School networks that connect and protect

It’s hard to imagine life without mobile devices, online platforms, and messaging platforms. But an ever-connected world entails risk, especially for the youngest users, who are more vulnerable to cyberbullying, trolling, exposure to inappropriate content, online predators, and invasion of privacy. Schools play an important leadership role in preventing, identifying, and educating their students about potentially unsafe online behavior, but they need the right tools to support them. Superloop’s CyberHound has a solution, and some answers. And with HPE OEM Solutions, it’s ready to take its ground-breaking technology beyond Australia and the Asia-Pacific region.

CHALLENGE

Cybersecurity at schools: a balancing act

Schools have limited resources. Classes rely on cloud-based services. And the amount of data and connected devices keeps growing. “We’re seeing four or five mobile devices per student—this is a real challenge for schools to manage,” tells John Fison, CEO at CyberHound. And while cyberattacks usually come from outside, Fison finds a different trend in schools: “the biggest threat is already inside the network, it’s the students themselves.” While some unknowingly download malware and others try to outsmart admins, the greatest risk for schools is limited visibility of internet and network-based activity. “We observed that as schools increasingly moved to online environments they didn’t have the vital visibility to see risks for their students before they escalated,” recalls Fison.

SOLUTION

Intelligence to protect beyond the network

John and his team wanted to help schools protect children: “We designed ClearView, our behavioral analytics platform, with a unique capability to identify concerning online activity on the school network as it is happening and then provide actionable intelligence to the school so they can address the situation proactively and in a timely manner.” Based on advanced behavioral analytics, ClearView has evolved to detect several at risk behaviors, like eating disorders and self-harm, providing valuable insights that enable schools to take action when necessary. This life-changing feature set lies on top of CyberHound’s software for network security and management. For easier deployment, software is preloaded—via HPE OEM—on HPE ProLiant Gen10 servers. “We’re easing the things schools have to do and worry about,” says Fison. Gen10 silicon root of trust provides additional protection at the firmware level, schools rely on local HPE Proactive Care support to maintain mission-critical availability, and CyberHound worked with Aruba to integrate technologies for automated network policy enforcement.

RESULTS

Safer children, better education, anywhere in the world

From granular web filtering to ensure students have access to appropriate online content to preventing a malicious breach to their network via education-focused security capabilities, schools find true value in CyberHound: “We help find that needle in the haystack. This enables schools to provide student support at exactly the right moment,” says Fison. The solution also makes network management simpler. And the integration with Aruba ClearPass Policy Manager can automatically disconnect or quarantine any compromised devices. “It saves schools time and money, so they can focus on education,” Fison explains. Now, schools in any country can benefit from CyberHound’s technology. “As HPE OEM partners, we can confidently go anywhere in the world. Our software runs on the same server, with the same configuration and the same level of service, so it’s very reliable,” concludes Fison.

“It sounds like a very bold thing to say, but we are genuinely saving lives. We hear schools time and time again, telling us we’ve made this impact within their school. That’s the most rewarding part of what we do.”

- John Fison, CEO, CyberHound, a division of Superloop

TRENDS

Swapping workbooks for clouds

From online lessons, to examinations, to class management, schools are becoming more digital. Education technology holds the promise to enable engaging and flexible learning, adaptable to the specific needs and interests of each student.

4-5 connected devices per student

40% of bullying happens online, according to ReachOut Australia

Instant detection of behavioral risks and cyber threats

SOLUTION RECIPE

HPE Hardware

HPE ProLiant DL360 Gen10 Servers

HPE Software

Aruba ClearPass

HPE Pointnext services

HPE Proactive Care

HPE Transformation Solution

Intelligent Storage

BY THE NUMBERS

LEARN MORE

VIDEO

Keeping children safe online: Superloop’s CyberHound + HPE OEM

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