# NetCloud Management Features
## Internet Failover Solutions

| | L950 4G Adapter | W1850 5G Adapter |
|---|---|---|
| **WAN** | | |
| Carrier Selection Intelligence | Essentials & Advanced | Essentials & Advanced |
| **Connection Manager** | | |
| Load Balancing | Essentials & Advanced | Essentials & Advanced |
| Smart WAN Selection | Essentials & Advanced | Essentials & Advanced |
| Advanced APN | Essentials & Advanced | Essentials & Advanced |
| WAN Verify | Essentials & Advanced | Essentials & Advanced |
| Failover/Failback | Essentials & Advanced | Essentials & Advanced |
| **WAN Connections** | | |
| 5G | N/A | Essentials & Advanced |
| LTE | Essentials & Advanced | Essentials & Advanced |
| CBRS | Essentials & Advanced | Essentials & Advanced |
| Wired Ethernet | Essentials & Advanced | Essentials & Advanced |
| **SD-WAN** | | |
| **Single-Sided Architecture (Edge only)** | | |
| Static Traffic Steering (Device or Group) | Essentials & Advanced | Essentials & Advanced |
| **Enterprise Routing** | | |
| Static Routes | Essentials & Advanced | Essentials & Advanced |
| **LAN** | | |
| IPv4 & IPv6 | Essentials & Advanced | Essentials & Advanced |
| Quality of Service (QoS) | Essentials & Advanced | Essentials & Advanced |
| DHCP  Server / Relay | Essentials & Advanced | Essentials & Advanced |
| IP Passthrough Mode | Essentials & Advanced | Essentials & Advanced |
| VLANS | Essentials & Advanced | Essentials & Advanced |
| **Edge Security** | | |
| Zone Firewall | Essentials & Advanced | Essentials & Advanced |
| Basic URL Web Filtering (White/Black list) | Essentials & Advanced | Essentials & Advanced |
| Avaailable DNS Layer Filtering with Cisco Umbrella | Essentials & Advanced | Essentials & Advanced |
| **Troubleshooting & Diagnostics** | | |
| Out-of-Band Management for access to non-Cradlepoint devices with console port | Advanced | Advanced |
| In-band management for access to LAN connected 3rd party device UIs | Advanced | Advanced |
| In-band management for clientless access to LAN connected PC/MAC devices (RDP/VNC) | Advanced | Advanced |
| Real-time Device Status via Remote Connect Local UI (router) | Advanced | Advanced |
| Real-time Network Interface Status via Remote Connect Local UI (router) | Advanced | Advanced |
| Current Device Status via NetCloud Device Dashboard | Essentials & Advanced | Essentials & Advanced |
| Current Network Interface Status via NetCloud Device Dashboard | Essentials & Advanced | Essentials & Advanced |
| Ping | Essentials & Advanced | Essentials & Advanced |
| Traceroute | Essentials & Advanced | Essentials & Advanced |
| Global Speed Test per WAN Interface | Essentials & Advanced | Essentials & Advanced |
| **Dashboard Analytics** | | |
| Account Dashboard | Essentials & Advanced | Essentials & Advanced |
| Group Dashboard | Essentials & Advanced | Essentials & Advanced |
| Device Dashboard | Essentials & Advanced | Essentials & Advanced |
| Detailed Interface (Network, Ports, and Wi-Fi) view with Live Stats | Essentials & Advanced | Essentials & Advanced |
| GeoView Dashboard (Account, Group, Device) | Advanced | Advanced |
| Near Real-Time Last Known Map Location Based on GNSS/GPS | Advanced | Advanced |
| Add Last Known Map Location Manually | Advanced | Advanced |
| Approximate Last Known Map Location Based on Serving Cell Tower | Advanced | Advanced |
| Location of Serving Cell Tower | Advanced | Advanced |
| GeoFence Alerting | Advanced | Advanced |
| Cellular Data Usage Dashboard (Account) | Advanced | Advanced |
| Pooled Carrier Data Usage Analytics, Forecasting, and Alerting | Advanced | Advanced |
| **Data Usage Dashboard (Account, Group, Device)** | | |
| Usage by WAN and Modem | Essentials & Advanced | Essentials & Advanced |
| Health Dashboard (Account, Group, Device) | Essentials & Advanced | Essentials & Advanced |
| WAN Uptime (categorized by WAN service type) | Advanced | Advanced |

| Feature | Plan 1 | Plan 2 |
|---|---|---|
| Devices Lifecycle (shows where software update is required) | Essentials & Advanced | Essentials & Advanced |
| Cellular Health summary (Account) | **Advanced** | **Advanced** |
| Cellular Health with Live Stats (Device) | Essentials & Advanced | Essentials & Advanced |
| Failover Events Summary | **Advanced** | **Advanced** |
| Active Failover Events | **Advanced** | **Advanced** |
| License Dashboard (Device) | Essentials & Advanced | Essentials & Advanced |
| Subscription Dashboard (Account) | Essentials & Advanced | Essentials & Advanced |
| Licensed Devices (allows Change License capability and shows active Essentials Plans licenses and availabile Advanced Add-On) | Essentials & Advanced | Essentials & Advanced |
| Non-Compliant Devices | Essentials & Advanced | Essentials & Advanced |
| Unlicensed Devices | Essentials & Advanced | Essentials & Advanced |
| Subscriptions (includes total budgetary renewal cost for proactive budgeting) | Essentials & Advanced | Essentials & Advanced |
| Product Last Date of Support | Essentials & Advanced | Essentials & Advanced |
| Security Dashboard (Account, Device) | **Advanced** | **Advanced** |
| Default Password usage insights | **Advanced** | **Advanced** |

## Insights

| | | |
|---|---|---|
| Account Insights: Failover Report (Account, Group) | **Advanced** | **Advanced** |
| Account Insights: NetCloud Summary Report (Account, Group) | **Advanced** | **Advanced** |
| Network Insights: Data Usage Report | Essentials & Advanced | Essentials & Advanced |
| Health Insights: Signal Strength Report | Essentials & Advanced | Essentials & Advanced |
| Download Dashboard as CSV or PDF (dashboard dependent) | Essentials & Advanced | Essentials & Advanced |
| Save,  Schedule, and Share (Email) Custom Reports | Essentials & Advanced | Essentials & Advanced |

## Extensibility & Integrations

### NetCloud-delivered integrations

| | | |
|---|---|---|
| CloudShark | Essentials & Advanced | Essentials & Advanced |
| Forward Thinking 4 | Essentials & Advanced | Essentials & Advanced |
| Custom business applications running at the edge with NetCloud SDK | Essentials & Advanced | Essentials & Advanced |
| NetCloud API | Essentials & Advanced | Essentials & Advanced |

## Secure Cloud Management & Orchestration

### Individual Device Configuration

| | | |
|---|---|---|
| View / Edit Device Configuration | Essentials & Advanced | Essentials & Advanced |
| Clear Device Configuration | Essentials & Advanced | Essentials & Advanced |
| Remote Reboot | Essentials & Advanced | Essentials & Advanced |
| Restore to Factory Defaults | Essentials & Advanced | Essentials & Advanced |
| Export Device List | Essentials & Advanced | Essentials & Advanced |

### Group Device Configuration

| | | |
|---|---|---|
| View / Edit Group Configuration | Essentials & Advanced | Essentials & Advanced |
| Export Group Device List | Essentials & Advanced | Essentials & Advanced |
| Group NetCloud OS Updates | Essentials & Advanced | Essentials & Advanced |
| Copy Configuration to Group | Essentials & Advanced | Essentials & Advanced |

### WAN Network Interface Configuration

| | | |
|---|---|---|
| View/Edit Network Interface Configuration | Essentials & Advanced | Essentials & Advanced |
| Export Network Interface List | Essentials & Advanced | Essentials & Advanced |

### Modem Configuration

| | | |
|---|---|---|
| Modem Firmware Visibility & Management | Essentials & Advanced | Essentials & Advanced |
| Modem Firmware Updates (one to multiple) | Essentials & Advanced | Essentials & Advanced |
| Auto & Manual Modem Carrier Switching | Essentials & Advanced | Essentials & Advanced |

### Scheduler

| | | |
|---|---|---|
| NetCloud OS Updates | Essentials & Advanced | Essentials & Advanced |

## Alerts & Logs

| | | |
|---|---|---|
| Alert Management | Essentials & Advanced | Essentials & Advanced |
| Alerts via Webhook | Essentials & Advanced | Essentials & Advanced |
| Enhanced Logging  (user, activity, debug, device, alert) | Essentials & Advanced | Essentials & Advanced |

## Accounts & Users

| | | |
|---|---|---|
| Manage Users | Essentials & Advanced | Essentials & Advanced |
| Manage Permissions | Essentials & Advanced | Essentials & Advanced |
| Identity Federation with SAML 2.0 (Active Directory Integration) | Essentials & Advanced | Essentials & Advanced |
| Marketplace for in-app purchases | Essentials & Advanced | Essentials & Advanced |
| Customer/Partner community access, depending on user type | Essentials & Advanced | Essentials & Advanced |

## Mobile Apps

| | | |
|---|---|---|
| Cradlepoint Verify (installation) | Essentials & Advanced | Essentials & Advanced |
| NetCloud Mobile (management) | Essentials & Advanced | Essentials & Advanced |