Hewlett Packard Enterprise

KEEPING STUDENTS AND EMPLOYEES SAFE AND SECURE WITH HIGH-PERFORMANCE COMPUTING (HPC)

Leveraging thermal imaging, AI, and HPC solutions to protect students, faculty, government staff, and the public

Key benefits of getting back to work and to campus with HPE:

- Fever detection:
  - High accuracy (±0.3°C)
  - Automation
- Touchless entry:
  - Touchless capabilities
  - Seamless convenience
  - Next-generation security
- Social-distancing tracing and tracking:
  - Advanced technology
  - One-click reporting
  - Investment protection

As the world gets back to work, security in today's new normal goes beyond maintaining physical and cyber protection. It must also include the ability to assess and take measures to maintain public health, especially when educational institutions and state and local governments are concerned. The public sector has the added task of safely and effectively managing large numbers of people coming and going, requiring solutions that address these three key areas:

- **Physical security:** Securing buildings for authorized personnel is just the beginning. Additional measures are needed to ensure the safety of all involved, such as contact tracing and automated identity management.

- **Health security:** In the public sector, preventing the spread of disease requires an approach that combines procedural measures like mask-adherence guidelines with the latest intelligent technologies for monitoring and risk management.

- **Cyber security:** As more employees, students and faculty work from home and more devices are added to the network edge, cyberattack surfaces continue to increase. The public sector has also become a prime target for sophisticated attacks, requiring a holistic approach to protecting data, devices, and identities.

TRANSITION BACK TO WORK SAFELY AND SECURELY

With high performance computing (HPC) from HPE, you can deliver the type of integrated physical, health and cyber security measures needed to help keep your organization and the people entrusted to your care both safe and secure—as they return to work and to campus. HPE HPC solutions include best-in class people, technology, and partners for today's AI-driven security workloads.

HPE Pointnext Services combine the needed expertise, services and financial support with third party components in an HPC environment to deliver the following safety and security capabilities:

1. Fever detection: Our **thermal imaging** solution enables you to combine body-temperature data with video and AI to identify individuals with elevated body temperatures, providing real-time alerts to those individuals and to staff to help keep workers, students and the public safe and facilities virus-free. HPE offers high accuracy, with temperature measurements to within ±0.3°C and adjustments for environmental factors. Our world-class facial-recognition

HOW HPE IS ENABLING COMPREHENSIVE SAFETY AND SECURITY FOR THE PUBLIC SECTOR

HPE Pointnext Services for transitioning to today's new normal with security solutions, services and financial support for fever detection, touchless entry, and social distance tracing and tracking.

HPE GreenLake for managing costs during economic uncertainty with an infrastructure service that combines the agility and economics of public cloud with the security and performance of on-premises IT.

HPE infrastructure solutions for powering your HPC environment. Our solutions scale up or scale out, on-premises or in the cloud, to suit your workloads and economic requirements.

Comprehensive Security from HPE

- Thermal Imaging
- HPE Pointnext Services
- HPE GreenLake
- HPE Apollo servers
- HPE Nimble Storage
- HPE holistic cyber security approach

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

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algorithm enables monitoring of an individual's temperature history and relative temperature differential compared to peers. Optimize traffic flows and gain real-time alerts so that you can stay ahead of the curve.

2. Touchless entry: Hands-free access means germ-free access. With **Next-generation Access Control,** you can leverage multifactor authentication in combination with facial recognition, mobile phone identification and/ or smart door controller to enable access to a facility. This eliminates the need to touch common surfaces like doorknobs and card readers thereby helping to reduce the spread of viruses and bacteria. Our advanced Next Gen Access Control solution enables both proactive real-time alerts of unauthorized piggybacking entries and double authentication for enhanced access control.

3. Social-distance tracing and tracking: Our real-time streaming analytics, proactive smart alerts, and 3D spatial awareness give you the ability to monitor an individual's location history, determine who is interacting with whom, and support social-distancing compliance—all with one click. By leveraging your existing surveillance cameras and our artificial intelligence, you can protect your capital investments, while our fixed-price enterprise licensing makes sure that your operating expenses are clearly defined.

HPE GREENLAKE

Deploy your HPC solution effortlessly and on schedule with **HPE GreenLake,** featuring the agility and economics of public cloud with the security and performance of on-premises IT. With HPE GreenLake, everything is a service, and you never need to pay for more than you use. You can lower your CapEx and still run what you need to deliver the comprehensive security needed to get everyone back to work safely.

HPC SERVERS AND STORAGE

The HPE portfolio of enterprise products embraces industry standard and emerging technologies to create purpose-built, high-density systems that bring scale, efficiency, and versatility for HPC. Economically deliver the needed performance and capacity to run your security workloads with **HPE Apollo** high-density, scalable two-unit servers. Radically simplify operations and deploy safety and security workloads on flash arrays, converged infrastructure, and public cloud with **HPE Nimble Storage**. With flash storage and predictive analytics, HPE Nimble Storage eliminates the gap and guarantees 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]

SECURE, AGILE IT

Protecting your infrastructure is vital, especially with the increase in teleconferencing and telecommuting. HPE can improve your cyber security with a holistic approach to protect your organization's infrastructure from the hardware supply chain to your device's end of life. By running applications in HPE's Ezmeral container platform orchestrated by Kubernetes, you can create a more agile and efficient IT organization while efficiently utilizing machines that would otherwise be idle, ensuring the security and performance you need without overpaying.

GET STARTED

Move forward with confidence. Gain the comprehensive security you need at a price you can afford with unmatched automation, expertise, and integration of HPC solutions from HPE.

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