NetCloud Service Plan Features

NetCloud Feature	NetCloud Mobile Performance		NetCloud Mobile		
Endpoint	**R1900**	**R2100**	**R920**	**IBR900**	**IBR1700**
WAN					
Carrier Selection Intelligence	✔	✔	✔	✔	✔
Connection Manager					
Load Balancing	✔	✔	✔	✔	✔
Smart WAN Selection	✔	✔	✔	✔	✔
Advanced APN	✔	✔	✔	✔	✔
WAN Verify	✔	✔	✔	✔	✔
Failover/Failback	✔	✔	✔	✔	✔
WAN Connections					
5G	✔	✔	✔[2]	✘	✔[2]
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)	Advanced	Advanced	Advanced	✘	Advanced
Identifies up to 1000 known applications	Advanced	Advanced	Advanced	✘	Advanced
Cellular interface steering	Advanced	Advanced	Advanced	✘	Advanced
Dual-Ended Architecture (requires NetCloud Exchange Secure Connect)					
Policy-Based Application Traffic Steering (Network)	NCX SD-WAN	NCX SD-WAN	NCX SD-WAN	NCX SD-WAN	NCX SD-WAN
Identifies up to 3500 known applications	NCX SD-WAN	NCX SD-WAN	NCX SD-WAN	NCX SD-WAN	NCX SD-WAN
Cellular provider steering	NCX SD-WAN	NCX SD-WAN	NCX SD-WAN	NCX SD-WAN	NCX SD-WAN
Forward Error Correction (FEC) by Traffic Class	NCX SD-WAN	NCX SD-WAN	NCX SD-WAN	NCX SD-WAN	NCX SD-WAN
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	Advanced	Advanced	Advanced	✘	Advanced
DHCP Server / Relay	✔	✔	✔	✔	✔

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Endpoint	R1900	R2100	R920	IBR900	IBR1700
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	✔	✔	✔	✔	✔
WPA / WPA2 Enterprise (802.1x)	✔	✔	✔	✔	✔
WPA / WPA2/WPA3 Personal and Enterprise (802.1x)	✔	✔	✔	✔	✔
Smart Channel Selection	✔	✔	✔	✔	✔
HotSpot Services (Captive Portal)	✔	✔	✔	✔	✔
Edge Security					
Zone Firewall	✔	✔	✔	✔	✔
Application Aware Zone Firewall	Advanced	Advanced	Advanced	✖	Advanced
Basic URL Web Filtering (Permitted/Blocked list)	✔	✔	✔	✔	✔
Available DNS Layer Filtering with Cisco Umbrella	✔	✔	✔	✔	✔
CP Secure Threat Management (IPS/IDS)	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced	✖	Advanced or IPS & Web Filter
Actionable Alert on Threat Detection	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced	✖	Advanced or IPS & Web Filter
CP Secure Web Filter	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced	✖	Advanced or IPS & Web Filter
Web Classification and Categorization	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced	✖	Advanced or IPS & Web Filter
Web Reputation	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced	✖	Advanced or IPS & Web Filter
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	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect

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Endpoint	**R1900**	**R2100**	**R920**	**IBR900**	**IBR1700**
Name-based routing	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect
No default network level access	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect
Private NAT techniques	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect
Flow-level visibility	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect
Hybrid Mesh Firewall (HMF) -Early Access	NCX HMF	NCX HMF	NCX HMF	NCX HMF	NCX HMF
Zero Trust Remote Access (per user licensing)					
Integration with Corporate Identifty Provider authentication	NCX ZTNA	NCX ZTNA	NCX ZTNA	NCX ZTNA	NCX ZTNA
User attributes in access policy	NCX ZTNA	NCX ZTNA	NCX ZTNA	NCX ZTNA	NCX ZTNA
Remote access client	NCX ZTNA	NCX ZTNA	NCX ZTNA	NCX ZTNA	NCX ZTNA
Troubleshooting & Diagnostics					
Out-of-Band Management for access to non-Cradlepoint devices with console port	✔	✘	✔	✔	✔
In-band management for access to LAN connected 3rd party device UIs	✔	✔	✔	✔	✔
In-band management for clientless access to LAN connected PC/MAC devices (RDP/VNC)	Advanced	Advanced	Standard or Advanced	Standard	Standard or Advanced
Real-time Device Status via Remote Connect Local UI (router)	✔	✔	✔	✔	✔
Real-time Network Interface Status via Remote Connect Local UI (router)	✔	✔	✔	✔	✔
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	✔[4]	✘	✔[4]	✔[4]	✔[4]
Dashboard Analytics					
Account Dashboard	✔	✔	✔	✔	✔
Group Dashboard	✔	✔	✔	✔	✔
Device Dashboard	✔	✔	✔	✔	✔
Detailed Interface (Network, Ports, and Wi-Fi) view with Live Stats	✔	✔	✔	✔	✔
Detailed Interface (GPIO) view with Live Stats	✔	✔	✔	✔	✔
NetCloud Exchange Network Dashboard	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect
Latency, Data Usage, Packet Loss by Site	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect
Fault Detection (by Application, Site, User)	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect
SD-WAN QoE (Account)	NCX SD-WAN	NCX SD-WAN	NCX SD-WAN	NCX SD-WAN	NCX SD-WAN
Service Gateways (Device, Network)	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect	NCX Secure Connect
GeoView Dashboard (Account, Group, Device)	✔	✔	✔	✔	✔
Near Real-Time Last Known Map Location Based on GNSS/GPS	✔	✔	✔	✔	✔
Add Last Known Map Location Manually	✔	✔	✔	✔	✔
Approximate Last Known Map Location Based on Serving Cell Tower	Advanced	Advanced	Standard or Advanced	Standard	Standard or Advanced
Location of Serving Cell Tower	Advanced	Advanced	Standard or Advanced	Standard	Standard or Advanced
GeoFence Alerting	✔	✔	✔	✔	✔
5G/LTE Cellular Coverage Map with filter	Advanced	Advanced	Standard or Advanced	Standard	Standard or Advanced
Location Tracking	Advanced	Advanced	Standard or Advanced	Standard	Standard or Advanced
Cellular Data Usage Dashboard (Account)	✔	✔	✔	✔	✔
Pooled Carrier Data Usage Analytics, Forecasting, and Alerting	✔	✔	✔	✔	✔
Data Usage Dashboard (Account, Group, Device)					
Usage by WAN and Modem	✔	✔	✔	✔	✔

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Endpoint	**R1900**	**R2100**	**R920**	**IBR900**	**IBR1700**
Clients - Connected and Top Users (Account, Group, Device)	✔	✔	✔	✔	✔
Traffic - Categories and Applications (Account, Group, Device)	Advanced or NCX SD-WAN	Advanced or NCX SD-WAN	Advanced or NCX SD-WAN	NCX SD-WAN	Advanced or NCX SD-WAN
Health Dashboard (Account, Group, Device)	✔	✔	✔	✔	✔
WAN Uptime (uncategorized)	✔	✔	✔	✔	✔
WAN Uptime (categorized by WAN service type)	Advanced	Advanced	Standard or Advanced	Standard	Standard or Advanced
Devices Lifecycle (shows where software update is required)	✔	✔	✔	✔	✔
Cellular Health summary (Account)	Advanced	Advanced	Standard or Advanced	Standard	Standard or Advanced
Cellular Health with Live Stats (Device)	✔	✔	✔	✔	✔
Application and Interface WAN Quality of Experience (QoE)	Advanced	Advanced	Advanced	✘	Advanced
Traffic Steering for Events & Flows	Advanced or NCX SD-WAN	Advanced or NCX SD-WAN	Standard or Advanced or NCX SD-WAN	Standard or NCX SD-WAN	Standard or Advanced or NCX SD-WAN
Failover Events Summary	Advanced	Advanced	Standard or Advanced	Standard	Standard or Advanced
Active Failover Events	Advanced	Advanced	Standard or Advanced	Standard	Standard or Advanced
Service Gateway (Account)	NCX Secure Connect or NCX SD-WAN	NCX Secure Connect or NCX SD-WAN	NCX Secure Connect or NCX SD-WAN	NCX Secure Connect or NCX SD-WAN	NCX Secure Connect or NCX SD-WAN
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 or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced	✘	Advanced or IPS & Web Filter
CP Secure Web Filter Summary and Events	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced	✘	Advanced or IPS & Web Filter
CP Secure Threat Management (IDS/IPS) Events	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced	✘	Advanced or IPS & Web Filter
Default Password usage insights	Advanced or IPS & Web Filter	Advanced or IPS & Web Filter	Advanced	✘	Advanced or IPS & Web Filter
Insights					
Account Insights: Failover Report (Account, Group)	Advanced	Advanced	Standard or Advanced	Standard	Standard or Advanced
Account Insights: NetCloud Summary Report (Account, Group)	Advanced	Advanced	Standard or Advanced	Standard	Standard or 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	Advanced	Advanced	Advanced	✘	Advanced
NetCloud-delivered integrations					
AWS IoT Greengrass	Advanced	Advanced	Advanced	✘	Advanced
Microsoft Azure IoT Central	Advanced	Advanced	Standard or Advanced	Standard	Standard or Advanced
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	✔	✔	✔	✔	✔

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NetCloud Feature	NetCloud Mobile Performance		NetCloud Mobile		
Endpoint	**R1900**	**R2100**	**R920**	**IBR900**	**IBR1700**
Clear Device Configuration	✔	✔	✔	✔	✔
Remote Reboot	✔	✔	✔	✔	✔
Restore to Factory Defaults	✔	✔	✔	✔	✔
Export Device List	✔	✔	✔	✔	✔
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	3	3	3	3	3