



ARUBA AIOPS USE CASES

Peer Comparisons: A New Level of Insight

INTRO

No two sites are exactly alike

Keeping your LAN and WAN up and running is a big responsibility. Even a bigger challenge if you have multiple sites all in remote locations. They might seem similar, but with more users and endpoints, roaming, or traffic throughout the day in some, they're different. Without a big IT team, it's hard to keep track. All you know is that each site must deliver the best experience possible.

CHALLENGE

You can't fix what you can't measure

Unfortunately, IT teams will use common wireless, wired, and SD-WAN configurations per site, and unless something is broken, users learn to live with the status quo—even if it's not ideal. Legacy management tools are not designed to monitor for changes across sites dynamically, or to provide optimization tips. Some solutions even prompt IT teams to define these service level expectations manually, per site, to look for issues. If only things never changed.

Not the most effective way to operate networks.

SOLUTION

Dynamic Baselines with Peer Comparisons

Modern AIOps solutions and automation are the answer. Aruba Central includes AI and machine learning, dynamically giving you a baseline for each of your sites and providing a benchmark for comparing volume of users, traffic, coverage, and more. Dynamic baselining also lets you compare a customer's sites to similar or peer environments. Not only are you seeing how your own individual sites compare to one another, you'll also see how they measure up to similar baselines run by others.

Even if managing a site with one to thousands of access points, peer comparisons ensure that if similar sites are performing better, you'll automatically receive on-going optimization tips. No manual setup, time away from other tasks, or trial and error — all common with other solutions. Aruba AIOps takes IT efficiency to the next level.

A real-life example

Because of today’s customer retention challenges, the IT team at a large retailer was looking to boost their network’s performance and modernize their management tools for better insights. They lacked an easy way to identify coverage and performance gaps from store to store — information they needed to meet growing user experience demands.

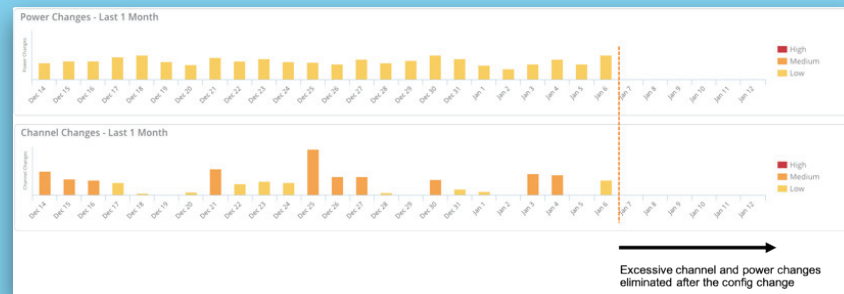
They tested a few competitive wireless and AIOps solutions during a proof of concept (PoC) phase. While each solution could fix certain site-specific connectivity issues, only the AIOps Peer Comparisons feature in Aruba Central delivered performance gains by recommending configuration changes in a holistic way, by looking at similar sites across the data lake.

Baselines for similar stores with like characteristics exhibited 6X better performance metrics than the customer’s stores, even those where competitive PoC tests had been performed. Aruba AI Insights recommended the use of more DFS channels to match the peer sites and fewer SSIDs to reduce channel interference.

After implementing recommendations the Aruba solution concluded that the site under test was not experiencing any anomalies due to radar signals. A 3x drop in interference was also seen. Devices the associates use, like those from Zebra, saw 50% performance gains versus those at other stores and competing PoC sites. The conclusion: These recommendations would be beneficial in over 95% of their sites worldwide without on-site visits.

SUMMARY

While anomaly detection is one of ITs biggest concerns, Aruba is proving that optimization recommendations are the smartest way of preventing problems. Aruba is the only solution that offers Peer Comparisons and delivers at least a 15% performance gain per recommendation — for the life of your deployment.



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