



Lenovo ThinkShield Solutions Guide

# CLOSE YOUR I.T. SECURITY BLIND SPOTS **BEFORE THEY CLOSE YOUR BUSINESS.**



vPro™ Platform



Windows 10

Windows 10 Pro means business.

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technology  
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Lenovo

## AVOIDING THE FALLOUT

It's almost daily that reports emerge of another large company suffering a cybersecurity breach, resulting in severe fallout for their business.

### THESE BREACHES COULD HAVE BEEN PREVENTED

Or at least, contained before causing irreparable damage.

### EVERY BUSINESS DECISION MADE REQUIRES SECURITY TO MATCH

Otherwise vulnerabilities can be created and exploited.

Comprehensive and customizable end-to-end IT security significantly reduces the risk of being compromised and can have tremendous business benefits.

ThinkShield goes beyond simple endpoint security, with solutions that create huge efficiencies, streamline IT administration, improve the end-user experience, and provide a platform for businesses to compete safely.

**2/3**

of businesses that suffered a breach **DIDN'T EVEN KNOW THAT THEY'D BEEN BREACHED** for several months.<sup>1</sup>

<sup>1</sup> Verizon: 2018 Data Breach Investigation Report  
[https://enterprise.verizon.com/resources/reports/DBIR\\_2018\\_Report.pdf](https://enterprise.verizon.com/resources/reports/DBIR_2018_Report.pdf)



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## WHAT IS THINKSHIELD

ThinkShield is Lenovo's portfolio of secure Think devices, software, processes, and services—customizable for your business needs and budget to help keep you ahead of dangerous breaches.



THINKPAD  
X1 EXTREME

### SECURE SUPPLY CHAIN

Rigorous, trackable, and auditable security standards are built into every step of our secure supply chain.



### LENOVO INNOVATIONS

We practice security by design.



### WORLD-CLASS PARTNERS

We've partnered with the industry's most trusted security providers to provide deeper and broader protections.



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# PEOPLE COME FIRST

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ThinkShield was developed on a core set of beliefs about how best to serve users, admins, and businesses.



## STRONG SECURITY FUNDAMENTALS ALLOW I.T. TO DRIVE GROWTH

When IT can spend more time on the big picture and less time on small issues—password resets, updates, patches, etc.—they can serve a more critical role as drivers of innovation and growth.



## SECURITY THAT INTERFERES WITH PRODUCTIVITY IS UNACCEPTABLE

If device security slows down your people or stands in their way, they'll find ways to circumvent it and leave you just as vulnerable as you were to start—if not worse. ThinkShield keeps security out of the end-user's way and much more manageable for admins.



## DON'T LET INNOVATION OUTPACE SECURITY

Every action taken to outpace competitors can open you up to new threats. Hackers can infiltrate the smallest vulnerability—like an unsecured IoT device or a new cloud app—to infiltrate your business. To ensure security of every endpoint requires solutions that can adapt.



## MAKING THE RIGHT DECISION NOW REDUCES COSTS AND PAYS RETURNS

Technical debt accumulates when you solve security issues one at a time, with solutions that weren't designed to work together. Choosing a comprehensive and customizable solution reduces sunk costs and creates new cost efficiencies.



## SECURITY SHOULD COVER THE ENTIRE DEVICE LIFECYCLE

Protections need to be in place before your PC is even built. From product development through disposal, security is at the forefront of every product and service that we offer.



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# RAPID CHANGE BRINGS RAPID PROLIFERATION OF NEW SECURITY THREATS

We're exploring some of the most significant security trends and questions so that organizations can better understand the intricacies and importance of end-to-end security that can adapt as your business faces new challenges.

1. ZERO TRUST STRATEGY
2. HOW SECURITY DRIVES GROWTH
3. WINDOWS 10 SECURITY

**View more on our website**  
[www.Lenovo.com/ThinkShield](http://www.Lenovo.com/ThinkShield)

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# TRUST NOTHING. VERIFY EVERYTHING.

Solid advice—but how do you get there? Companies who want to improve their ability to defend against cyberthreats operate on a zero trust basis. But it's a daunting task, especially across a large enterprise. ThinkShield provides tools to help you build your zero trust environment.

## THINKSHIELD CAN PROTECT YOUR DATA

### Persistent Endpoint Management

Visibility and access to every endpoint, no matter where it's operating. Ensures that safeguards like encryption and anti-malware are active and the device is up to date with patches, etc.



### Data Encryption

Whether data lives on a device hard drive or in the cloud, ThinkShield can encrypt it from end to end so sensitive data can be safely shared.



### Multifactor Authentication

Windows Hello<sup>2</sup> and the Intel® Authenticate Solution combine biometrics and other factors like GPS location to restrict device access to only authorized users.



### Lenovo Wi-Fi Security

Uses behavioral rules and defined lists to notify users when connecting to untrusted public networks by warning them of suspicious access point behavior.



### WINDOWS INFORMATION PROTECTION<sup>1</sup>

Control how your employees use your business data—preventing them from copying customer or financial data into social media apps, for example— while ensuring all business data is encrypted and accessible only by those who need it.

### INTEL® SSDs

Self-encrypting Intel Pro SSDs seamlessly integrate with Windows BitLocker, allowing IT to encrypt devices while retaining control of encryption keys. Intel® Remote Secure Erase then also allows IT to securely wipe Intel® Pro SSDs in seconds.

<sup>1</sup> Windows Information Protection requires either Mobile Device Management (MDM)\* or System Center Configuration Manager\* to manage settings.

<sup>2</sup> To use Windows Hello with biometrics specialized hardware, including fingerprint reader, illuminated IR sensor, or other biometric sensors is required. Hardware based protection of the Windows Hello credential/keys requires TPM 1.2 or greater; if no TPM exists or is configured, credentials/keys protection will be software-based.



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# HOW CAN INVESTING IN SECURITY DRIVE BUSINESS GROWTH?

You're already losing to your competition if you think of IT security as a sunk cost, rather than an investment that drives returns. With the right solutions in place, IT can spend less time setting up, monitoring, and securing devices and more time implementing technology that helps your business innovate.

## 86%

of businesses that **BELIEVE IN SECURITY'S** ability to open new business opportunities saw **10%+ REVENUE GROWTH** year-over-year.<sup>1</sup>

### END-USER BENEFITS

## 76%

of employees think their company prioritizes security over their own ability to get work done.<sup>3</sup>

### IT BENEFITS

## 75%

of IT security personnel say they are not keeping up with software patching.<sup>2</sup>

### COVER AN EVOLVING THREAT SURFACE WITH MORE PROACTIVE PROTECTIONS

Provision and patch remotely and in bulk with Intel® Active Management Technology

Reduce security risks by automatically keeping drivers and third party applications up to date with Lenovo Patch for SCCM

Reduce time and money wasted on password resets with the Intel® Authenticate Solution

### BOOST PRODUCTIVITY WITH EASY-TO-USE THINKSHIELD SOLUTIONS

FIDO authentication provides safer and faster online login experiences

Glance presence detection automatically locks the machine when the user steps away

Windows Defender Antivirus provides malware protection that stays out of the user's way

<sup>1</sup> Vodafone: Cyber Security Research: The Innovation Accelerator  
<https://www.vodafone.com/business/white-paper/cyber-security-research-the-innovation-accelerator>

<sup>2,3</sup> Ponemon Institute: The Cost of Insecure Endpoints  
<https://www.absolute.com/en-gb/go/reports/the-cost-of-insecure-endpoints>



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# HOLDING OUT ON MAKING THE SHIFT TO WINDOWS 10?

There are important reasons not to wait. Over 360,000 new malicious files are created daily,<sup>1</sup> and holding onto an old OS could put you at increased risk. When you're ready to upgrade your protection, Lenovo is here to help you get the most from the enhanced security of Windows 10.

## EASING THE TRANSITION

### Secure Devices

New Lenovo Think devices feature built-in ThinkShield protections that lock down your devices and data without ever slowing down your team. It's the simple and secure way to make the shift to Windows 10.

### Lenovo Win10 Transition Workshop

Lenovo's expert consultants provide a customized plan to ensure your successful transition to Windows 10. We even offer a full end-to-end review of security workflows, providing personalized recommendations for an optimized Windows 10 implementation.



**Windows 7 PCs will no longer receive security updates after January 14, 2020.**

## THE MOST SECURE WINDOWS EVER

### Windows Hello

Use your face, finger, or PIN for the fastest, most secure way to unlock your windows devices.

### Windows BitLocker & BitLocker To Go<sup>2</sup>

BitLocker & BitLocker to Go protect against loss of business information by encrypting data on your devices, even when a device is lost or stolen.

### Windows Defender System Guard<sup>3</sup>

Secure and validate the integrity of the device's firmware, OS, and system defenses so that only trusted software can run during start-up.



<sup>1</sup> Kaspersky: Kaspersky Security Bulletin 2017, [https://www.kaspersky.com/about/press-releases/2017\\_kaspersky-lab-detects-360000-new-malicious-files-daily](https://www.kaspersky.com/about/press-releases/2017_kaspersky-lab-detects-360000-new-malicious-files-daily)

<sup>2</sup> Requires TPM 1.2 or greater for TPM based key protection.

<sup>3</sup> Windows Defender System Guard's boot time integrity protection requires the use of UEFI 2.3.1 or greater with Secure Boot. The optional remote integrity validation capability using the Windows Windows 10 Commercial Devices Storybook Defender System Guard cloud service requires TPM 1.2 or greater and a management system that supports remote attestation capabilities (e.g.: Intune and System Center Configuration Manager).



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## WORKING TOGETHER TO FORTIFY YOUR BUSINESS

Lenovo's ThinkShield, Intel, and Microsoft link arm-in-arm to defend your company from security threats, offering built-in protection straight out of the box. While older devices can leave you vulnerable to breaches, a modern Lenovo device with Windows 10 Pro powered by the Intel® vPro™ platform offers you protection that's customizable, always up-to-date, and designed to keep your workforce productive.



[Explore ThinkPad & ThinkCentre](#)



[Explore ThinkStation](#)



[Explore ThinkSmart](#)



[Explore Data Center](#)

## DON'T LEAVE YOUR BUSINESS UNPROTECTED

We'll help customize the right solution for your business.

Click below to visit our website and connect with a security specialist.

[Request A Consultation](#)



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