

CAPTURE, DETECT AND RESPOND TO THREATS WITH VMWARE'S APPDEFENSE: A NEW APPROACH TO ENSURING GOOD APP BEHAVIOUR



While worldwide spending on cybersecurity is forecasted to reach **\$133.7 billion** in 2022¹, today hackers attack **every 39 seconds** - on average 2,244 times a day²



THESE NUMBERS ARE ONLY SET TO INCREASE, DUE TO:



New modern and agile models of application development



Constantly evolving threat landscape and environments

CYBER SECURITY INVESTMENT – THE CHALLENGES

Many organisations use government approved security frameworks to help implement best practice solutions for their ever-evolving environments. However, for each solution comes a new challenge.



Recon



Weaponise



Deliver



Exploit



Control



Execute



Maintain



SOLUTION

Stop threats at the delivery phase of the attack chain

CHALLENGE

Staying ahead of an infinite number of new threats



SOLUTION

Address threats at latter stages of the chain where attacks are more defined and finite

CHALLENGE

Lack of visibility into how applications behave



SOLUTION

Use whitelisting to solve this problem, letting good apps run and nothing else

CHALLENGE

Apps change too quickly for rigid whitelisting rules to keep up with

INTRODUCING APPDEFENSE: ENSURING GOOD APPLICATION UNDERSTANDING

VMware have continued to evolve their vision around security with AppDefense, offering a better way to protect your environment.



Ensure Good

Focuses on how applications behave vs infinite threats



Gain Visibility

Makes it easy to collect context about how apps behave

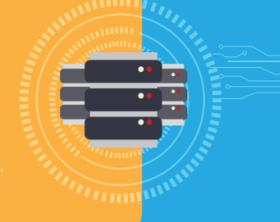


Be Adaptive

Dynamically adapts to changes with higher-order intelligence

VMWare's Goal

The realisation of a complete data centre virtualisation platform – its own digital foundation.



VMWARE'S APPDEFENSE – AT A GLANCE

AppDefense is a powerful new tool using unique properties of virtualisation, application visibility, isolation and automation to capture, detect and respond to application activity in the data centre.

Isolated from the attack surface so **security controls can't be disabled**



A **single product** that protects applications in virtualised environments

Built directly into the virtualisation layer



A part of **virtual machine architecture** that most organisations are already running



No additional agent to install

HOW APPDEFENSE WORKS: DISCOVER AND PROTECT

AppDefense works in two phases, by discovering and protecting applications from the virtualisation layer:



Phase One: Discover

- Define the roles of your applications
- Gain deep visibility into the behaviour of each application
- Verify the app's behaviour is good with App Verification Cloud



Phase Two: Protect

- Detect deviations from known good application behaviours
- Analyse alerts autonomously, reducing alert fatigue
- Automatically respond with custom actions

FURTHER STRENGTHEN SECURITY WITH APPDEFENSE PLUGINS

Integrations with vSphere, NSX and Carbon Black Serves as a bridge to the AppDefense full SaaS offering while providing a unique one-two punch for stopping application threats inside the virtualised data centre.



vSphere Platinum plugin

- Provides relevant security context in vCenter
- Enables virtualisation teams to make bigger security contributions
- Provides insight into what every VM is used for and potential issues
- Dramatically reduces attack surface with minimal disruption



NSX Plugin

- Automatically deploys security group and policies
- Flags up anomalies detected in applications
- Provides insight into what every VM is used for and potential issues



Carbon Black acquisition

- Shows how a given data centre endpoint is meant to behave
- Determines which data centre endpoint is part of which application
- Captures all in-guest and inter-guest activity
- Locks down intended state of endpoints
- Detects escalating application risk profiles
- Prevents attacks in real-time based on behaviour

AppDefense makes it simple for you to ensure good behaviour. While providing deep visibility that gives you an understanding of how applications are behaving, AppDefense adapts security policies intelligently, keeping up with the pace of application change.

Ready to find out more about VMware's AppDefense?

We have a number of infrastructure and cloud assessments to help understand your requirements, followed by a workshop to define how AppDefense can fit into your strategy. Contact us to start your digital foundation journey.

hello@phoenixs.co.uk 01904 562200 www.phoenixs.co.uk

