

# **CleanINTERNET<sup>®</sup>** **for Higher Education**

**Intelligence Powered Cybersecurity**

[centripetal.ai](https://centripetal.ai)



**CENTRIPETAL**



# CREATING CYBERSECURITY RESILIENCE IN HIGHER EDUCATION

Higher Education institutions offer unique challenges for cyber defense. The inherent openness of the campus environment and the need for broad access to college systems for all users means that typically restrictions applicable in the enterprise realm are often not applicable.

The high turnover of students and the freewheeling campus culture can create opportunities for hackers to penetrate the network and inflict damage. Users often bring their own devices into the network and the level of cyber hygiene is questionable at best. Additionally, colleges can be attractive targets for hackers due to perceived value of student data, research results and intellectual property, and in some cases access to significant financial heft in the form of legacy trusts or government support.

Higher education is tuned to maintaining a free flow of information, which can be seen in how students and faculty interact with each other. Adherence to security protocols is low on the priority list. This creates an abundance of opportunities for hackers to probe and test the network.

Any approach to securing the campus must be multifaceted. Identity and Access management should be a priority, but the resilience of the network and eradicating malicious network traffic must be top of mind.

# INTELLIGENCE POWERED CYBERSECURITY

The power of learning is well established in every educational institution. We know how valuable knowledge can be in every one of life's pursuits. And similarly, knowledge can be the most important weapon in defending against cyberthreats.

Threat Intelligence is knowledge derived from security research and technology sensors throughout the globe. It provides visibility into the sources and nature of malicious threats that impact institutions, enterprises, and government organizations.

And it is by operationalizing this threat intelligence that a more effective cyber defense posture can be attained.

Colleges and Universities see tremendous value in Centripetal's CleanINTERNET® solution as it takes actionable threat intelligence and applies it at network connection points, shielding against malicious traffic, eliminating risk and neutralizing infections.

# HOW DOES CleanINTERNET® PROTECT THE NETWORK?



Blocks known malicious traffic from entering the campus network. This prevents targeted attacks on the campus infrastructure, protecting vulnerable and unpatched systems, reducing risk of network compromise and data exposure.



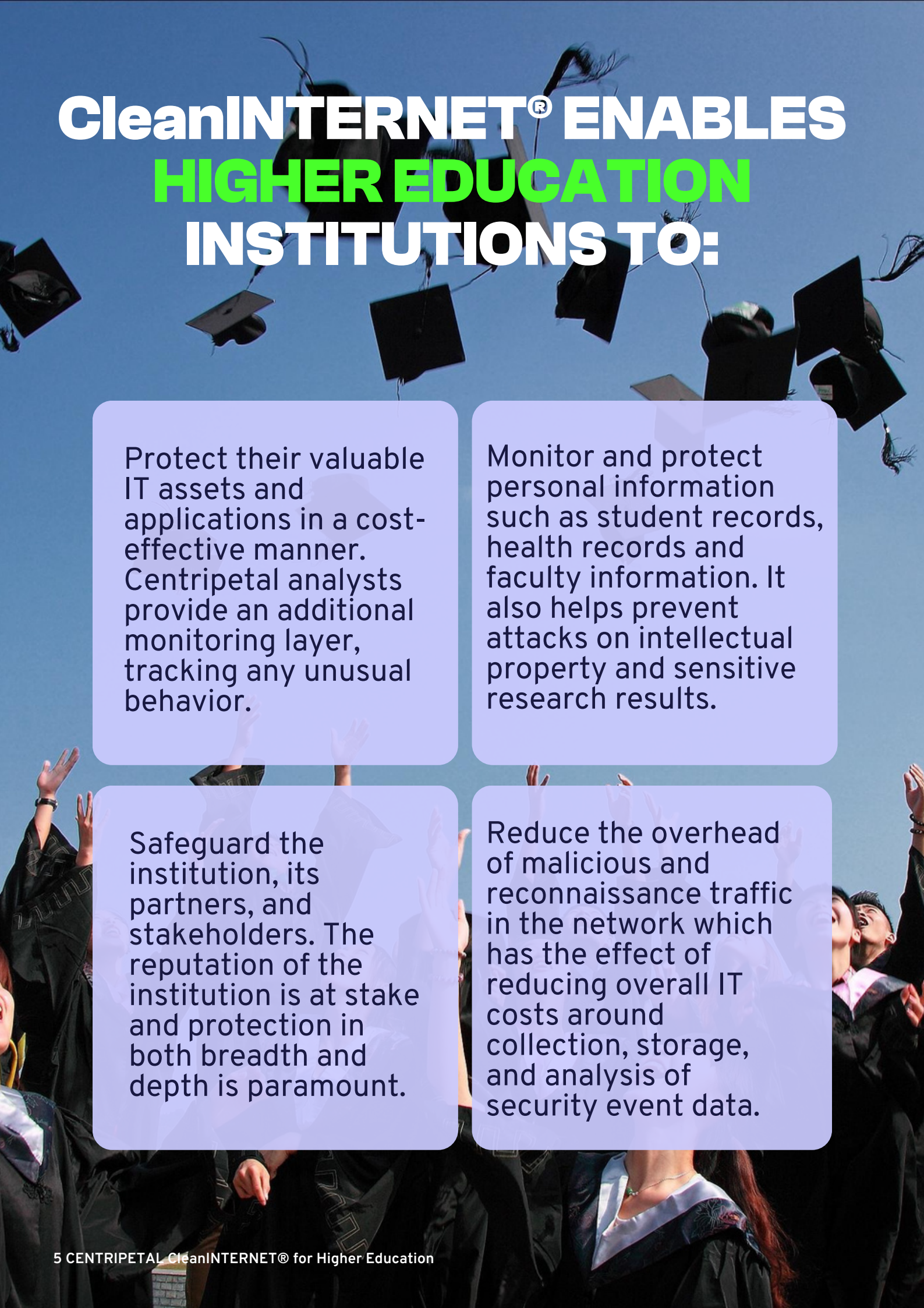
Monitors for unusual traffic and atypical behavior, providing Advanced Threat Detection (ATD) using machine learning, packet capture and automated diagnostic techniques.



Uses the latest threat intelligence to block outbound traffic from any device on the campus network to malicious sites. This neutralizes the impact of infected devices and reduces secondary infections.



Significantly reduces the amount of traffic incident on the network by eliminating reconnaissance activity. This is traffic that, whether benign or malicious, is of no value to the organization and can be effectively eliminated at point of entry based on the latest threat intelligence. This reduces the overall security event load and unburdens network equipment and security operations staff.

A background image of a graduation ceremony with graduates in black gowns and caps, some throwing their caps into the air against a clear blue sky.

# CleanINTERNET® ENABLES HIGHER EDUCATION INSTITUTIONS TO:

Protect their valuable IT assets and applications in a cost-effective manner. Centripetal analysts provide an additional monitoring layer, tracking any unusual behavior.

Monitor and protect personal information such as student records, health records and faculty information. It also helps prevent attacks on intellectual property and sensitive research results.

Safeguard the institution, its partners, and stakeholders. The reputation of the institution is at stake and protection in both breadth and depth is paramount.

Reduce the overhead of malicious and reconnaissance traffic in the network which has the effect of reducing overall IT costs around collection, storage, and analysis of security event data.

# **CleanINTERNET® FOR YOUR UNIVERSITY**

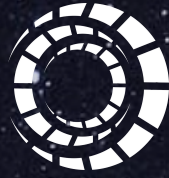
Educational organizations at all levels are finding CleanINTERNET® to be a valuable solution that delivers highly effective protection without requiring significant Security operations investment.

If protection of students, faculty and infrastructure is top of mind for your organization, consider how Centripetal can address your needs and deliver a compelling and cost-effective solution.

## **ABOUT CENTRIPETAL**

Centripetal, the global leader in intelligence powered cybersecurity, is operationalizing the world's largest collection of threat intelligence, in real-time, to protect organizations from every known cyberthreat through its innovative patented technologies.

The company's CleanINTERNET® service delivers the only proactive approach to intelligence powered cybersecurity, leveraging the latest computing technology and skilled operations intelligence analysts, at dramatically lower cost.



# GET STARTED TODAY

For more information on protecting your enterprise using real time threat intelligence please contact us via email or your Centripetal partner.

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