WESTBASE.iO
BETTER CONNECTED

Cellular for Failover and Out-Of-Band Management

The proliferation of cloud applications and centralised systems means that the cost of connectivity downtime grows every day. For distributed enterprises with hundreds or thousands of site and branch locations, a highly resilient network is essential to proactively avoiding unplanned network disruptions.

Protecting uptime is a primary focus for IT teams.

If and when a piece of equipment or the network goes down the IT team is responsible not only for the lost productivity and revenue associated with connectivity issues but, more importantly, for solving the problem and restoring the network.

Yet in many distributed enterprises which have centralised IT resources, the team often doesn't have the network visibility they need to identify issues with remote routers and equipment.

Network administrators have long faced the challenge of managing distributed enterprise networks effectively and cost efficiently – yet many still struggle to do so.

Legacy options, such as telephone support to local staff and truck rolls, are financially costly and time-expensive. Expecting on-site staff to be the eyes and ears for central teams, and run diagnostics that they may not be familiar with, can cause delays in troubleshooting and prolongs the time to full network restoration. In some cases as well there may not be local staff available – for example, remote locations such as monitoring stations. Sending technicians to site to repair or replace the equipment results in large financial costs and delays restoration as well.

Out-Of-Band Management; the difference between network success or failure

A secure, reliable means for accessing the network out-of-band is therefore crucial to successfully managing a distributed network remotely. An Out-Of-Band Management (OOBM) solution provides the visibility that a central team needs to be able to troubleshoot remote equipment issues, even when the primary connection fails, and get the network back online.

Traditional OOBM solutions which use services such as ISDN (integrated services digital network) or POTS (plain old telephone service) to access remote devices is fast becoming defunct though, as these technologies become legacy products. They often rely on the same infrastructure as the primary fixed line connection as well, so if this goes down they most likely will too – and even if they don't, their connection speed is too slow to provide a viable failover solution that can support today's businesses that rely on cloud-based systems. Wired connectivity is also unsuitable for more remote locations which require a more advanced OOBM solution.

LTE for failover and Out-Of-Band Management provides the answer.

A cellular networking solution can provide secure, reliable failover connectivity when the primary connection fails, delivering an uninterrupted service. In addition to this, the solution can enable central IT resources to remotely troubleshoot the service-affecting routing device using Out-Of-Band Management – regardless of how remote its location may be.

The solution addresses both the issue of extended downtime and the inefficiencies associated with historical approaches to distributed network management. Providing the speed needed to continue seamless working, 3G/4G networking keeps locations connected and secure while teams work remotely to restore the primary network.

How it works

Westbase.io provide a wide range of 3G/4G routers which enable simplified convergence of wired and wireless networks at the edge to deliver a seamless failover solution. Remotely managed using cloud applications, our solutions are perfect for distributed enterprises with central IT resources – enabling the team to configure, manage and troubleshoot the whole estate remotely.

These devices can connect directly to the console port of the primary router, extending the remote management capabilities to it and therefore enabling simple, but powerful, OOBM.

Cost effective, rapid deployment OOBM.

Traditional OOBM solutions require a dedicated OOBM modem and POTS or ISDN line, meaning high costs are attached to establishing the required infrastructure – especially for a distributed enterprise with hundreds, or even thousands, of locations. This infrastructure also demands long and extended roll out periods.

A cellular solution however can be rolled out in a fraction of the time it takes to build a fixed line infrastructure, and by combining connectivity and an OOBM tool into one device, it saves thousands in costs and simplifies the network.

Overcoming the other limitations of traditional OOBM as well, it can be deployed in any location and diversifies the infrastructure to include both wired and wireless connections, improving overall network resilience.

A Westbase.io 4G LTE networking solution implemented with a cloud management platform removes the need for static IP addresses for OOBM – meaning you can remotely access the primary router from any location and with no configuration necessary, delivering plug and play failover and OOBM.

Westbase.io work with our partners to deliver 4G LTE mobile networking solutions for failover and Out-Of-Band Management. To find out more please contact us…

+44 (0) 1291 430 567

info@westbase.io

Using 3G/4G to maximise **BUSINESS CONTINUITY**

- Minimises disruption and downtime by delivering a reliable business continuity solution
- Prevents loss of revenue and brand damage, amongst other critical impacts of downtime
- Can be deployed rapidly for an almost instant solution

The added benefits of a **CELLULAR FAILOVER AND OOBM SOLUTION**

- Saves time by enabling immediate troubleshooting by a trained, IT professional regardless of location
- Reduces the need for truck rolls and on-site technical staff
- Reduces replacement equipment costs by enabling remote repairs
- Removes expense of a dedicated OOBM modem and POTS line
- No static IP required – access anywhere with no configuration required
- There are several scenarios where OOBM can be used, for example: misconfiguring an ACL; bouncing an interface; shutting down the wrong interface; non-responsive devices post-reboot; loss of primary connection to the router; remotely configuring replacement router without a truck roll

More about **WESTBASE.iO**

Westbase.io is a leading provider of cloud-managed 4G LTE and hybrid networking solutions. We couple our innovative portfolio with our extensive industry understanding, and unparalleled product knowledge, to deliver solutions which perfectly fit our customers' requirements.

Westbase.io works with our partners to help them identify the best possible cellular solution for their OOBM requirements.

WESTBASE.iO