NETBEEZ®

Creating the future requires relying on the present. Latency has no place in the 21st century.

Providing a great in-office experience via quick and reliable WiFi: A Tech Case Study

At the Forefront of Disruption

aThe Tech sector is competitive by nature, due to the fast pace of technology advancement. In order to survive, companies need to continuously make significant changes in their operating model, hire the brightest and most diligent employees, and have an aggressive acquisition roadmap. These three challenges require an agile organization that is capable of quickly delivering results and addressing problems before another company does.

The Smart Office

Given that human capital is one of the top competitive advantages for companies today, attracting creative, hard-working, young professionals is important. This is why a large amount of resources are being invested into the perfect work space.

Challenge
Delivering a good end-user experience to employees

Results
Tech companies that are monitoring their network with NetBeez experienced:

- Reduced truck rolls to troubleshoot problems with the WiFi network
- Proactive detection of routing changes that affect impact application performance
- Validation of configuration changes to remote offices

Industry
Internet and Software

Use Cases
Tech companies have deployed WiFi and Ethernet monitoring sensors to verify the correct functioning of:

- BYOD policy
- WiFi coverage and high-speed Internet
- Smart office sensors

Products
BeezKeeper - Dashboard
WiFi Beez - Monitoring Sensors
Wired Beez - Monitoring Sensors

Tech companies are investing considerable time and resources into smart office technologies that provide a "cool", welcoming and entertaining work environment. With this goal in mind, confidently rolling out BYOD policies, adopting smart sensors and meters, and providing stable WiFi and high-speed Internet are a must for the IT department.

How NetBeez is Improving Office Life

NetBeez has released a SaaS solution that continuously simulates user activity on any LAN or WiFi network to proactively identify the most complex network problems. NetBeez allows network engineers to gain complete visibility of the issue before it severely impacts users, significantly reducing time to detection and resolution of network downtime and degradation.

The wired 'Beez' (agents) are Gigabit Ethernet sensors that run user-defined tests at the network layer (PING, Traceroute, Iperf, Speedtest…) and at the application layer (VoIP, Guest Services Association…), testing a remote branch's connectivity and performance. The WiFi Beez are equipped with a 802.11ac interface, and can perform the same tests and report metrics just like wired agents. Some metrics that they report are:

- Sent and received bits per second
- WiFi signal strength and link quality
- Associated 2.4/5GHz channel and BSSID
- Bit rate established with the access point

Deployment of WiFi Sensors

The Ethernet sensor is connected at the access switch, like a regular workstation. This unit verifies network connectivity and application response time for the entire office's wired infrastructure. The Ethernet sensor is also responsible for periodically verifying download and upload speeds.

Based on the size of the office, WiFi sensors can be placed at two or three points, verifying authentication, wireless availability, and performance. Such deployment will provide the network engineers and operators a complete service assurance solution, permitting them to

Pictured: The NetBeez WiFi agent

efficiently and effectively troubleshoot any problems an office may experience, without having to be physically present.

Results

NetBeez is working with many companies in the Tech sector to enable IT to offer the best end-user experience by quickly detecting and troubleshooting network performance issues. If you want to learn more about our solution, please visit https://netbeez.net/wireless-monitoring/ or send your inquiry to sales@netbeez.net.

About NetBeez

NetBeez is a network performance monitoring company that provides network performance monitoring from the end-user's perspective on any LAN or WiFi network. Our solution is used by many national and international Universities. NetBeez is a Cisco Solutions Preferred Partner.