wyebot ™

THE WIRELESS INTELLIGENCE PLATFORM

Even the smallest wireless issue can become a huge headache for your most critical processes if you lack visibility into the problem and do not tackle it quickly.

But what if your system recognized and notified your IT department of network abnormalities before they turned into problems – and recommended solutions automatically?

That's what The Wireless Intelligence Platform ™ (WIP) is all about: advanced wireless optimization algorithms work alongside next-generation predictive analytics to keep your WiFi network up and running reliably and efficiently. Our unique combination of on-premise sensor hardware and cloud-based, patented software is vendor agnostic, and seamlessly integrates with any current network infrastructure. We eliminate small problems before they become big problems.

WIP'S FEATURES:

- Save up to 90% in Mean-Time-to-Resolution
- Reduce WiFi problem tickets by more than 50%
- Reduce remote site visits by up to 80%

AUTONOMIC WIFI ASSURANCE

- Capture and analyze data
- Automatically produce actionable intelligence using Artificial Intelligence
- Support for WiFi 6 (802.11ax) technology

SYNTHETIC NETWORK TESTING

- Suite of 9 Network Tests runs over Wired and Wireless Networks
- Remotely diagnose and troubleshoot
- Copy tests across locations and SSIDs

CLIENT DEVICE FORENSICS

- Data collected 24/7
- Review historical data on user interface
- Classification of APs and Clients via device fingerprinting

VENDOR AGNOSTIC

Because WIP is Vendor Agnostic, all features benefit from WIP's easy to use seamless integration with the existing network infrastructure. The result is future-proofing against the ever changing wireless technology and explosion of IoT devices.

- Complete Wireless Ecosystem Visibility
- Historical Analytics
- Automated Detection, Notification & Mitigation
- Security Breach Detection
- Vendor Agnostic
- Remote Network Test Suite
- Export Data, Reporting and Logging

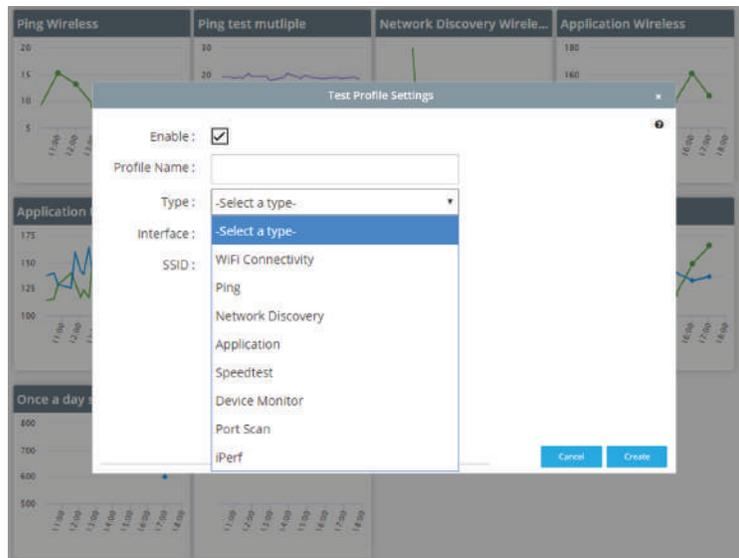## COMPLETE WIRELESS ECOSYSTEM VISIBILITY

Instant, visual updates of the entire network provided on the dashboard, along with a color-coded summary of the severity of all issues. Selecting a sensor name links you to the sensor status page where issue details - and solutions - are provided. Information tiles provide an overview of key network parameters with added detail a single click away.

AUTOMATED DETECTION, NOTIFICATION & MITIGATION

Our sensors automatically collect and process all network activity, and analyze the data to detect network anomalies using an Artificial Intelligence-based engine. Our user interface presents clear and concise problem statements along with actionable intelligence to correct existing issues or proactively prevent further issues from occurring later.

REMOTE NETWORK TEST SUITE

Our Test Suite runs remote tests on a scheduled or periodic basis over Wired and Wireless Networks, with the ability to run scheduled tests on demand. We send automatic alerts if any test fails so that resolutions can be found immediately. Our system proactively performs a Wireless Connectivity and Internet Connectivity/Ping Test; an Application Test; Performance Tests; a Device Monitor Test; a Device Discovery Test; a Security Audit Test; a DNS Server Test; and Throughput Testing.
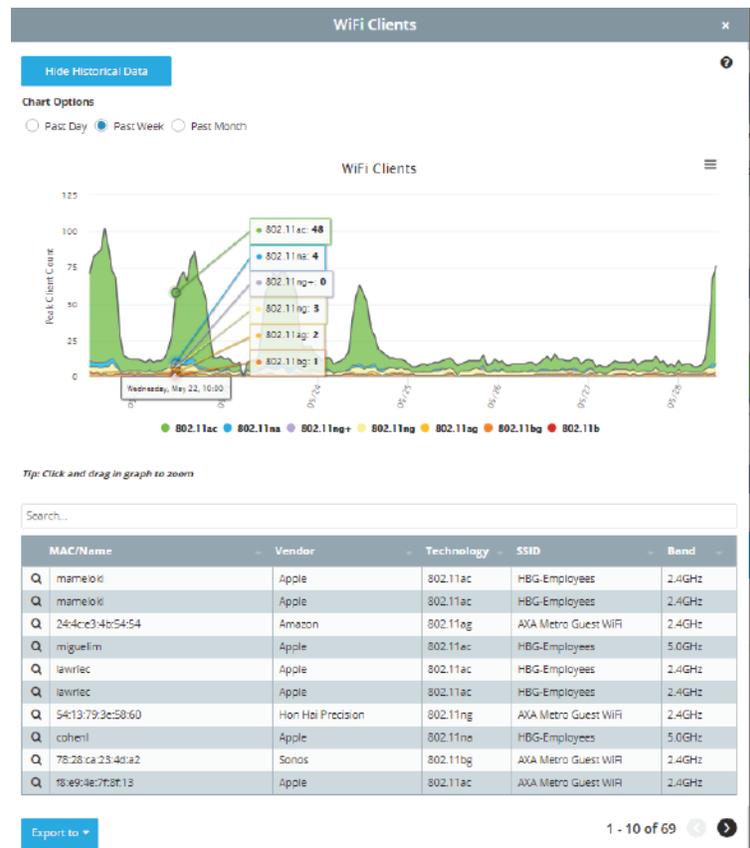
SECURITY BREACH DETECTION

WIP's 24/7 monitoring detects multiple types of wireless security breaches and notifies staff of events such as newly detected APs, security mismatches between networks, potential DoS attacks, etc. and provides a solution to help pinpoint the source.
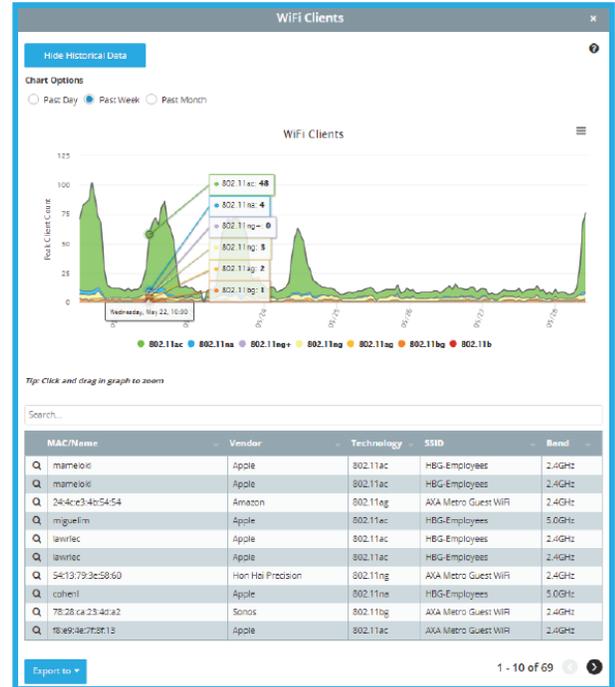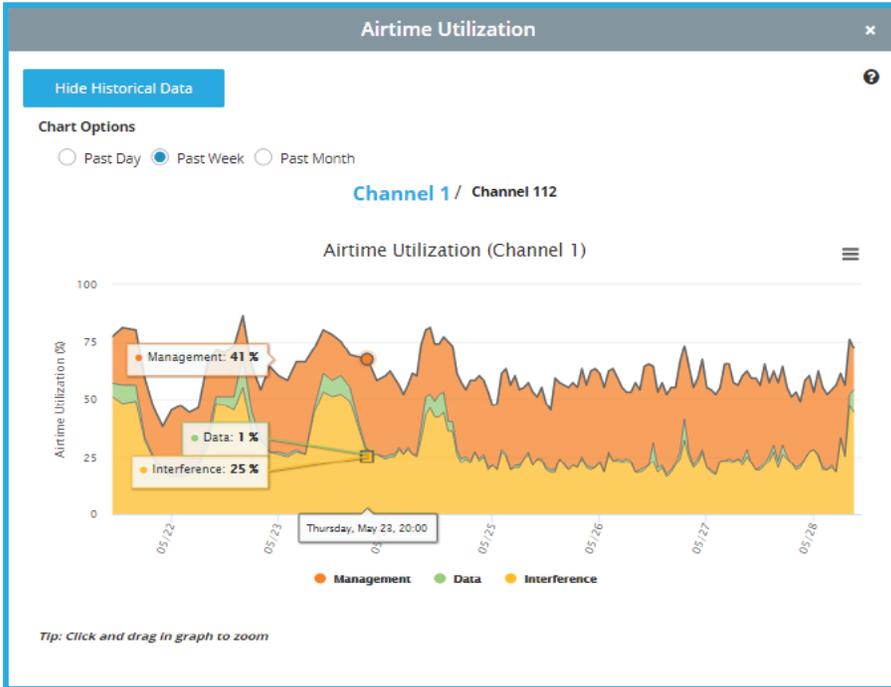
HISTORICAL FORENSICS

Go back in time using the user interface and discover how specific devices operated at a point in the past. Study network events in depth, even if the exact conditions in question no longer exist.

EXPORT DATA, REPORTING & LOGGING

Export real-time and historical data from a number of tables and graphs. Share data with associates to support business analytics, monthly updates and quarterly reviews.

THE WIRELESS INTELLIGENCE PLATFORM (WIP) FEATURES

Wyebot's Autonomic WiFi Assurance begins with our vendor agnostic, market leading sensor technology monitoring and performing computational analysis on all wireless activity, including that from non-WiFi sources. Using Artificial Intelligence and edge computing, sensors perform real-time analysis of all activity. Pertinent events are sent to the cloud infrastructure over a secure MQTT connection. Once in the cloud, the AI-based engines execute advanced "big data" algorithms, performing long-term pattern recognition, fingerprinting, and behavioral profiling.

The results from this 24/7 real time data collection, analysis and pattern recognition are displayed on a dashboard providing a complete, easy to understand, status on the state of your network, any problems detected and actionable solutions. Our suite of 9 network tests enhances this proactive monitoring. These remote tests are run on a manual or scheduled basis, giving clients the ability to diagnose and troubleshoot network issues from any location. If historical information is needed, whether from last night or last week, WIP's user interface gives clients the ability to "go back in time," with an analysis of past test results and network health. Our clients always know the service quality of a network, and have actionable intelligence to optimize that quality at any time.

The Wyebot Wireless Intelligence Platform™ is changing the world of WiFi analytics. It's autonomic, it's proactive and it's eliminating your WiFi worries. Never again view your wireless network as a mystery.