Account)	✖	✖	✖	✖	✖	✖	✖
License Dashboard (Device)	✔	✔	✔	✔	✔	✔	✔
Subscription Dashboard (Account)	✔	✔	✔	✔	✔	✔	✔
Licensed Devices (allows Change License capability and shows active Essentials Plans licenses and availabile Advanced Add-On)	✔	✔	✔	✔	✔	✔	✔
Non-Compliant Devices	✔	✔	✔	✔	✔	✔	✔
Unlicensed Devices	✔	✔	✔	✔	✔	✔	✔
Subscriptions (includes total budgetary renewal cost for proactive budgeting)	✔	✔	✔	✔	✔	✔	✔
Product Last Date of Support	✔	✔	✔	✔	✔	✔	✔
Capacity Dashboard (with alerts)	✖	✖	✖	✖	✖	✖	✖
VPN Monitor	✖	✖	✖	✖	✖	✖	✖
Security Dashboard (Account, Device)	✖	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
CP Secure Web Filter Summary and Events	✖	✖	✖	✖	✖	✖	✖
CP Secure Threat Management (IDS/IPS) Events	✖	✖	✖	✖	✖	✖	✖
Default Password usage insights	✖	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Insights							
Account Insights: Failover Report (Account, Group)	✖	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Account Insights: NetCloud Summary Report (Account, Group)	✖	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
Network Insights: Data Usage Report	✔	✔	✔	✔	✔	✔	✔
Health Insights: Signal Strength Report	✔	✔	✔	✔	✔	✔	✔
Download Dashboard as CSV or PDF (dashboard dependent)	✔	✔	✔	✔	✔	✔	✔
Save, Schedule, and Share (Email) Custom Reports	✔	✔	✔	✔	✔	✔	✔
Extensibility & Integrations							
NetCloud Container Orchestrator	✖	✖	✖	✖	✖	✖	✖
NetCloud-delivered integrations							
AWS IoT Greengrass	✖	✖	✖	✖	✖	✖	✖
Microsoft Azure IoT Central	✖	✖	✖	✖	✖	✖	✖
Palo Alto Networks Prisma Access	✖	✖	✖	✖	✖	✖	✖
CloudShark	✔	✔	✔	✔	✔	✔	✔
Forward Thinking [4]	✔	✔	✔	✔	✔	✔	✔
Custom business applications running at the edge with NetCloud SDK	✔	✔	✔	✔	✔	✔	✔
NetCloud API	✔	✔	✔	✔	✔	✔	✔
GPS send-to-server							
1 default sentence	✖	✖	✖	✖	✖	✖	✖
5 configurable sentences	✖	✖	✖	✖	✖	✖	✖
Secure Cloud Management & Orchestration							
Individual Device Configuration							
View / Edit Device Configuration	✔	✔	✔	✔	✔	✔	✔
Clear Device Configuration	✔	✔	✔	✔	✔	✔	✔
Remote Reboot	✔	✔	✔	✔	✔	✔	✔
Restore to Factory Defaults	✔	✔	✔	✔	✔	✔	✔
Export Device List	✔	✔	✔	✔	✔	✔	✔

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Group Device Configuration							
View / Edit Group Configuration	✔	✔	✔	✔	✔	✔	✔
Export Group Device List	✔	✔	✔	✔	✔	✔	✔
Group NetCloud OS Updates	✔	✔	✔	✔	✔	✔	✔
Copy Configuration to Group	✔	✔	✔	✔	✔	✔	✔
WAN Network Interface Configuration							
View/Edit Network Interface Configuration	✔	✔	✔	✔	✔	✔	✔
Export Network Interface List	✔	✔	✔	✔	✔	✔	✔
Modem Configuration							
Modem Firmware Visibility & Management	✔	✔	✔	✔	✔	✔	✔
Modem Firmware Updates (one to multiple)	✔	✔	✔	✔	✔	✔	✔
Auto & Manual Modem Carrier Switching	✔	✔	✔	✔	✔	✔	✔
Scheduler							
NetCloud OS Updates	✔	✔	✔	✔	✔	✔	✔
Alerts & Logs							
Alert Management	✔	✔	✔	✔	✔	✔	✔
Alerts via Webhook	✔	✔	✔	✔	✔	✔	✔
Enhanced Logging (user, activity, debug, device, alert)	✔	✔	✔	✔	✔	✔	✔
Accounts & Users							
Manage Users	✔	✔	✔	✔	✔	✔	✔
Manage Permissions	✔	✔	✔	✔	✔	✔	✔
Identity Federation with SAML 2.0 (Active Directory Integration)	✔	✔	✔	✔	✔	✔	✔
Marketplace for in-app purchases	✔	✔	✔	✔	✔	✔	✔
Customer/Partner community access, depending on user type	✔	✔	✔	✔	✔	✔	✔
Mobile Apps							
Cradlepoint Verify (installation)	✔	✔	✔	✔	✔	✔	✔
NetCloud Mobile (management)	✔	✔	✔	✔	✔	✔	✔

Footnotes:
[2] Requires Captive Modem or managed accessory
[3] ODB-II adapter is required. IBR900 requires extensibility serial cable in addition to the OBD-II adapter.
[4] Only available on NetCloud US West Region