



NXLOG HELPS THE UNIVERSITY OF EAST ANGLIA MEET PCI COMPLIANCE AND MINIMIZE SIEM MIGRATION COSTS



CUSTOMER PROFILE

The University of East Anglia is a public research university in Norwich, England. Established in 1963, its campus has a 16,872 student population as of 2023.

According to Research Excellence Framework (REF), UEA is positioned as a Top 20 research-intensive university and Top 100 Times Higher Education World University Rankings 2023 for research citations. The University displays a Top 30 performance in two main UK charts (The Times/Sunday Times Good University Guide and the Complete University Guide) for 2023.

UEA alums and faculty include 3 Nobel Prize winners, a discoverer of the Hepatitis C and Hepatitis D genomes, a co-inventor of the Oxford–AstraZeneca COVID-19 vaccine, a discoverer of the small interfering RNA, President of the Royal Society, 3 Fellows of the Academy of Medical Sciences and 48 Fellows of the Royal Society.

RELATED INDUSTRIES

- Education
- Public Research and Science
- Business School

BUSINESS DEMAND

- Improve security posture
- PCI DSS compliance

CHALLENGE

Establish a unified log collection pipeline to aggregate events from various sources, including Windows, Linux, and network appliances. Enable ongoing security monitoring and longterm retention of security events.

SOLUTIONS

- NXLog Enterprise Edition
- NXLog Agent Manager

BUSINESS RESULTS

- Improved security posture with centralized log collection
- Achieved PCI DSS compliance
- Minimized SIEM migration costs

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BACKGROUND

Modern academic institutions are susceptible to data breaches and cyber-attacks due to their open and collaborative IT environment with thousands of disparate users and widely adopted BYOD (bring your own devices) practices. Vast volumes of personal and research data make universities ideal targets for cybercriminals.

UEA offers a blended approach to learning and teaching with cutting-edge digital services that enable studying and coaching from anywhere. This includes a remote desktop service to access a campus-based computer and a virtual learning environment to access course materials, submit assignments, and attend online lectures.

With over 700 computers and 6,000 wireless access points across the entire campus, the UEA network provides resilient, fast connections for offices, student residences, and teaching spaces. The network links to an on-site data center, cloud services, and the wider internet. The UEA IT team aims to maintain campus network availability 24 hours a day, seven days a week.

The main focus of the UEA security team is to establish university-wide security policies and maintain a strong security posture that includes balanced endpoint protection, multi-factor authentication, security monitoring, and proactive threat hunting to mitigate cyber-attacks.

PROJECT & SOLUTION

UEA is subject to PCI-DSS compliance and, according to "Requirement 10. Log and Monitor All Access to System Components and Cardholder Data", it was necessary to implement centralized log collection for ongoing monitoring and long-term security logs retention.

The network infrastructure of UEA represents a very diverse set of endpoints, including hundreds of Windows and Linux servers and network appliances such as routers and firewalls. Collecting the necessary security logs from these systems, with their different log formats and output methods, poses a tremendous technical challenge.

UAE chose to roll out agent-based log collection and smoothly deployed NXLog across its infrastructure. They configured NXLog to forward logs to two destinations; the first filters security events from critical systems and forwards them to a SIEM, and the second saves all unfiltered logs to network-attached storage (NAS, cold storage).

NXLog supports both agent-based and agentless log collection. The UEA security team is now looking forward to exploring agentless log collection for better scalability of their security data pipeline.

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“NXLog Enterprise Edition has been chosen among competitors due to its wide integration list, flexible deployment schema, and a solid reputation across the log management market”

**- Andrew Dixon speaking,
Operational IT Security Manager.**

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“Cybersecurity is an evolving thing, and facing the need to migrate from one SIEM solution to another, we found it very easy to accomplish with NXLog”

- Andrew Dixon continues, -

“Autonomous log collection pipeline powered by NXLog Enterprise Edition allowed us to switch between security monitoring platforms without much reconfiguration and save costs”.

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“At UEA, we are really impressed with the product. It's absolutely reliable and does pretty much everything we expect from the log collection software.”

- Andrew Dixon concludes, -

“Also, customer service is excellent. We definitely got the value out of NXLog Professional Services while planning and during deployment”.

SOLUTIONS

NXLog Enterprise Edition

NXLog Manager

NXLog Add-Ons

REQUEST A FREE TRIAL

*For more information on NXLog
visit our **website** , checkout our
integrations' page or **schedule
a meeting** with one of our
representatives*