



# Tomorrow starts with a Solution

CyberCore Technologies, in partnership with Hewlett Packard Enterprise, has released their National Institute of Standards and Technology Enabled Infrastructure solution called SecurStak. SecurStak is the **world's first secure, scalable, and cloud-enabled data center** that combines leading data center products with NIST security standards and guidelines, delivered using CyberCore Technologies' ISO 28000:2007 and ISO 20243:2015 certified secure supply chain risk management methodology. This unique approach significantly reduces the risk associated with counterfeit or maliciously tainted products being introduced into the supply chain. SecurStak enables the end user to procure pre-configured, tested, and authorized data center systems with strong security features, reducing the time required to receive an Authorization to Operate.



## SecurStak

### Technology that enables change

Software defined automation and the proliferation of open standards are quickly transforming Information Technology objectives into technology solutions, rather than individual components like a server, a virtualization platform, or a software product. Change that drives enhanced security and lower operating expense starts with a flexible, secure and repeatable information technology framework.

**Framework Architecture**

IT solutions often depend on the same core infrastructure: servers, storage and network. Built from the core infrastructure, organizations provide services ranging from e-mail to analytics to organization specific services and applications. The SecurStak framework provides servers, storage (block, file, object), network, management delivered via cloud and/or automated infrastructure.

**Flexible & Scalable**

SecurStak provides architecture for Red Hat KVM (RHEV) in a pre-tested, secure and ATO friendly architecture. Accented with a "pay for use" model.

**Secure & Repeatable**

SecurStak is complete with 250+ NIST Security Controls, Implementation Language, Nessus XML output and PEN Tests.



## SecurStak simply makes "cents"



The cost for an organization to develop, implement and PEN test security controls and baselines can easily exceed \$250,000 per security baseline.

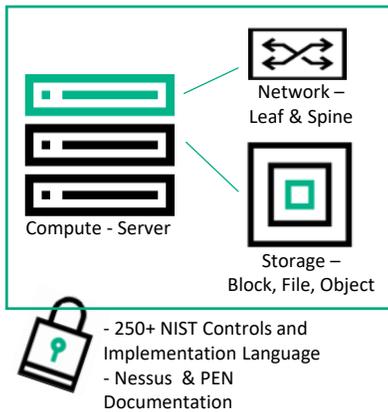
**The objective:** Provide a rapid path to an authorized data center. SecurStak provides about 85% of the documentation needed for an organization to acquire an authorization, **allowing the customer to go to an ATO status within weeks, not months.**

# Allowing solution providers to focus on value-add activities

SecurStak delivers data center systems (servers, storage, network) complete with a NIST enabled, PEN tested framework, delivered using an ISO certified secure supply chain risk management methodology; allowing customers to focus on building specific value-add solutions for customers.

## Design Objective: Security

SecurStak first priority: Maintain a secure IT environment. An accountable security infrastructure requires change to occur within the environment without posing significant change to the security profile.



## Configuration Details

SecurStak is built upon HPE DL380 and DL360 server, HPE Apollo 4530 and CEPH for Object Storage, Arista Leaf and Spine Network, HPE 3PAR 8400 for High Performance Block Storage, and a Key Management appliance.

SecurStak is built on Red Hat technology to include KVM hypervisor, CEPH for object storage and OpenShift for containers.

Operational management for the security control implementation language is built on AlienVault SIEM. SecurStak is designed to be standalone or integrated into a data center, and provides Doubletake to assist with the migration of virtual and physical workloads to SecurStak.



# SecurStak



SecurStak is built to save you time and money. With all of the security controls, implementation language and PEN testing with your purchase of an SecurStak solution.

## Controls, Language and PEN

The implementation of an information technology solution must integrate security standards. Security standards are delivered for many environments via the NIST 800-53 security controls and delivered as a security baseline (a collection of the security controls) often referred to as an Authorization to Operate or ATO. The implementation and validation of the security baseline is completed with the Penetration Test (PEN) exposing potential threats to the infrastructure.

The process of establishing security controls, security baselines and PEN tests is standard operating procedure for many organizations, and often required by the US Government for Federal agencies. Security baselines are established for each business deliverable, for example: email, file sharing and internal applications.

The cost for an organization to develop, implement and PEN test security controls and baselines can easily exceed \$250,000 per security baseline.

SecurStak delivers over 250 NIST controls, implementation language, and PEN testing with every solution... as a free value-add to HPE customers. The delivery of a NIST enabled environment is very attractive to integrators and customers, as SecurStak will provide

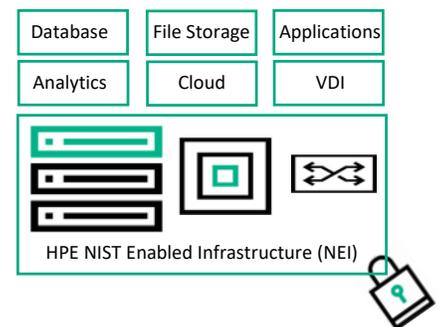
approximately 85% of the documentation needed for an authorized security baseline (ATO for the US Federal customers).

With the implementation of SecurStak solutions, integrators and consumers will be able to focus less on core infrastructure and more on specific organizational needs.

## The Market is changing

Converged, hyper-converged, software defined, and cloud are all validation points that customers seek solutions, not components. The aforementioned solutions abandon customers at the last mile: forcing customers to build their security controls and baselines.

SecurStak bridges that last mile, providing a NIST enabled framework that can be implemented to provide IT services like analytics, IoT, Cloud applications, etc..



## Addressable Market

The total addressable market for Cloud is \$1.4 billion dollars. Cloud is only one example of the market that SecurStak will address. The market is changing, SecurStak enables the move from components to secure solutions: **SecurStak is the solution for today and tomorrow.**

Learn more at [www.SecurStak.com](http://www.SecurStak.com)

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