NetCloud Branch Service Plan Features

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

<table>
<thead>
<tr>
<th>Recommended NetCloud Branch Advanced</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WAN</strong></td>
<td></td>
</tr>
<tr>
<td>Application Aware QoS</td>
<td>✓</td>
</tr>
<tr>
<td>Application Aware Traffic Steering</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Security</strong></td>
<td></td>
</tr>
<tr>
<td>Application Aware Zone Firewall</td>
<td>✓</td>
</tr>
<tr>
<td>CP Secure Threat Management (IPS/IDS)</td>
<td>✓</td>
</tr>
<tr>
<td>Actionable Alert on Threat Detection</td>
<td>✓</td>
</tr>
<tr>
<td>CP Secure Web Filter</td>
<td>✓</td>
</tr>
<tr>
<td>Web Classification and Categorization</td>
<td>✓</td>
</tr>
<tr>
<td>Web Reputation</td>
<td>✓</td>
</tr>
<tr>
<td>Zscaler Internet Security</td>
<td>Optional and Sold Separately</td>
</tr>
<tr>
<td><strong>Remote Connect</strong></td>
<td></td>
</tr>
<tr>
<td>LAN Manager for clientless access to LAN connected PC/MAC devices (RDP/VNC)</td>
<td>✓</td>
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<tr>
<td><strong>Visibility/Analytics</strong></td>
<td></td>
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<tr>
<td>Health Dashboard (Account, Group, Device)</td>
<td>✓</td>
</tr>
<tr>
<td>Traffic Steering for Events &amp; Flows</td>
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<tr>
<td>Cellular Health</td>
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<tr>
<td>Failover Events</td>
<td>✓</td>
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<tr>
<td>Application Traffic Dashboard (Account, Group, Device)</td>
<td>✓</td>
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<tr>
<td>Security Dashboard (Account, Device)</td>
<td>✓</td>
</tr>
<tr>
<td>CP Secure Web Filter Summary and Events</td>
<td>✓</td>
</tr>
<tr>
<td>CP Secure Threat Management (IDS/IPS) Events</td>
<td>✓</td>
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<tr>
<td>Default Password usage insight</td>
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<tr>
<td><strong>IoT Connectors</strong></td>
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<tr>
<td>NetCloud Edge Connector for Microsoft Azure IoT Central</td>
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<table>
<thead>
<tr>
<th>NetCloud Branch Essentials</th>
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<td><strong>WAN</strong></td>
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<td>LTE¹</td>
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<tr>
<td>Private LTE²</td>
<td>✓</td>
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<tr>
<td>WiFi-as-WAN / Client¹</td>
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<tr>
<td>Smart WAN Selection</td>
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<td>Quality of Service (QoS)</td>
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<tr>
<td>Traffic Steering</td>
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<td>NetCloud Branch Essentials</td>
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<tr>
<td><strong>Enterprise Routing</strong></td>
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<td>Static Routes</td>
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<td>RIP</td>
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<td>NHRP</td>
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<td>NEMO / DMNR</td>
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<td><strong>VPN &amp; Tunneling</strong></td>
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<td>GRE</td>
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<td>Auto VPN</td>
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<td>DMVPN</td>
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<td>Zone Firewall</td>
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<td>Basic URL Web filtering (White/Black list)</td>
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<td>NetCloud Perimeter</td>
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<tr>
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<td>Wireless Security Modes(^1)</td>
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<td>WPA / WPA2 Enterprise (802.1x)</td>
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<td>WPA / WPA2/WPA3 Personal and Enterprise (802.1x) (^6)</td>
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<td>Smart Channel Selection(^1)</td>
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<tr>
<td>HotSpot Services (Captive Portal)(^1)</td>
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<td><strong>Remote Connect / Out-of-Band Management</strong></td>
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<td>Securely connect to device UI in any network architecture (^2)</td>
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<td>Securely connect to device CLI in any network architecture</td>
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<td>NetCloud Branch Essentials</td>
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<tr>
<td>Out-of-Band Management for Access to non-Cradlepoint devices with console port</td>
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<tr>
<td>LAN Manager for access to LAN connected 3rd Party Device UIs</td>
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<tr>
<td><strong>Secure Remote Cloud Configuration</strong></td>
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<tr>
<td>Individual Device Configuration</td>
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<td>View / Edit Device Configuration</td>
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<td>Clear Device Configuration</td>
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<tr>
<td>Remote Reboot</td>
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<tr>
<td>Restore to Factory Defaults</td>
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<tr>
<td>Export Device List</td>
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<td>Group Device Configuration</td>
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<td>View / Edit Group Configuration</td>
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<td>Export Group Device List</td>
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<tr>
<td>Group NetCloud OS Updates</td>
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<td>Copy Configuration to Group</td>
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<tr>
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<td>View/Edit Network Interface Configuration</td>
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<td>Export Network Interface List</td>
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<td><strong>Modem Configuration</strong></td>
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<td>Modem Firmware Visibility &amp; Management</td>
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<tr>
<td>Modem Firmware Updates (one to multiple)</td>
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<tr>
<td>Auto &amp; Manual Modem Carrier Switching</td>
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<td>Scheduler</td>
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<tr>
<td>NetCloud OS Updates</td>
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</tr>
<tr>
<td><strong>Real-Time Diagnostics / Troubleshooting</strong></td>
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<tr>
<td>Real-Time Device Status vis NetCloud Device Dashboard</td>
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<tr>
<td>Expanded Real-Time Device Status via Remote Connect Local UI</td>
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<tr>
<td>Real-Time Network Interface Status via NetCloud Device Dashboard</td>
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<tr>
<td>Expanded Real-time Network Interface Status via Remote Connect Local UI</td>
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<tr>
<td>Ping</td>
<td>✓</td>
</tr>
<tr>
<td>Traceroute</td>
<td>✓</td>
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<tr>
<td>Speed Test per WAN Interface</td>
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<tr>
<td>Rogue AP Detection</td>
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<tr>
<td>WiFi Site Survey</td>
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<tr>
<td><strong>Visibility / Analytics</strong></td>
<td></td>
</tr>
<tr>
<td>Account Dashboard</td>
<td>✓</td>
</tr>
<tr>
<td>Group Dashboard</td>
<td>✓</td>
</tr>
<tr>
<td>Device Dashboard</td>
<td>✓</td>
</tr>
<tr>
<td>GeoView Dashboard (Account, Group, Device)</td>
<td>✓</td>
</tr>
<tr>
<td>Near Real-Time Last Known Map Location</td>
<td>✓</td>
</tr>
<tr>
<td>GeoFence Alerting</td>
<td>✓</td>
</tr>
<tr>
<td>Modem Data Usage Dashboard (Account)</td>
<td>✓</td>
</tr>
<tr>
<td>Pooled Carrier Data Usage Analytics, Forecasting, and Alerting</td>
<td>✓</td>
</tr>
<tr>
<td>Data Usage Dashboard (Group, Device)</td>
<td>✓</td>
</tr>
<tr>
<td>NetCloud Branch Essentials</td>
<td>Features</td>
</tr>
<tr>
<td>---------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>Client Dashboard (Account, Group, Device)</td>
<td>✓</td>
</tr>
<tr>
<td>Health Dashboard (Account, Group, Device)</td>
<td>✓</td>
</tr>
<tr>
<td>WAN Uptime</td>
<td>✓</td>
</tr>
<tr>
<td>Devices Lifecycle (shows where software update is required)</td>
<td>✓</td>
</tr>
<tr>
<td>License Dashboard (Device)</td>
<td>✓</td>
</tr>
<tr>
<td>Subscription Dashboard (Account)</td>
<td>✓</td>
</tr>
<tr>
<td>Capacity Dashboard (with alerts)</td>
<td>✓</td>
</tr>
</tbody>
</table>

**Alerts / Reports / Logs**

| Alerts Management | ✓ |
| Network, Group, Device Reporting | ✓ |
| Activity Audit Log | ✓ |
| Device Log | ✓ |
| Debug Diagnostic Data Log | ✓ |
| User Activity Log | ✓ |

**Extensibility**

| Custom business applications running at the edge with NCOS SDK² | ✓ |
| NetCloud API | ✓ |

**Accounts & Users**

| Manage Users | ✓ |
| Manage Permissions | ✓ |
| Identity Federation with SAML 2.0 (Active Directory Integration) | ✓ |
| Single Sign On (SSO) to all Cradlepoint Services | ✓ |
| Marketplace for in-app purchases | ✓ |

**Mobile Apps**

| Cradlepoint Verify (installation) | ✓ |
| NetCloud Mobile (management) | ✓ |

¹ Not available on CR4250/CVR
² Not available on AER2200 FIPS
³ Not available on CVR
⁴ Only on endpoints with an embedded or modular 1200M-B modem
⁵ Only on E300, E3000, CR4250, and AER2200
⁶ Only on E300, E3000
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

<table>
<thead>
<tr>
<th>Features</th>
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<tbody>
<tr>
<td><strong>Remote Connect / Out-of-Band Management</strong></td>
<td></td>
</tr>
<tr>
<td>Securely connect to device UI in any network architecture</td>
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<tr>
<td><strong>Real-Time Diagnostics / Troubleshooting</strong></td>
<td></td>
</tr>
<tr>
<td>Expanded Real-Time Device Status via Remote Connect Local UI</td>
<td>✓</td>
</tr>
<tr>
<td>Expanded Real-time Network Interface Status via Remote Connect Local UI</td>
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<tr>
<td><strong>Visibility / Analytics</strong></td>
<td></td>
</tr>
<tr>
<td>GeoView Dashboard (Account, Group, Device)</td>
<td>✓</td>
</tr>
<tr>
<td>Near Real-Time Last Known Map Location</td>
<td>✓</td>
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<tr>
<td>GeoFence Alerting</td>
<td>✓</td>
</tr>
<tr>
<td>Modem Data Usage Dashboard (Account)</td>
<td>✓</td>
</tr>
<tr>
<td>Pooled Carrier Data Usage Analytics, Forecasting, and Alerting</td>
<td>✓</td>
</tr>
<tr>
<td>Health Dashboard (Account, Group, Device)</td>
<td>✓</td>
</tr>
<tr>
<td>WAN Uptime</td>
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<tr>
<td>Cellular Health</td>
<td>✓</td>
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<tr>
<td>Failover Events</td>
<td>✓</td>
</tr>
<tr>
<td>Security Dashboard (Account, Device)</td>
<td>✓</td>
</tr>
<tr>
<td>Default Password usage insight</td>
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### NetCloud Branch LTE Adapter Essentials

<table>
<thead>
<tr>
<th>Features</th>
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<tbody>
<tr>
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</tr>
<tr>
<td>Connection Manager</td>
<td>✓</td>
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<tr>
<td>LTE</td>
<td>✓</td>
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<tr>
<td>Private LTE³</td>
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<tr>
<td>WiFi-as-WAN / Client</td>
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<tr>
<td>Smart WAN Selection²</td>
<td>✓</td>
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<tr>
<td>Ethernet WAN for inline failover²</td>
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<tr>
<td>Quality of Service (QoS)</td>
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<td>NetCloud Branch LTE Adapter Essentials</td>
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<tr>
<td>Application Aware QoS</td>
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<tr>
<td>Traffic Steering ²</td>
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<td><strong>Enterprise Routing</strong></td>
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<tr>
<td>Static Routes</td>
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<td><strong>Security</strong></td>
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<tr>
<td>NetCloud Perimeter</td>
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<tr>
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<tr>
<td>Individual Device Configuration</td>
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<tr>
<td>Remote Reboot</td>
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<tr>
<td>Group NetCloud OS Updates</td>
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<td>Copy Configuration to Group</td>
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<tr>
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<tr>
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<td>Export Network Interface List</td>
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<td><strong>Modem Configuration</strong></td>
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<tr>
<td>Scheduler</td>
<td>✓</td>
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<td>NetCloud OS Updates</td>
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<td><strong>Real-Time Diagnostics / Troubleshooting</strong></td>
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<td>NetCloud Branch LTE Adapter Essentials</td>
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<tr>
<td>Data Usage Dashboard (Group, Device)</td>
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<td>Health Dashboard (Account, Group, Device)</td>
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<tr>
<td>Devices Lifecycle (shows where software update is required)</td>
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<tr>
<td>License Dashboard (Device)</td>
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</tr>
<tr>
<td>Subscription Dashboard (Account)</td>
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### Alerts / Reports / Logs

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<thead>
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<td>Alert Management</td>
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<tr>
<td>Network, Group, Device Reporting</td>
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<td>Activity Audit Log</td>
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<tr>
<td>Device Log</td>
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<tr>
<td>Debug Diagnostic Data Log</td>
<td>✓</td>
</tr>
<tr>
<td>User Activity Log</td>
<td>✓</td>
</tr>
</tbody>
</table>

### Extensibility

<table>
<thead>
<tr>
<th>Extensibility</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Custom business applications running at the edge with NCOS SDK</td>
<td>✓</td>
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<tr>
<td>NetCloud API</td>
<td>✓</td>
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### Accounts & Users

<table>
<thead>
<tr>
<th>Accounts &amp; Users</th>
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</tr>
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<tbody>
<tr>
<td>Manage Users</td>
<td>✓</td>
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<tr>
<td>Manage Permissions</td>
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<td>Identity Federation with SAML 2.0 (Active Directory Integration)</td>
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### Mobile Apps

<table>
<thead>
<tr>
<th>Mobile Apps</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cradlepoint Verify (installation)</td>
<td>✓</td>
</tr>
<tr>
<td>NetCloud Mobile (management)</td>
<td>✓</td>
</tr>
</tbody>
</table>

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1. Advanced Plan is only available on the CBA850
2. Available only on the CBA850
3. Only on endpoints with an embedded or modular 1200M-B modem
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.

<table>
<thead>
<tr>
<th>NetCloud Branch Access Essentials</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LAN</strong></td>
<td></td>
</tr>
<tr>
<td>IPv4 &amp; IPv6</td>
<td>✓</td>
</tr>
<tr>
<td><strong>WI-Fi</strong></td>
<td></td>
</tr>
<tr>
<td>Multiple SSIDs</td>
<td>✓</td>
</tr>
<tr>
<td>Wireless Security Modes</td>
<td>✓</td>
</tr>
<tr>
<td>Open</td>
<td>✓</td>
</tr>
<tr>
<td>WEP</td>
<td>✓</td>
</tr>
<tr>
<td>WPA / WPA2 Personal</td>
<td>✓</td>
</tr>
<tr>
<td>WPA / WPA2 Enterprise (802.1x)</td>
<td>✓</td>
</tr>
<tr>
<td>Smart Channel Selection</td>
<td>✓</td>
</tr>
<tr>
<td>HotSpot Services (Captive Portal)</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Secure Remote Cloud Configuration</strong></td>
<td></td>
</tr>
<tr>
<td>Individual Device Configuration</td>
<td>✓</td>
</tr>
<tr>
<td>View / Edit Device Configuration</td>
<td>✓</td>
</tr>
<tr>
<td>Clear Device Configuration</td>
<td>✓</td>
</tr>
<tr>
<td>Remote Reboot</td>
<td>✓</td>
</tr>
<tr>
<td>Restore to Factory Defaults</td>
<td>✓</td>
</tr>
<tr>
<td>Export Device List</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Group Device Configuration</strong></td>
<td>✓</td>
</tr>
<tr>
<td>View / Edit Group Configuration</td>
<td>✓</td>
</tr>
<tr>
<td>Export Group Device List</td>
<td>✓</td>
</tr>
<tr>
<td>Group NetCloud OS Updates</td>
<td>✓</td>
</tr>
<tr>
<td>Copy Configuration to Group</td>
<td>✓</td>
</tr>
<tr>
<td>Scheduler</td>
<td>✓</td>
</tr>
<tr>
<td>NetCloud OS Updates</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Real-Time Diagnostics / Troubleshooting</strong></td>
<td></td>
</tr>
<tr>
<td>Real-Time Device Status via NetCloud Device Dashboard</td>
<td>✓</td>
</tr>
<tr>
<td>Expanded Real-Time Device Status via Remote Connect Local UI</td>
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<tr>
<td>Real-Time Network Interface Status via NetCloud Device Dashboard</td>
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<tr>
<td>Ping</td>
<td>✓</td>
</tr>
<tr>
<td>Traceroute</td>
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<td>Rogue AP Detection</td>
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<td>WiFi Site Survey</td>
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<td><strong>Alerts / Reports / Logs</strong></td>
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<tr>
<td>Alert Management</td>
<td>✓</td>
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<td>Network, Group, Device Reporting</td>
<td>✓</td>
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<tr>
<td>Activity Audit Log</td>
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