



Case Study

Empowering Fairview International School
Malaysia with Audra's Secure networking solution



Company background

The London stock Exchange-listed Fairview International School Malaysia is one of the leading international education institutions in the country, known for its academic excellence and commitment to fostering a global mindset amongst its students.

The problem

As a multi-branch institution, several challenges presented themselves around managing digital infrastructure.

1. A Need for a cost-effective and scalable security solution: With multiple campuses to secure, Fairview needed a solution that would provide strong security while ensuring long-term scalability. They required something that delivered extensive protection whilst still allowing for optimal use of IT budget.

2. Centralised, easy-to-use management for multiple campuses: Managing network security across multiple branches can be complex and time-consuming. Fairview sought a simple, user-friendly solution that would allow their IT team to monitor and control network traffic across all campuses from a single, centralised portal. They also required seamless VLAN connectivity between branches and their Kuala Lumpur headquarters, which was already using a Sophos firewall.

3. Segmentation of networks for different user groups: To maintain security and efficiency, Fairview needed to separate network access for students, teachers, and staff. By segmenting the network, they could enforce different policies for each group, ensuring students had restricted access while teachers and staff had the necessary permissions for academic and administrative tasks.

4. Content filtering and cybersecurity measures: One of the school's top priorities was to create a safe online environment for students. This meant implementing strong content filtering to block access to harmful or inappropriate websites whilst still allowing access to educational resources. Additionally, they needed a solution capable of protecting against cyber threats, unauthorised access, and potential network vulnerabilities.

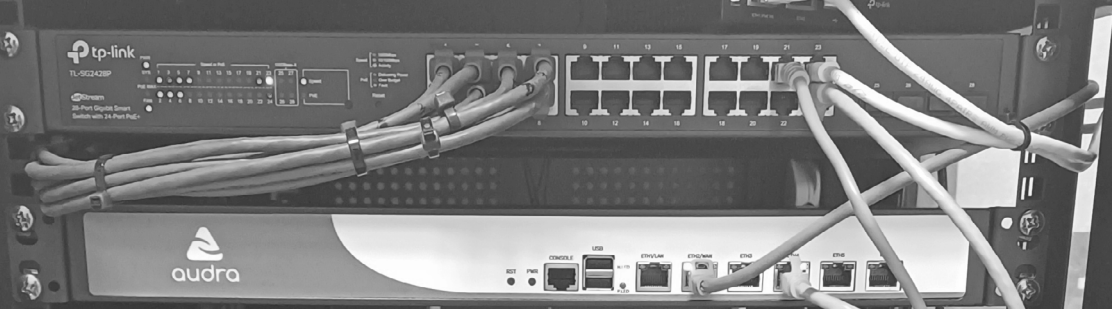


The solution

Audra Solutions proposed and successfully deployed Audra, a cutting-edge network management and security solution, across all six branches of Fairview International School. The solution was tailored to meet the school's specific needs, focusing on connectivity, security, and centralized management.

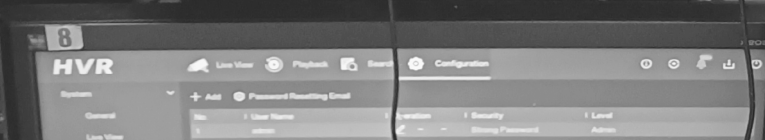
Key aspects of the solution included

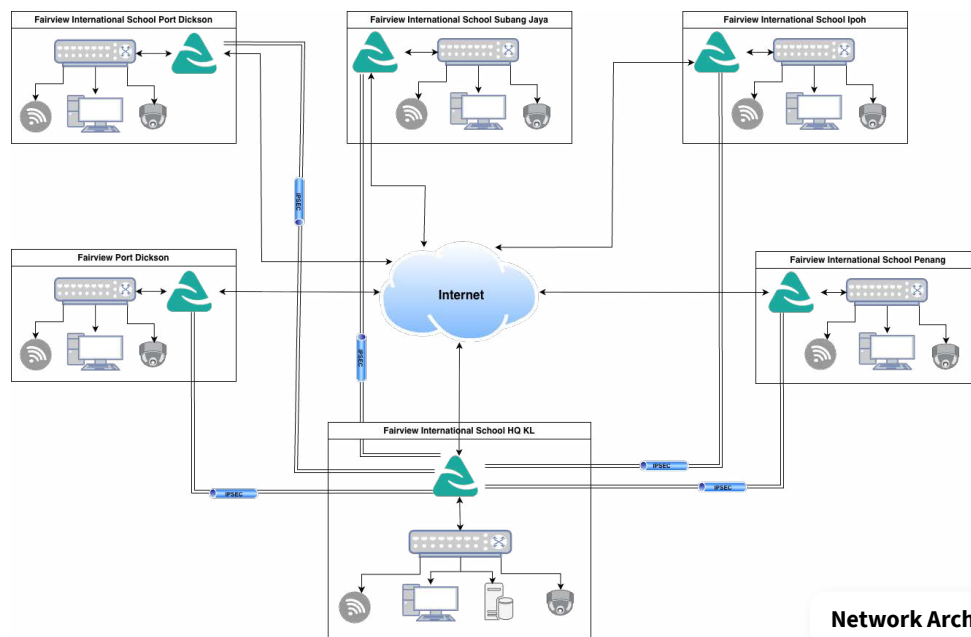
1. Implementing a centralised VLAN for seamless communication between branches and the headquarters
2. Deploying Audra edge devices to manage local traffic
3. Utilising cloud-based management for real-time monitoring and configuration
4. Enabling advanced security measures like role-based access control and threat detection
5. Setting up separate networks for students, staff, and teachers, ensuring appropriate access controls and security
6. Integrating content filtering to restrict unwanted content and block harmful sites for students



“ The deployment of Audra’s solution has significantly improved our network infrastructure. The seamless connectivity across our branches and the enhanced security features have brought immense value to our operations. We are now better equipped to deliver quality education with a reliable and secure digital backbone.

Mr. Charles Suriya -
IT Manager, Fairview International School Malaysia





Network Architecture

Network architecture

Implemented network architecture and outcomes

To enhance connectivity and security across all campuses, Fairview International School's networking implementation focused on centralised control, seamless communication, and strong network management, leading to transformative output, including -

1. A centralised VLAN for secure connectivity

A Virtual Local Area Network (VLAN) was established to connect the Kuala Lumpur headquarters with branches in Subang Jaya, Port Dickson, Penang, Ipoh, and Johor. This ensured seamless communication between all locations whilst maintaining a secure and efficient data flow.

2. Audra edge devices for localised control and compliance

Each branch was equipped with Audra edge devices to manage local network traffic whilst enforcing centralised security policies. This setup enhances network reliability, reduces unauthorised access, and ensures consistent compliance with security standards.

3. Cloud-based management for real-time monitoring

The entire network was integrated with Audra's cloud platform, allowing the IT team at headquarters to monitor and manage all branches in real time. This resulted in faster issue resolution, reduced downtime, and a more proactive approach to network security.

4. Future-ready and scalable infrastructure

With a scalable network design, Fairview can easily integrate new branches and expand capacity to meet growing demands. This ensures long-term adaptability and investment protection for future expansion.

The implementation of Audra's networking solution not only strengthened Fairview's IT infrastructure but also enhanced operational efficiency, security, and overall digital learning experiences.

Conclusion

By implementing Audra's secure networking solution, Fairview International School Malaysia successfully addressed its connectivity and security challenges. This project demonstrates Audra's capability to deliver innovative, scalable, and secure networking solutions for educational institutions, empowering them to focus on their core mission of providing exceptional education.



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