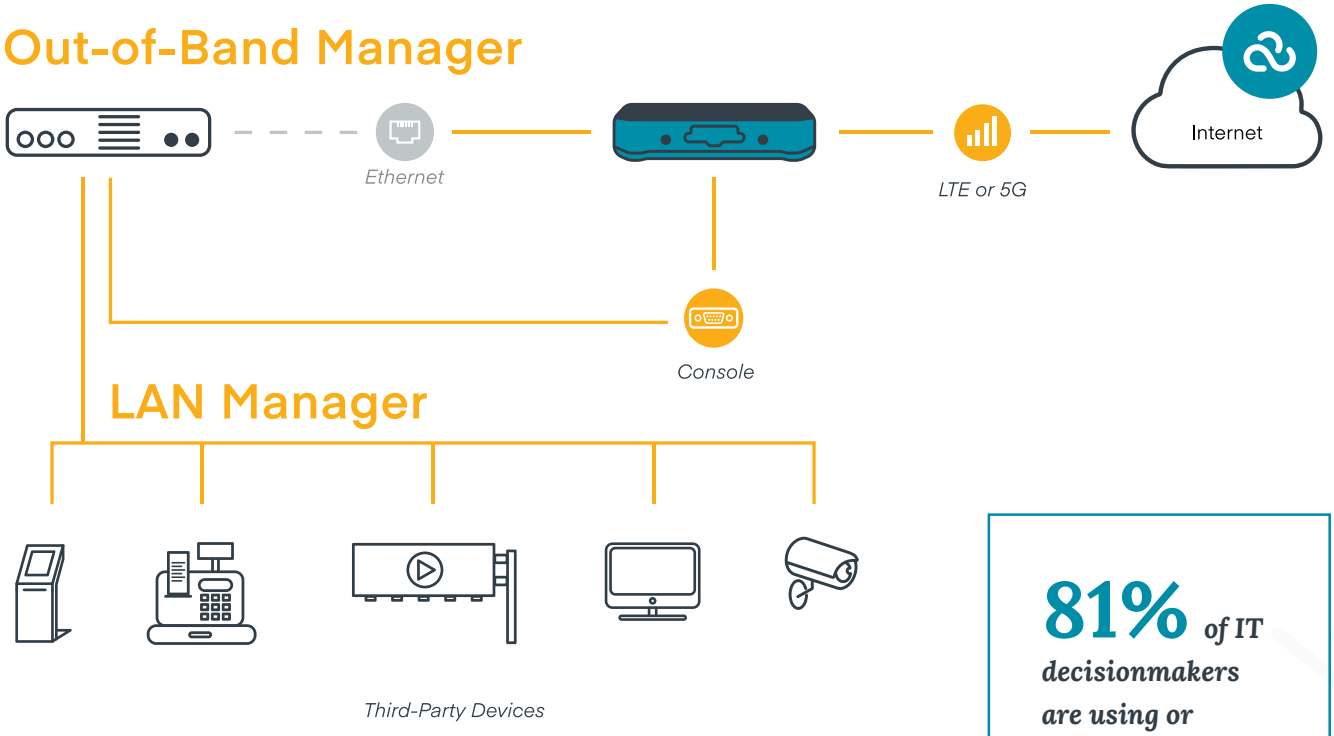
Using Cellular Networking Solutions for In-Band and Out-of-Band Management

Save time and money with secure, cloud-managed remote troubleshooting

For IT organizations supporting numerous stores or offices, intermittent router failure is a nightmare. When a primary router at a distributed location goes offline, causing revenue and customer service to be at stake, troubleshooting must happen immediately. However, attaining visibility into and control of unresponsive network hardware — as well as devices on the local-area network (LAN) — is difficult without the right solution.



Network Challenges

Sending an IT professional on-site to address router failure and network downtime can be costly and time-consuming, which isn't scalable. Also, some of the options for managing router issues present major challenges. Some Out-of-Band Management (OOBM) systems are very complex, expensive, and custom. Another option is to temporarily remove firewall restrictions, but doing so puts corporate data at risk. Other options operate with outdated technology such as phone lines or DSL, which aren't scalable for the future.

81% ***of IT decisionmakers are using or considering using LTE or 5G as a failover link in branch locations.***

— State of Wireless WAN Report 2020

Benefits of Wireless Broadband Solutions for Out-of-Band Management

Advanced OOBM

Through NetCloud Out-of-Band Manager, and a direct connection from the console port of the LTE or 5G adapter to a primary router, advanced OOBM gives IT teams the same management capabilities they would have if they were on-site — regardless of whether the wired line is up and running. When a router fails, IT professionals can troubleshoot the problem anytime and anywhere over the air — even if IP and Ethernet are not functioning or available.

Remote control of devices on the LAN

NetCloud LAN Manager enables in-band visibility into and control of connected IoT and network clients ranging from access points and switches to POS systems, surveillance cameras, and digital signs. Third-party devices that previously were inaccessible can now be managed securely through the cloud — without additional software, hardware, or setup.

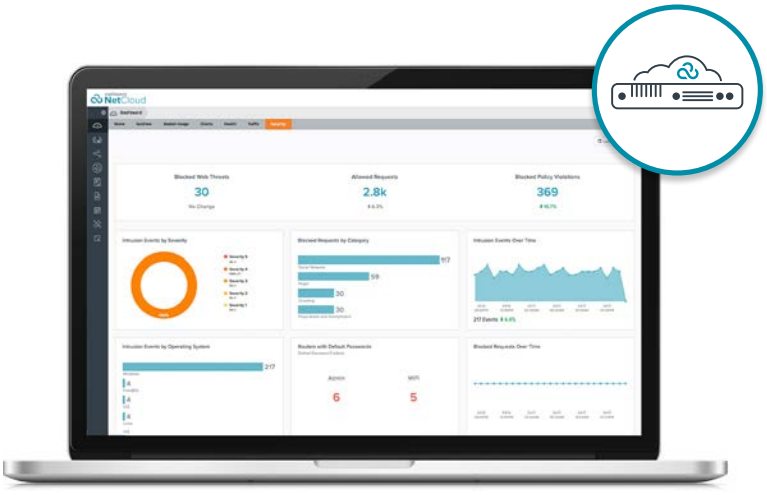
Security

Cradlepoint's remote troubleshooting solution performs OOBM while respecting security practices required for regulatory and industry compliance. NetCloud provides granular role-based user access to features to prevent unauthorized access. All NetCloud features are served over a device-initiated secure tunnel that does not require static IPv4 addressing or inbound firewall rules.

Cost savings and ease of use

Cloud-based OOBM solutions save money by reducing the need for service calls and on-site network management. With NetCloud, the IT team makes can monitor and manage connectivity at hundreds or even thousands of fixed locations at scale and with low overhead.

Cradlepoint's NetCloud Service for Branch with Wireless Edge Adapters and Routers



To mitigate the effects of an unreachable router or appliance, Cradlepoint NetCloud combined with LTE and 5G adapters or routers offer an efficient remote troubleshooting solution utilizing the Remote Connect suite of advanced Out-of-Band and In-Band features.

Learn more at www.misco.co.uk