



# Ericom Shield Remote Browser Isolation on Nutanix Acropolis

**“Perfect prevention of breaches isn’t possible; you must assume compromise. Thus, part of your strategy must be the isolation and containment of an attacker’s ability to do damage.”**

- Gartner, “Innovation Insight for Remote Browser Isolation”

The web browser is one of the most vulnerable attack vectors, through which a majority of unknown malware penetrates organizations through user endpoints. Some attacks originate from a URL link embedded in an email or a message, some attacks inject malicious scripts into legitimate website totally hidden from traditional security measures such as anti-virus, firewall and URL filtering. There are also attacks stealing end user CPU power to mine crypto currencies. Even though browsing is a common and essential business practice in almost all organizations, and despite the array of products aimed at protecting the endpoint, users are still susceptible to browser-borne threats. Securing corporate assets from continuous threats associated with Internet connectivity is a constant nightmare for InfoSec departments. Some of the highest profile Cyber Security breaches started with a seemingly benign website that introduced a piece of malware into the corporate network. The costs and damages associated with recovering from one of these attacks can be insurmountable.

Ericom Shield is an award winning Remote Browser Isolation (RBI) platform that offers a secure approach to protecting against web-borne threats. With Shield, users can browse the Internet by using virtual browsers located in remote, isolated, and disposable Linux containers. A secure visual stream that is transmitted from the container to the browser on the user’s device provides natural business-critical access and interaction with the websites being browsed, while protecting the endpoint and the corporate network from malware and other threats such as crypto mining. The centrally-managed solution is compatible with all common browsers, operating systems and devices.

## SIMPLE SCALABLE WEB BROWSER PROTECTION

Nutanix delivers transparent infrastructure for next-generation enterprise computing, elevating IT to focus on the applications and services that power their business. By natively converging server and storage resources into the turnkey Xtreme Computing Platform that is easy to deploy and manage, Nutanix has helped large and small IT organizations simplify their data center and gain predictable performance, linear scalability, and cloud-like infrastructure consumption.



**“On the Radar:  
Ericom Shield provides secure  
browsing facilities (©Ovum 2018)”**

Ericom Shield is named as a Next-Gen Anti-Malware Solution for Cyber Defense Magazine’s 2018 InfoSec Awards

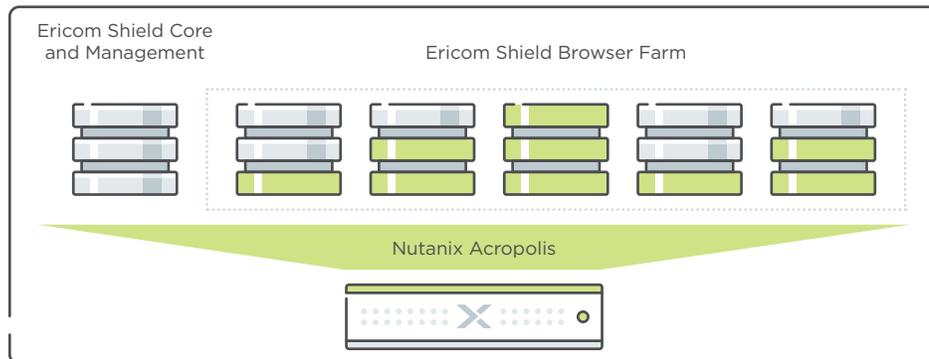
Remote Browser Isolation offloads all browsing compute usage from the endpoint devices to the data center or Nutanix cloud. The systems hosting the browser containers must be fast, scalable, and robust. This is why Nutanix and Ericom joined forces to deliver an enterprise-grade security solution for securing web browsing at the world’s largest organizations. Nutanix solutions natively converge server and storage resources into a single, 100% software-defined appliance that can run Ericom Shield, at any scale.

The joint Nutanix and Ericom solution is the ideal fit for organizations who require the utmost security for their user’s web browsing activities. By isolating web browsing on scalable hyperconverged Nutanix infrastructure, security-minded customers have control of the workload, helping eliminate a potential attack vector of running on a public service platform.



## SOLUTION ARCHITECTURE/HOW IT WORKS

Ericom Shield uses Linux based containers to run core administrative features as well as the remote browser farm. The remote browser farm consists of Linux container images purpose built for secure remote web browsing. Each user browser tab generates a new container, so over the course of a day there could be thousands or even millions of active containers securing end-user browsing activities. Nutanix's Enterprise Cloud and AHV technology matches this use case by providing a turnkey solution that can meet the computing and scalability demands of securing end-user's browsing at the largest organizations.



## KEY SOLUTION BENEFITS

Here are the main benefits of the solution:

- Stop malicious attacks, such as ransomware, before infection occurs
- Clientless – nothing to install on the end-user device
- Stop hackers from evading detection and infiltrating your network, reducing risk of expensive breaches
- Device agnostic – solution supports all devices, browsers and operating systems
- Empowers users with the confidence to browse the web without fear of data exploits ransomware, phishing, adware and other threats
- Proactively protect against threats contained in web downloaded files



## NUTANIX READY VALIDATION

- Ericom Shield is certified as Nutanix Ready – Networking and Security
- Ericom Shield supports the Nutanix AHV hypervisor



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**“Ericom uses remote browser isolation techniques to provide the layered, defense-in-depth protection that businesses of all sizes need.”**

- OVUM

## RESOURCES AND GETTING STARTED

Nutanix and Ericom are committed to our customers' success. To find out more about the joint solution please visit: <https://www.nutanix.com/partners/technology-alliance-program/ericom/>

To find out more about Ericom Shield's Remote Browser Isolation (RBI) technology, please visit: <http://www.EricomShield.com>

## ABOUT ERICOM

Ericom (<https://www.EricomShield.com>) is a global leader in Enterprise-grade Cybersecurity and Connectivity Software. Founded in 1993, Ericom provides solutions to a global customer base of more than 30,000 midsize to Fortune 500 organizations. With a focus on application delivery, cloud enablement, and secure browsing, Ericom is trusted by customers in over 45 countries and serves more than eight million users.

Contact Ericom about joint partnership: [Ericom@Nutanix.com](mailto:Ericom@Nutanix.com)

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