

# Australian National University Fosters a Safer Campus Community with Gigamon



Gigamon ThreatINSIGHT helped us move beyond playing whack-a-mole and chasing every vulnerability, toward a more strategic approach to cybersecurity. It gives us the data we need to build network resilience, reduce our attack surface, and make it harder for threat actors to impact our environment.”

**SUTHAGAR SEEVARATNAM**  
CISO of Australian National University

## CHALLENGE

Strengthen cybersecurity resiliency to protect student, staff, and university data

## SOLUTION

- + Gigamon ThreatINSIGHT™ Guided-SaaS NDR
- + Gigamon GigaSMART®

## CUSTOMER BENEFITS

- + Improved visibility into devices, networks, and traffic across 60 sites
- + Acquired insights required to create a proactive security strategy
- + Built a foundation for a Zero Trust higher education environment
- + Ease of deployment and enterprise-wide visibility

## BUSINESS CHALLENGE

When the renowned Australian National University (ANU) experienced a data breach in 2018, the attack served as a wake-up call for its IT team. According to 2020 global intelligence threat report by NTT, the education sector attracted 38 percent of all attacks last year and was the second-most attacked industry after government. ANU recognized that cyberattacks would be the “new normal,” and took aggressive steps to strengthen its security strategy.

ANU was especially concerned about attacks that combined both ransomware and data exfiltration, making defense against either approach alone insufficient. Protecting its environment was challenging, because the scale and complexity of its physical and virtual infrastructure was comparable to telcos and service providers.

## RESOLUTION

The University was seeking a solution that could deliver the visibility required to understand threats and enable it to apply that knowledge to safeguard its environment and responses. After examining a variety of options, ANU chose Gigamon ThreatINSIGHT Guided-SaaS NDR. ThreatINSIGHT enables the organization to close visibility gaps in devices, networks, and traffic, so it can better discover hidden and emerging threats.

The University deployed more than 350 Gigamon devices across two data centers and more than 60 sites, covering the ANU Acton campus and numerous locations across Australia. The University also deployed virtual network taps to provide visibility into more than 26 VMware ESXi Hosts. ANU deployed GigaSMART to improve visibility into its application traffic. Its built-in sensors feed the NetFlow and application metadata attributes that GigaSMART acquires back to ThreatINSIGHT, providing additional context about how schools are using applications.

## BENEFIT

The Gigamon ThreatINSIGHT solution has enabled ANU to close its visibility gaps and track activity for any device, network, and both north-south and east-west traffic. ThreatINSIGHT examines more than 4600 events per second, while maintaining an average traffic throughput of more than 85 Gbps. ANU feeds detailed data from GigaSMART and ThreatINSIGHT into its Forescout solution, to identify, segment and enforce compliance of every connected device in its infrastructure. The combined solution discovered a huge set of devices exposed to the Internet such as IoT, medical IoT, end-of-life operating systems, and other potential vulnerabilities. Gigamon provides the broad visibility and high-fidelity adversary detections that ANU needs to strengthen their cybersecurity posture to be more strategic and proactive. The solution also provides a foundation for implementing a Zero Trust approach to security in the near future.



Australian National University (ANU) is a world-leading university in Australia’s capital, with more than 21,000 enrolled students. It has seven academic colleges that house multiple schools and research centers that specialize in a variety of disciplines—all relevant, but some unique in Australia and the region.

## ABOUT GIGAMON

Gigamon helps the world's leading organizations run fast, stay secure and innovate. We provide the industry's first elastic visibility and analytics fabric, which closes the cloud visibility gap by enabling cloud tools to see the network and network tools to see the cloud. With visibility across their entire hybrid cloud network, organizations can improve customer experience, eliminate security blind spots, and reduce cost and complexity. Gigamon has been awarded over 90 technology patents and enjoys world-class customer satisfaction with more than 4,000 organizations, including over 80 percent of the Fortune 100 and hundreds of governments and educational organizations worldwide. For the full story on how Gigamon can help you, please visit [gigamon.com](https://gigamon.com).

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