

DATAVIZION



COMPANY CASE STUDY

CHANGING THE WAY WE SERVE, ONE CLIENT AT A TIME

COMPANY OVERVIEW

Ralston Public Schools is a K-12 district with 8 locations, serving approximately 3,400 students and employing around 500+ teachers. They recently refreshed their wireless and switching hardware, but due to the newly renovated buildings, Ralston seized the opportunity to enhance network density—giving us the perfect chance to optimize wireless performance to support the increased demand.

CHALLENGE

Ralston Public Schools was experiencing WiFi performance issues in elementary buildings. The addition of new equipment rendered the previous configurations insufficient, leading to subpar user experiences.

SPECIFIC ISSUES

- **Unstable Wireless Performance**

Faced roaming issues, poor throughput, and high latency. Sticky clients overloaded APs, while limited channel use led to crowded airspace. Expanding channels, optimizing RF, and enabling proper Wi-Fi standards were essential to improve the experience for staff and students.

- **Outdated Configuration**

The original configuration was designed for a lower number of access points. With the introduction of nearly double the APs, updated configurations were necessary to deliver improved performance for both staff and students.

SOLUTION

Objective

Improve WiFi performance and validate wireless configurations to support staff and students district-wide.

Approach

Implementation of a Customer Relationship Management System
Development of Standardized Processes:

- Wireless configuration audit
- Hardware-specific analysis (AP-615s)
- Adjustments to radio settings (enabled 5GHz and 6GHz; disabled 2.4GHz)
- Consultation and hands-on support during Spring Break and available scheduling windows

Conclusion

By implementing DataVizion's recommendations, Ralston Public Schools achieved more consistent wireless performance across elementary buildings. The IT team saw measurable improvements in connectivity, especially on student devices.

Client Feedback

"Once again DataVizion has come to my aid to provide thoughtful and experienced insight to get the district to their technology goals!"



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