

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

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.



1. <http://www.edtechmagazine.com/higher/article/2015/10/mapping-path-connected-campus>
2. <https://blog.barkly.com/phishing-statistics-2016>
3. <http://college.usatoday.com/2011/09/23/college-students-say-access-to-internet-as-vital-as-air-food-water/300-9-cisco-full-2/#main>

4. <https://www.akamai.com/us/en/multimedia/documents/state-of-the-internet/q3-2016-state-of-the-internet-security-report-infographic.pdf>
5. <http://www.gartner.com/smarterwithgartner/top-10-security-predictions-2016/>
6. <https://www.verzondigitalmedia.com/blog/2016/06/verizon-dbir-2016-web-application-attacks-are-the-1-source-of-data-breaches/>

Produced by:

CENTER FOR
DIGITAL
EDUCATION

For:



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