

# NetCloud Solution Package Comparison

This document illustrates the features included in Essentials and Advanced for the NetCloud Solution Packages.

## Branch Routing (BAX)

Functionality	Essentials (Prime)	Essentials + Advanced (Enterprise)
<b>WAN</b>		
Connection Manager	✓	✓
LTE	✓	✓
WiFi-as-WAN / Client	✓	✓
Smart WAN Selection	✓	✓
QoS	✓	✓
WAN Affinity	✓	✓
<b>LAN</b>		
IPv4 & IPv6	✓	✓
DHCP Server	✓	✓
DHCP Relay	✓	✓
1024 VLANs	✓	✓
VRRP	✓	✓
<b>WIFI</b>		
Multiple SSIDs	✓	✓
WEP	✓	✓
WPA / WPA2 Personal	✓	✓
WPA / WPA2 Enterprise	✓	✓
Smart Channel Selection	✓	✓
HotSpot Services	✓	✓
<b>Enterprise Routing</b>		
Static Routes	✓	✓
Policy Routes	✓	✓
OSPF	✓	✓
BGP	✓	✓
RIP	✓	✓
VRRP	✓	✓
STP	✓	✓
NHRP	✓	✓
NEMO / DMNR Primary	✓	✓
NEMO / DMNR Failover	✓	✓
Linked Router Management (LLDP)	✓	✓
DMVPN / NHRP	✓	✓
<b>VPN &amp; Tunneling</b>		
IPSec	✓	✓
GRE	✓	✓
OpenVPN (SSL VPN )	✓	✓
L2TP	✓	✓
<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	✓	✓
<b>Security</b>		
Zone Firewall	✓	✓
Application Aware Firewall		✓
Application Aware QoS		✓
Basic URL filtering (White/Black list)	✓	✓
Threat Intelligence	✓	✓
Web Reputation	✓	✓
Activity Audit Log	✓	✓
NetCloud Perimeter	✓	✓
CP Secure Web Filter		✓
CP Secure Threat Management (IPS/IDS optional package)	✓	✓
Zscaler Internet Security (optional package)	✓	✓
<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	✓	✓
Auto & Manual Modem Carrier Switching	✓	✓
Scheduler	✓	✓
NetCloud OS Updates	✓	✓

Real-Time Diagnostics / Troubleshooting		
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	✓	✓
Device Log	✓	✓
Debug Diagnostic Data Log	✓	✓
User Activity Log	✓	✓
Rogue AP Detection	✓	✓
WiFi Site Survey	✓	✓

Visibility / Analytics		
Network Dashboard	✓	✓
Group Dashboard	✓	✓
Device Dashboard	✓	✓
LAN Client Dashboard	✓	✓
WAN Data Usage	✓	✓
Modem / Carrier (Pooled) Data Usage Analytics	✓	✓
WAN Uptime Analytics	✓	✓
Application Traffic Analytics		✓

GeoView Location Services		
Device Map Location with quick view status	✓	✓
Geo-Fence Alerting for physical security	✓	✓

Alerts / Reports		
Alert Management	✓	✓
Network, Group, Device Reporting	✓	✓
Activity Audit Log	✓	✓

Extensibility		
Custom business applications running at the edge with NCOS SDK	✓	✓
NetCloud API	✓	✓

Accounts & Users		
Manage Users	✓	✓
Manage Permissions	✓	✓
Active Directory Domain Authentication (Federated ID)	✓	✓
Single Sign On (SSO) to all Cradlepoint Services	✓	✓

# NetCloud Solution Package Comparison

This document illustrates the features included in Essentials and Advanced for the NetCloud Solution Packages.

## Branch Access Point (BCx)

**NOTE – Access Points come with the Essentials package; however, APs must be deployed with either an Essential or Advanced Branch Router which extends those Router features.**

Functionality	AP Essentials (Prime)	With Branch Router Essentials (Prime)	With Branch Router Essentials + Advanced (Enterprise)
<b>WAN</b>			
Connection Manager	✓	✓	✓
LTE	✓	✓	✓
WiFi-as-WAN / Client	✓	✓	✓
Smart WAN Selection	✓	✓	✓
QoS	✓	✓	✓
WAN Affinity	✓	✓	✓
<b>LAN</b>			
IPv4 & IPv6	✓	✓	✓
DHCP Server	✓	✓	✓
DHCP Relay	✓	✓	✓
1024 VLANs	✓	✓	✓
VRRP	✓	✓	✓
<b>WIFI</b>			
Multiple SSIDs	✓	✓	✓
WEP	✓	✓	✓
WPA / WPA2 Personal	✓	✓	✓
WPA / WPA2 Enterprise	✓	✓	✓
Smart Channel Selection	✓	✓	✓
HotSpot Services	✓	✓	✓
<b>Enterprise Routing</b>			
Static Routes	✓	✓	✓
Policy Routes	✓	✓	✓
OSPF	✓	✓	✓
BGP	✓	✓	✓
RIP	✓	✓	✓
VRRP	✓	✓	✓
STP	✓	✓	✓
NHRP	✓	✓	✓
NEMO / DMNR Primary	✓	✓	✓
NEMO / DMNR Failover	✓	✓	✓
Linked Router Management (LLDP)	✓	✓	✓
DMVPN / NHRP	✓	✓	✓
<b>VPN &amp; Tunneling</b>			
IPSec	✓	✓	✓
GRE	✓	✓	✓
OpenVPN (SSL VPN)	✓	✓	✓
L2TP	✓	✓	✓
<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	✓	✓	✓
<b>Security</b>			
Zone Firewall	✓	✓	✓
Application Aware Firewall			✓
Application Aware QoS			✓
Basic URL filtering (White/Black list)	✓	✓	✓
Threat Intelligence	✓	✓	✓
Web Reputation	✓	✓	✓
Activity Audit Log	✓	✓	✓
NetCloud Perimeter	✓	✓	✓
CP Secure Web Filter			✓
CP Secure Threat Management (IPS/IDS optional package)	✓	✓	✓
Zscaler Internet Security (optional package)	✓	✓	✓
<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	NA	NA	NA
Modem Firmware Visibility & Management	NA	NA	NA
Modem Firmware Updates	NA	NA	NA
Auto & Manual Modem Carrier Switching	NA	NA	NA
Scheduler	✓	✓	✓
NetCloud OS Updates	✓	✓	✓

Real-Time Diagnostics / Troubleshooting			
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	NA	✓	✓
Device Log	✓	✓	✓
Debug Diagnostic Data Log	✓	✓	✓
User Activity Log	✓	✓	✓
Rogue AP Detection	✓	✓	✓
WiFi Site Survey	✓	✓	✓

Visibility / Analytics			
Network Dashboard	✓	✓	✓
Group Dashboard	✓	✓	✓
Device Dashboard	✓	✓	✓
LAN Client Dashboard	NA	✓	✓
WAN Data Usage	NA	✓	✓
Modem / Carrier (Pooled) Data Usage Analytics	NA	✓	✓
WAN Uptime Analytics	NA	✓	✓
Application Traffic Analytics	NA	✓	✓

GeoView Location Services			
Device Map Location with quick view status	✓	✓	✓
Geo-Fence Alerting for physical security	✓	✓	✓

Alerts / Reports			
Alert Management	✓	✓	✓
Network, Group, Device Reporting	✓	✓	✓
Activity Audit Log	✓	✓	✓

Extensibility			
Custom business applications running at the edge with NCOS SDK	✓	✓	✓
NetCloud API	✓	✓	✓

Accounts & Users			
Manage Users	✓	✓	✓
Manage Permissions	✓	✓	✓
Active Directory Domain Authentication (Federated ID)	✓	✓	✓
Single Sign On (SSO) to all Cradlepoint Services	✓	✓	✓

# NetCloud Solution Package Comparison

This document illustrates the features included in Essentials and Advanced for the NetCloud Solution Packages.

## Branch LTE Adapter (BBx)

Functionality	Essentials (Standard)	Essentials + Advanced (Prime)
<b>WAN</b>		
Connection Manager	✓	✓
LTE	✓	✓
WiFi-as-WAN / Client	NA	NA
Smart WAN Selection	✓	✓
QoS	✓	✓
WAN Affinity	✓	✓
<b>LAN</b>		
IPv4 & IPv6	✓	✓
DHCP Server	✓	✓
DHCP Relay	✓	✓
1024 VLANs	✓	✓
VRRP	NA	NA
<b>WIFI</b>		
Multiple SSIDs	NA	NA
WEP	NA	NA
WPA / WPA2 Personal	NA	NA
WPA / WPA2 Enterprise	NA	NA
Smart Channel Selection	NA	NA
HotSpot Services	NA	NA
<b>Enterprise Routing</b>		
Static Routes	✓	✓
Policy Routes	✓	✓
OSPF	NA	NA
BGP	NA	NA
RIP	NA	NA
VRRP	NA	NA
STP	NA	NA
NHRP	NA	NA
NEMO / DMNR Primary	NA	NA
NEMO / DMNR Failover	NA	NA
Linked Router Management (LLDP)	NA	NA
DMVPN / NHRP	NA	NA
<b>VPN &amp; Tunneling</b>		
IPSec	NA	NA
GRE	NA	NA
OpenVPN (SSL VPN)	NA	NA
L2TP	NA	NA
<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		✓
<b>Security</b>		
Zone Firewall	✓	✓
Application Aware Firewall	NA	NA
Application Aware QoS	NA	NA
Basic URL filtering (White/Black list)	✓	✓
Threat Intelligence	✓	✓
Web Reputation	✓	✓
Activity Audit Log	✓	✓
NetCloud Perimeter	✓	✓
CP Secure Web Filter	NA	NA
CP Secure Threat Management (IPS/IDS optional package)	NA	NA
Zscaler Internet Security (optional package)	✓	✓
<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	✓	✓
Auto & Manual Modem Carrier Switching	✓	✓
Scheduler	✓	✓
NetCloud OS Updates	✓	✓

Real-Time Diagnostics / Troubleshooting		
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	✓	✓
Device Log	✓	✓
Debug Diagnostic Data Log	✓	✓
User Activity Log	✓	✓
Rogue AP Detection	✓	✓
WiFi Site Survey	NA	NA

Visibility / Analytics		
Network Dashboard	✓	✓
Group Dashboard	✓	✓
Device Dashboard	✓	✓
LAN Client Dashboard		✓
WAN Data Usage	✓	✓
Modem / Carrier (Pooled) Data Usage Analytics		✓
WAN Uptime Analytics		✓
Application Traffic Analytics		

GeoView Location Services		
Device Map Location with quick view status		✓
Geo-Fence Alerting for physical security		✓

Alerts / Reports		
Alert Management	✓	✓
Network, Group, Device Reporting	✓	✓
Activity Audit Log	✓	✓

Extensibility		
Custom business applications running at the edge with NCOS SDK	✓	✓
NetCloud API	✓	✓

Accounts & Users		
Manage Users	✓	✓
Manage Permissions	✓	✓
Active Directory Domain Authentication (Federated ID)	✓	✓
Single Sign On (SSO) to all Cradlepoint Services	✓	✓