PROTECTING YOUR CAMPUS FROM CYBER THREATS

CHALLENGES IN HIGHER EDUCATION

INCREASE IN DEVICES

THE AVERAGE STUDENT BRINGS 7 CONNECTED DEVICES TO CAMPUS.\(^1\)

They can make the institution vulnerable to malware, phishing attempts and other malicious activities.

PHISHING IS THE NO.1 DELIVERY METHOD FOR RANSOMWARE AND MALWARE.\(^2\)

CONSTANT CONNECTIVITY

55% OF COLLEGE STUDENTS SAY THEY CAN’T LIVE WITHOUT THE INTERNET.\(^3\)

Because of this, cybercriminals target campuses with DDoS attacks, which prevent students from accessing web sites for learning and personal uses.

DDOS ATTACKS INCREASED BY 71% BETWEEN Q3 2015 & Q3 2016.\(^4\)

DECENTRALIZED DEPARTMENTS

Shadow IT — IT systems and solutions used inside organizations without explicit organizational approval — makes it difficult for central IT departments to protect applications.

BY 2020, 33% OF SUCCESSFUL ATTACKS EXPERIENCED BY ENTERPRISES WILL BE ON THEIR OWN SHADOW IT RESOURCES.\(^5\)

WEB APP ATTACKS ARE THE NO.1 SOURCE FOR DATA BREACHES.\(^6\)

1. \(\text{http://www.edtechmagazine.com/higher/article/2015/10/mapping-path-connected-campus}\)
2. \(\text{https://blog.barkly.com/phishing-statistics-2016}\)
5. \(\text{http://www.gartner.com/smarterwithgartner/top-10-security-predictions-2016/}\)
6. \(\text{https://www.verizondigitalmedia.com/blog/2016/06/verizon-dbir-2016-web-application-attacks-are-the-1-source-of-data-breaches/}\)

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5 STEPS TO MITIGATE THREATS

1. Assess your security landscape.
   Regularly assess your vulnerabilities, deploy new solutions and use third-party security audits.

2. Train staff and students.
   Malware and ransomware often find their way to your network via phishing attacks. Ongoing training can help prevent these attacks.

3. Opt for an as-a-service solution.
   Look for security-as-a-service solutions that provide a single, scalable platform capable of overcoming unreliable networks, congestion, inefficient protocols and malicious attacks.

4. Look to the cloud.
   A cloud-based security solution stops threats closer to the attacker and further away from your campus.

5. Partner with an experienced service provider.
   A trusted vendor can help your institution stay abreast of the latest threats, without taxing existing IT staff.

Akamai can help protect your campus from growing cyber threats. To learn more about Akamai’s suite of security solutions and services, visit: www.akamai.com