Hewlett Packard Enterprise

Solution brief

CYBER SECURITY BEST PRACTICES TO PROTECT YOUR UNIVERSITY

Defend against ever-evolving ransomware and other emerging threats both on and off campus

Six steps to a comprehensive security strategy:

1. Assess
2. Build
3. Protect
4. Detect
5. Recover
6. Retire

Protecting your school requires more than just a patchwork of security solutions.

Today, safeguarding confidential personal and financial information requires schools to have comprehensive and proactive security. Here's why:

- Institutions of higher education are increasingly connected, with computer technology woven throughout all levels of the organization.
- Faculty, administrators, students, parents, and visitors need access to school networks both on campus and off.
- Classes frequently incorporate state-of-the-art technology and course-specific applications.
- Online classes open your network to students around the world.
- Criminals targeting colleges and universities are increasing the sophistication of their attacks while phishing, ransomware, distributed denial-of-service (DDoS) attacks, and more are becoming commonplace.

What you need is an end-to-end cyber security solution, one that encompasses everything from planning through deployment to end of life with single-pane-of-glass management.

SECURITY BEST PRACTICES

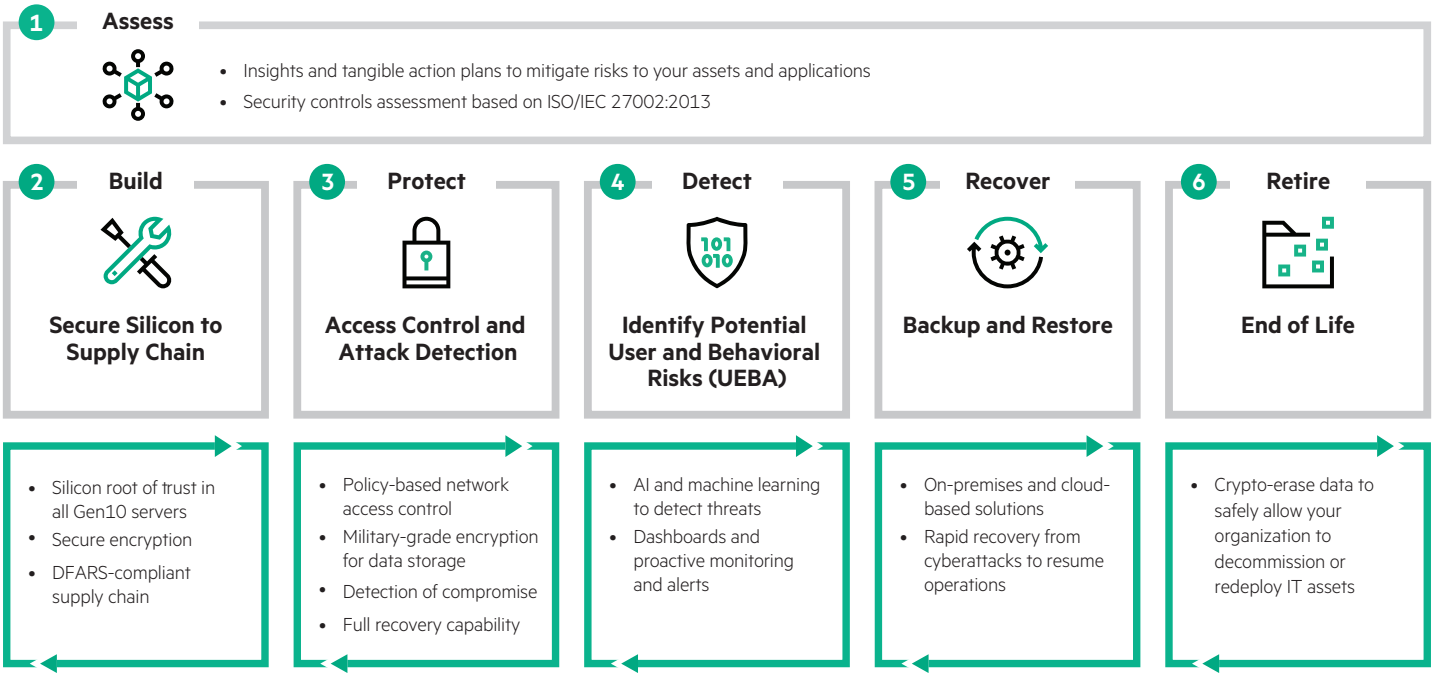
HPE follows a holistic security strategy to protect your institution's infrastructure from "cradle to grave." From the hardware supply chain to your device's end of life, HPE provides comprehensive security to detect and prevent unauthorized access as well as rapid recovery from disasters. To do all of this, we focus on six key steps throughout the life cycle of your infrastructure:

1. Assess: Before building any cyber security solution, you will need a plan. HPE can help you determine exactly what solution your school needs to meet your specific security challenges. Our **HPE Pointnext Services** experts can provide insights and tangible action plans to mitigate risks to your assets and applications.

   We follow ISO/IEC 27002:2013 guidelines to choose the right solutions for your particular needs and threat environment.

2. Build: Today's threats are constantly evolving to infiltrate your network. With HPE, you can protect your infrastructure through a secure root of trust, available in all **HPE Gen10 servers.** While we carefully choose our partners and suppliers, our encrypted root of trust adds an additional layer of protection

AN END-TO-END SECURITY APPROACH



Looking for an as-a-service offering?

Consider **HPE GreenLake** consumption solutions for all phases of the security life cycle. Experience the agility and economics of public cloud with the security and performance of on-premises IT.

[1] "HPE Get 6-Nines Guarantee, HPE Nimble Storage," September 2017.

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by cryptographically validating the integrity of HPE's DFARS-compliant supply chain from silicon to your data center.

3. Protect: Access control and threat detection protect your HPE infrastructure with policy-based network-access control, military-grade encryption for data storage, intrusion detection, and full recovery capabilities. With **Aruba ClearPass**, you can easily take charge of your network, prevent unauthorized access to sensitive student and university information, and further harden your network against cyberattacks.

4. Detect: HPE takes a proactive approach to monitoring. With user and entity behavior analytics (UEBA), our infrastructure uses AI and machine learning to detect threats and flag any suspicious activity.

   HPE Integrated Lights-Out (iLO) can help you configure, monitor, and update your HPE servers seamlessly, and HPE iLO Advanced gives even more cyber security control with runtime firmware validation. With **HPE InfoSight**, you have full visibility in a single pane of glass.

5. Recover: Get your students and faculty back to work quickly. HPE leverages on-premises and cloud-based solutions to provide backup and rapid recovery from cyberattacks. **HPE Nimble Storage**, for example, leverages flash storage and predictive analytics to eliminate the gap and guarantee 99.9999% availability, delivering the best all-flash capacity per terabyte in the industry—and future-proofing design for value today and in the future.[1]

6. Retire: When the time comes to retire your hardware, HPE can help you safely decommission or redeploy your IT assets. **HPE iLO Advanced** can securely erase user data, ensuring that your servers are wiped clean before end of life.

WHY HPE

Our holistic approach to cyber security protects your organization throughout your infrastructure's life cycle. But don't take our word for it. Marsh, a global leader in cyber insurance, has worked with other leading insurance companies to create the Cyber Catalyst℠ program to establish a baseline for cyber security solutions and recognize those that are compliant. Both HPE's exclusive root of trust and Aruba ClearPass are certified under the Cyber Catalyst program for their ability to reduce risk.

GET STARTED

Cyber security is a critical issue for educational institutions today, but HPE can help you navigate the risks. Let us protect your school—and more importantly your students—with the holistic security needed to address threats both today and tomorrow.

LEARN MORE AT

hpe.com/security

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