



# NetCloud Branch Service Plan Features

The NetCloud Service for Branch, Branch Performance & Virtual Routing is available with the following recommended Advanced and Essential features. An Advanced plan requires a corresponding Essentials plan.

Recommended NetCloud Branch Advanced	Features <sup>3</sup>
<b>WAN</b>	
Application Aware QoS	✓
Application Aware Traffic Steering	✓
<b>Security</b>	
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	✓
Zscaler Internet Security	Optional and Sold Separately
<b>Remote Connect / Out-of-Band Management</b>	
LAN Manager for clientless access to LAN connected PC/MAC devices (RDP/VNC)	✓
<b>Visibility/Analytics</b>	
Health Dashboard (Account, Group, Device)	✓
Traffic Steering for Events & Flows	✓
Cellular Health	✓
Failover Events	✓
Application Traffic Dashboard (Account, Group, Device)	✓
Security Dashboard (Account, Device)	✓
CP Secure Web Filter Summary and Events	✓
Default Password usage insight	✓
<b>IoT Connectors</b>	
NetCloud Edge Connector for Microsoft Azure IoT Central	✓

NetCloud Branch Essentials	Features
<b>WAN</b>	
Connection Manager	✓
LTE <sup>1</sup>	✓
Private LTE <sup>4</sup>	✓
WiFi-as-WAN / Client <sup>1</sup>	✓
Smart WAN Selection	✓
Quality of Service (QoS)	✓
Traffic Steering	✓
<b>Enterprise Routing</b>	
Static Routes	✓
Policy Routes	✓
OSPF	✓
BGP	✓
RIP	✓
NHRP	✓
NEMO / DMNR	✓
IP Verify	✓
<b>VPN &amp; Tunneling</b>	
IPSec	✓

NetCloud Branch Essentials	Features
GRE	✓
OpenVPN (SSL VPN)	✓
L2TP	✓
Auto VPN	✓
Auto-Tunnels	✓
DMVPN	✓
<b>Security</b>	
Zone Firewall	✓
Basic URL Web filtering (White/Black list)	✓
NetCloud Perimeter	✓
<b>LAN</b>	
IPv4 & IPv6	✓
DHCP Server / Relay	✓
VRRP	✓
MAC Filtering and Logging	✓
IP Passthrough Mode <sup>1</sup>	✓
Wired 802.1x	✓
STP	✓
LLDP	✓
<b>WiFi</b>	
Multiple SSIDs <sup>1</sup>	✓
Wireless Security Modes <sup>1</sup>	✓
Open	✓
WEP	✓
WPA / WPA2 Personal	✓
WPA / WPA2 Enterprise (802.1x)	✓
Smart Channel Selection <sup>1</sup>	✓
HotSpot Services (Captive Portal) <sup>1</sup>	✓
<b>Remote Connect / Out-of-Band Management</b>	
Securely connect to device UI in any network architecture <sup>2</sup>	✓
Securely connect to device CLI in any network architecture	✓
Out-of-Band Management for Access to non-Cradlepoint devices with console port	✓
LAN Manager for access to LAN connected 3rd Party Device UIs <sup>2</sup>	✓
<b>Secure Remote Cloud Configuration</b>	
Individual Device Configuration	✓
View / Edit Device Configuration	✓
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 <sup>1</sup>	✓
Modem Firmware Visibility & Management <sup>1</sup>	✓
Modem Firmware Updates (one to multiple) <sup>1</sup>	✓
Auto & Manual Modem Carrier Switching <sup>1</sup>	✓
Scheduler	✓
NetCloud OS Updates	✓

NetCloud Branch Essentials	Features
<b>Real-Time Diagnostics / Troubleshooting</b>	
Basic Real-Time Device Status	✓
Advanced Real-Time Device Status	✓
Basic Network Interface Status	✓
Advanced Network Interface Status	✓
Ping	✓
Traceroute	✓
Speed Test per WAN Interface	✓
Rogue AP Detection <sup>1</sup>	✓
WiFi Site Survey <sup>1</sup>	✓
<b>Visibility / Analytics</b>	
Account Dashboard	✓
Group Dashboard	✓
Device Dashboard	✓
GeoView Dashboard (Account, Group, Device)	✓
Near Real-Time Last Known Map Location	✓
GeoFence Alerting	✓
Modem Data Usage Dashboard <sup>1</sup> (Account)	✓
Pooled Carrier Data Usage Analytics, Forecasting, and Alerting <sup>1</sup>	✓
Data Usage Dashboard (Group, Device)	✓
Client Dashboard (Account, Group, Device)	✓
Health Dashboard (Account, Group, Device)	✓
WAN Uptime <sup>3</sup>	✓
Devices Lifecycle (shows where software update is required)	✓
License Dashboard (Device)	✓
Subscription Dashboard (Account)	✓
Capacity Dashboard (with alerts) <sup>5</sup>	✓
<b>Alerts / Reports / Logs</b>	
Alert Management	✓
Network, Group, Device Reporting	✓
Activity Audit Log	✓
Device Log	✓
Debug Diagnostic Data Log	✓
User Activity Log	✓
<b>Extensibility</b>	
Custom business applications running at the edge with NCOS SDK <sup>2</sup>	✓
NetCloud API	✓
<b>Accounts &amp; Users</b>	
Manage Users	✓
Manage Permissions	✓
Identity Federation with SAML 2.0 (Active Directory Integration)	✓
Single Sign On (SSO) to all Cradlepoint Services	✓
<sup>1</sup> Not available on CR4250/CVR	
<sup>2</sup> Not available on AER2200 FIPS	
<sup>3</sup> Not available on CVR	
<sup>4</sup> Only on endpoints with an embedded or modular 1200M-B modem	
<sup>5</sup> Only on CR4250 and AER2200	



## NetCloud Branch Access Service Plan Features

The NetCloud Service for Access Points includes the following Essential features.

NOTE – Access Points come with the Essentials package; however, APs must be deployed with a Branch endpoint with an NetCloud Essentials Plan and/or the Advanced plan.

NetCloud Branch Access Essentials	Features
<b>LAN</b>	
IPv4 & IPv6	✓
<b>WiFi</b>	
Multiple SSIDs	✓
Wireless Security Modes	✓
Open	✓
WEP	✓
WPA / WPA2 Personal	✓
WPA / WPA2 Enterprise (802.1x)	✓
Smart Channel Selection	✓
HotSpot Services (Captive Portal)	✓
<b>Secure Remote Cloud Configuration</b>	
Individual Device Configuration	✓
View / Edit Device Configuration	✓
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	✓
Scheduler	✓
NetCloud OS Updates	✓
<b>Real-Time Diagnostics / Troubleshooting</b>	
Basic Real-Time Device Status	✓
Advanced Real-Time Device Status	✓
Basic Network Interface Status	✓
Advanced Network Interface Status	✓
Ping	✓
Traceroute	✓
Rogue AP Detection	✓
WiFi Site Survey	✓
<b>Visibility / Analytics</b>	
Account Dashboard	✓
Group Dashboard	✓
Device Dashboard	✓
<b>Alerts / Reports / Logs</b>	
Alert Management	✓
Network, Group, Device Reporting	✓
Activity Audit Log	✓
Device Log	✓
Debug Diagnostic Data Log	✓
User Activity Log	✓
<b>Extensibility</b>	
Custom business applications running at the edge with NCOS SDK	✓
NetCloud API	✓
<b>Accounts &amp; Users</b>	
Manage Users	✓
Manage Permissions	✓
Identity Federation with SAML 2.0 (Active Directory Integration)	✓
Single Sign On (SSO) to all Cradlepoint Services	✓



# NetCloud Branch Adapter Service Plan Features

The NetCloud Service for LTE Adapters includes the following recommended Advanced and Essential features.

The NetCloud Branch LTE Adapter Service with the Advanced plan requires a corresponding Essentials plan. **The Advanced plan is only available on the CBA850.**

Recommended NetCloud Branch LTE Adapter Advanced	Features <sup>1</sup>
<b>Remote Connect / Out-of-Band Management</b>	
Securely connect to device UI in any network architecture	✓
Securely connect to device CLI in any network architecture	✓
Out-of-Band Management for Access to non-Cradlepoint devices with console port	✓
LAN Manager for access to LAN connected 3rd Party Device UIs	✓
LAN Manager for clientless access to LAN connected PC/MAC devices (RDP/VNC)	✓
<b>Real-Time Diagnostics / Troubleshooting</b>	
Advanced Real-Time Device Status	✓
Advanced Network Interface Status	✓
<b>Visibility / Analytics</b>	
GeoView Dashboard (Account, Group, Device)	✓
Near Real-Time Last Known Map Location	✓
GeoFence Alerting	✓
Modem Data Usage Dashboard (Account)	✓
Pooled Carrier Data Usage Analytics, Forecasting, and Alerting	✓
Health Dashboard (Account, Group, Device)	✓
WAN Uptime	✓
Cellular Health	✓
Failover Events	✓
Security Dashboard (Account, Device)	✓
Default Password usage insight	✓

NetCloud Branch LTE Adapter Essentials	Features
<b>WAN</b>	
Connection Manager	✓
LTE	✓
Private LTE <sup>3</sup>	✓
WiFi-as-WAN / Client	
Smart WAN Selection <sup>2</sup>	✓
Ethernet WAN for inline failover <sup>2</sup>	✓
Quality of Service (QoS)	✓
Application Aware QoS	

NetCloud Branch LTE Adapter Essentials	Features
Traffic Steering <sup>2</sup>	✓
<b>Enterprise Routing</b>	
Static Routes	✓
<b>Security</b>	
Zone Firewall	✓
Basic URL Web filtering (White/Black list)	✓
NetCloud Perimeter	✓
<b>LAN</b>	
IPv4 & IPv6	✓
DHCP Server / Relay	✓
IP Passthrough Mode	✓
<b>Secure Remote Cloud Configuration</b>	
Individual Device Configuration	✓
View / Edit Device Configuration	✓
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	✓
<b>Real-Time Diagnostics / Troubleshooting</b>	
Basic Real-Time Device Status	✓
Basic Network Interface Status	✓
Ping	✓
Traceroute	✓
Speed Test per WAN Interface	✓
<b>Visibility / Analytics</b>	
Account Dashboard	✓
Group Dashboard	✓
Device Dashboard	✓
Data Usage Dashboard (Group, Device)	✓

NetCloud Branch LTE Adapter Essentials	Features
Health Dashboard (Account, Group, Device)	✓
Devices Lifecycle (shows where software update is required)	✓
License Dashboard (Device)	✓
Subscription Dashboard (Account)	✓
<b>Alerts / Reports / Logs</b>	
Alert Management	✓
Network, Group, Device Reporting	✓
Activity Audit Log	✓
Device Log	✓
Debug Diagnostic Data Log	✓
User Activity Log	✓
<b>Extensibility</b>	
Custom business applications running at the edge with NCOS SDK	✓
NetCloud API	✓
<b>Accounts &amp; Users</b>	
Manage Users	✓
Manage Permissions	✓
Identity Federation with SAML 2.0 (Active Directory Integration)	✓
Single Sign On (SSO) to all Cradlepoint Services	✓
<sup>1</sup> Advanced Plan is only available on the CBA850	
<sup>2</sup> Available only on the CBA850	
<sup>3</sup> Only on endpoints with an embedded or modular 1200M-B modem	



# NetCloud Mobile Service Plan Features

The NetCloud Mobile Service is available with the following recommended Advanced and Essentials features.

The NetCloud Mobile Service with an Advanced plan requires a corresponding Essentials plan.

Recommended NetCloud Mobile Advanced	Features
<b>WAN</b>	
Application Aware QoS	✓
Application Aware Traffic Steering	✓
<b>Security</b>	
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	✓
Zscaler Internet Security	Optional and Sold Separately
<b>Remote Connect / Out-of-Band Management</b>	
LAN Manager for clientless access to LAN connected PC/MAC devices (RDP/VNC)	✓
<b>Visibility / Analytics</b>	
GeoView Dashboard (Account, Group, Device)	✓
Location Tracking	✓
Health Dashboard (Account, Group, Device)	✓
Traffic Steering for Events & Flows	✓
Cellular Health	✓
Failover Events	✓
Application Traffic Dashboard (Account, Group, Device)	✓
Security Dashboard (Account, Device)	✓
CP Secure Web Filter Summary and Events	✓
Default Password usage insight	✓
<b>IoT Connectors</b>	
NetCloud Edge Connector for Microsoft Azure IoT Central	✓

NetCloud Mobile Essentials	Features
<b>WAN</b>	
Connection Manager	✓
LTE	✓
Private LTE <sup>3</sup>	✓
WiFi-as-WAN / Client	✓
Smart WAN Selection	✓
Quality of Service (QoS)	✓
Traffic Steering	✓
<b>Enterprise Routing</b>	
Static Routes	✓
Policy Routes	✓
OSPF	✓
BGP	✓
RIP	✓
NHRP	✓
NEMO / DMNR	✓
IP Verify	✓



NetCloud Mobile Essentials	Features
<b>VPN &amp; Tunneling</b>	
IPSec	✓
GRE	✓
OpenVPN (SSL VPN)	✓
L2TP	✓
Auto VPN	✓
Auto-Tunnels	✓
DMVPN	✓
<b>Security</b>	
Zone Firewall	✓
Basic URL Web filtering (White/Black list)	✓
NetCloud Perimeter	✓
<b>LAN</b>	
IPv4 & IPv6	✓
DHCP Server / Relay	✓
VRRP	✓
MAC Filtering and Logging	✓
IP Passthrough Mode	✓
Wired 802.1x	✓
STP	✓
LLDP	✓
<b>WiFi</b>	
Multiple SSIDs	✓
Wireless Security Modes	✓
Open	✓
WEP	✓
WPA / WPA2 Personal	✓
WPA / WPA2 Enterprise (802.1x)	✓
Smart Channel Selection	✓
HotSpot Services (Captive Portal)	✓
<b>Remote Connect / Out-of-Band Management</b>	
Securely connect to device UI in any network architecture <sup>2</sup>	✓
Securely connect to device CLI in any network architecture	✓
Out-of-Band Management for Access to non-Cradlepoint devices with console port	✓
LAN Manager for Access to LAN connected 3rd Party Device UIs <sup>2</sup>	✓
<b>Secure Remote Cloud Configuration</b>	
Individual Device Configuration	✓
View / Edit Device Configuration	✓
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	✓

NetCloud Mobile Essentials		Features
Scheduler		✓
NetCloud OS Updates		✓
<b>Real-Time Diagnostics / Troubleshooting</b>		
Basic Real-Time Device Status		✓
Advanced Real-Time Device Status		✓
Basic Network Interface Status		✓
Advanced Network Interface Status		✓
Ping		✓
Traceroute		✓
Speed Test per WAN Interface		✓
Rogue AP Detection		✓
WiFi Site Survey		✓
OBD-II Support <sup>1</sup>		✓
<b>Visibility / Analytics</b>		
Account Dashboard		✓
Group Dashboard		✓
Device Dashboard		✓
GeoView Dashboard (Account, Group, Device)		✓
Near Real-Time Last Known Map Location		✓
GeoFence Alerting		✓
Modem Data Usage Dashboard (Account)		✓
Pooled Carrier Data Usage Analytics, Forecasting, and Alerting		✓
Data Usage Dashboard (Group, Device)		✓
Client Dashboard (Account, Group, Device)		✓
Health Dashboard (Account, Group, Device)		✓
WAN Uptime		✓
Devices Lifecycle (shows where software update is required)		✓
License Dashboard (Device)		✓
Subscription Dashboard (Account)		✓
<b>Alerts / Reports / Logs</b>		
Alert Management		✓
Network, Group, Device Reporting		✓
Activity Audit Log		✓
Device Log		✓
Debug Diagnostic Data Log		✓
User Activity Log		✓
<b>Extensibility</b>		
Custom business applications running at the edge with NCOS SDK <sup>2</sup>		✓
NetCloud API		✓
<b>Accounts &amp; Users</b>		
Manage Users		✓
Manage Permissions		✓
Identity Federation with SAML 2.0 (Active Directory Integration)		✓
Single Sign On (SSO) to all Cradlepoint Services		✓
<sup>1</sup> IBR900/1700 requires OBD-II adapter to function. IBR900 requires extensibility serial cable in addition to the OBD-II adapter.		
<sup>2</sup> Not available on the IBR900 FIPS and IBR1700 FIPS		
<sup>3</sup> Only on IBR1700-1200M-B or IBR900 w/ dock and MC400-1200M-B		



# NetCloud IoT Service Plan Features

The NetCloud IoT Service is available with the following recommended Advanced and Essentials features. The NetCloud IoT Service with an Advanced plan requires a corresponding Essentials plan.

Recommended NetCloud IoT Advanced	Features
<b>VPN &amp; Tunneling</b>	
OpenVPN (SSL VPN) <sup>1</sup>	✓
L2TP <sup>1</sup>	✓
Auto-Tunnels <sup>2</sup>	✓
DMVPN <sup>1</sup>	✓
<b>Security</b>	
Zscaler Internet Security <sup>1</sup>	Optional and Sold Separately
<b>LAN</b>	
VRRP <sup>1</sup>	✓
STP <sup>1</sup>	✓
<b>Remote Connect / Out-of-Band Management</b>	
Securely connect to device UI in any network architecture	✓
Securely connect to device CLI in any network architecture	✓
Out-of-Band Management for Access to non-Cradlepoint devices with console port	✓
LAN Manager for access to LAN connected 3rd Party Device UIs	✓
LAN Manager for clientless access to LAN connected PC/MAC devices (RDP/VNC)	✓
<b>Real-Time Diagnostics / Troubleshooting</b>	
Advanced Real-Time Device Status	✓
Advanced Network Interface Status	✓
<b>Visibility / Analytics</b>	
GeoView Dashboard (Account, Group, Device)	✓
Near Real-Time Last Known Map Location	✓
GeoFence Alerting	✓
Health Dashboard (Account, Group, Device)	✓
WAN Uptime	✓
Cellular Health	✓
Failover Events	✓
Security Dashboard (Account, Device)	✓
Default Password usage insight	✓
Client Dashboard (Account, Group, Device)	✓
Modem Data Usage Dashboard (Account)	✓
Pooled Carrier Data Usage Analytics, Forecasting, and Alerting	✓
<b>IoT Connectors</b>	
NetCloud Edge Connector for Microsoft Azure IoT Central	✓
<b>NetCloud IoT Essentials</b>	<b>Features</b>
<b>WAN</b>	
Connection Manager	✓
LTE	✓

NetCloud IoT Essentials	Features
WiFi-as-WAN	✓
Wireless Client <sup>2</sup>	✓
Smart WAN Selection	✓
Quality of Service (QoS)	✓
Traffic Steering	✓
<b>Enterprise Routing</b>	
Static Routes	✓
Policy Routes <sup>1</sup>	✓
OSPF <sup>1</sup>	✓
BGP <sup>1</sup>	✓
RIP <sup>1</sup>	✓
NHRP <sup>1</sup>	✓
NEMO / DMNR	✓
IP Verify	✓
<b>VPN &amp; Tunneling</b>	
IPSec	✓
GRE	✓
Auto VPN	✓
<b>Security</b>	
Zone Firewall	✓
Basic URL Web filtering (White/Black list)	✓
NetCloud Perimeter	✓
<b>LAN</b>	
IPv4 & IPv6	✓
DHCP Server / Relay	✓
IP Passthrough Mode	✓
<b>WiFi</b>	
Multiple SSIDs	✓
Wireless Security Modes	✓
Open	✓
WEP	✓
WPA / WPA2 Personal	✓
WPA / WPA2 Enterprise (802.1x)	✓
Smart Channel Selection	✓
HotSpot Services (Captive Portal) <sup>1</sup>	✓
<b>Secure Remote Cloud Configuration</b>	
Individual Device Configuration	✓
View / Edit Device Configuration	✓
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	✓

NetCloud IoT Essentials	Features
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 <sup>1</sup>	✓
Scheduler	✓
NetCloud OS Updates	✓
<b>Real-Time Diagnostics / Troubleshooting</b>	
Basic Real-Time Device Status	✓
Basic Network Interface Status	✓
Ping	✓
Traceroute	✓
Speed Test per WAN Interface	✓
Rogue AP Detection	✓
WiFi Site Survey	✓
<b>Visibility / Analytics</b>	
Account Dashboard	✓
Group Dashboard	✓
Device Dashboard	✓
Data Usage Dashboard (Group, Device)	✓
Health Dashboard (Account, Group, Device)	✓
Devices Lifecycle (shows where software update is required)	✓
License Dashboard (Device)	✓
Subscription Dashboard (Account)	✓
<b>Alerts / Reports / Logs</b>	
Alert Management	✓
Network, Group, Device Reporting	✓
Activity Audit Log	✓
Device Log	✓
Debug Diagnostic Data Log	✓
User Activity Log	✓
<b>Extensibility</b>	
Custom business applications running at the edge with NCOS SDK	✓
NetCloud API	✓
<b>Accounts &amp; Users</b>	
Manage Users	✓
Manage Permissions	✓
Identity Federation with SAML 2.0 (Active Directory Integration)	✓
Single Sign On (SSO) to all Cradlepoint Services	✓
<sup>1</sup> Not available on IBR200	
<sup>2</sup> Only available on the IBR600C	