Microsoft

Microsoft Security for SMB's

Joey Badalament Sep 28th 2021

The era of flux and transformation

Everyone is now in the technology business

Conventional security tools have not kept pace

Security professionals alone can't fill the gap

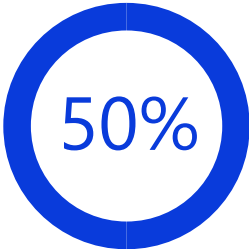**Regulatory requirements and costs are increasing**

WHICH CAN HAVE SEVERE BUSINESS CONSEQUENCES...

MODULE 1

"Someone was fooled by the email from the CEO and used his Corp card to send the iTunes gift cards.
We lost about $5,000."
—SMB customer• 150 employees

50%

50% of small businesses have experienced an attack in the past year [1]

"The only reason we caught it was that it was a 6-digit sales order and our sales orders are a 7 digit."
— SMB customer• 250 employees
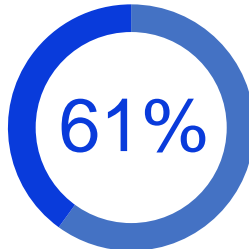
61%

of small businesses that experienced a recent cyberattack were not able to operate.[2]

"They got someone's password, and sent an email to our CFO, who sent the $40,000 wire transfer."
— SMB customer• 150 employees

$149K

average cost of a SMB data breach.[3]
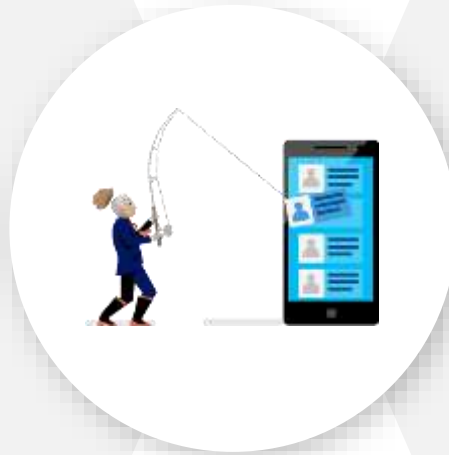
INGRAM MICRO CLOUD

AMIDST A BACKDROP OF INCREASED COVID-19 RELATED CYBERATTACKS

MODULE 3

COVID-19 Exploited by Malicious Cyber Actors

"…groups and cybercriminals are targeting individuals, small and medium enterprises, and large organizations with COVID-19-related scams and phishing emails."

Department of Homeland Security, April 8, 2020, CISA Alert (AA20-099A)


WHO reports fivefold increase in cyber attacks, urges vigilance

"Since the start of the COVID-19 pandemic, WHO has seen a dramatic increase in the number of cyber attacks directed at its staff, and email scams targeting the public at large."

World, Health Organization, 23 April 2020 News release

INGRAM MICRO CLOUD

Phishing attacks

A Northwind Traders employee receives an email with a link to a secure document, ostensibly from a well-known organization. They enter their credentials to view the document, but the document fails to load. **They move on to other work and forget about the glitch.**
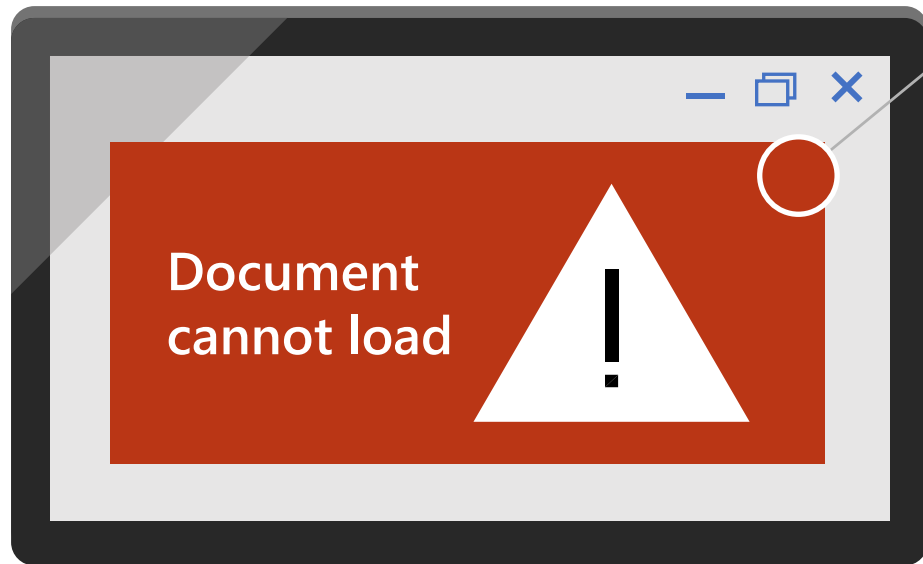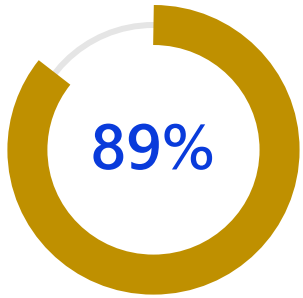
This was a phishing attack. They just delivered their username and password to hackers, who can now use it to access email and other online accounts, including Northwind Traders systems and data.
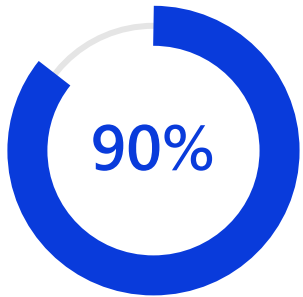
Document cannot load

250%

Increase in phishing email detections from January to December 2018 worldwide.[1]

89% 89% of SMB customers see cyber security as the top priority in their orgs

90% 90% SMBs would consider hiring a new managed services provider (MSP) if they offered the right cybersecurity solution
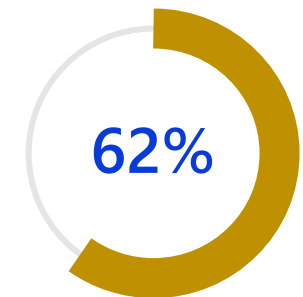
62% 62% SMBs lack the skills in-house to deal with security issues.[3]

[3] Underserved and Unprepared: The State of SMB Cyber Security in 2019

WHY SHOULD SMB's INVEST IN SECURITY?

MODULE 3

SMB customers are not equipped to manage IT security on their own

Lack of expertise

Not enough resources

Less familiar

Overwhelmed

INGRAM MICRO CLOUD

Microsoft Secure Score

Microsoft Secure Score is a representation of your organization's security posture, and your opportunity to improve it.

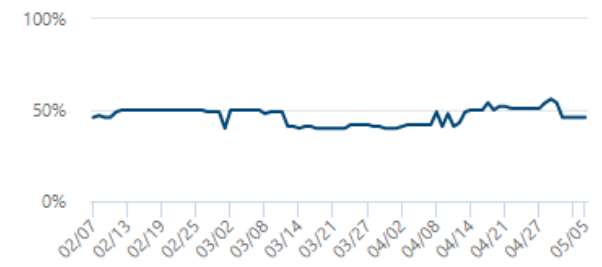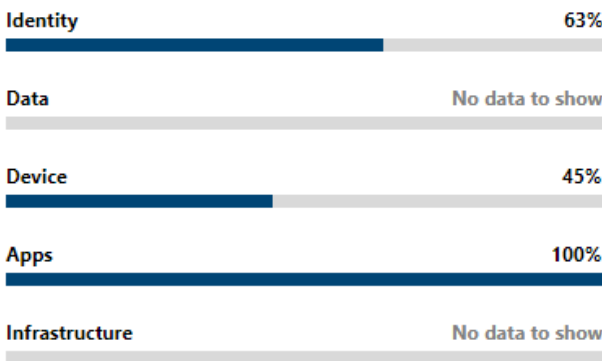Applied filters: ⏚ Filter
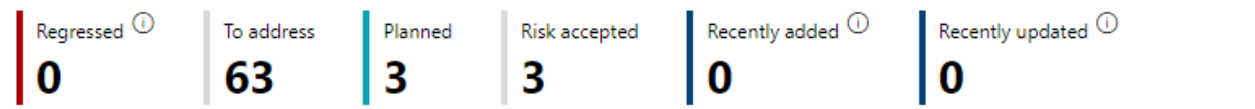
Your secure score

Include ⌄

Secure Score: 46%

379/820 points achieved

Breakdown points by: Category ⌄

Identity	**63%**
Data	No data to show
Device	**45%**
Apps	**100%**
Infrastructure	No data to show

■ Points achieved   ▢ Opportunity

Actions to review

Regressed ⓘ	To address	Planned	Risk accepted	Recently added ⓘ	Recently updated ⓘ
0	**63**	**3**	**3**	**0**	**0**

Top improvement actions

Improvement action	Score impact	Status	Category
Turn on Microsoft Defender Application Guard managed mode	+1.1%	● Risk accepted	Device
Block credential stealing from the Windows local security authorit...	+1.1%	○ To address	Device
Use advanced protection against ransomware	+1.1%	○ To address	Device
Block execution of potentially obfuscated scripts	+1.1%	○ To address	Device
Block Office applications from injecting code into other processes	+1.1%	○ To address	Device
Block executable content from email client and webmail	+1.1%	○ To address	Device
Encrypt all BitLocker-supported drives	+1.1%	○ To address	Device
Turn on PUA protection	+1.1%	● Risk accepted	Device
Block▒▒▒▒▒▒▒▒▒ from creating child processes	+1.1%	○ To address	Device

View all

Comparison

Your score	46%
Organizations like yours	No data to show
Custom comparison	24%
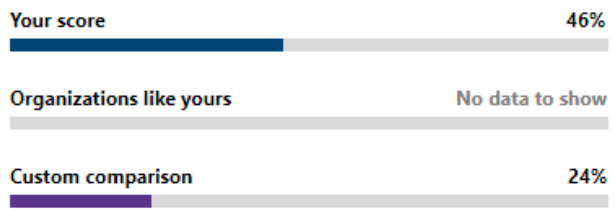
Manage comparisons

Resources

Read about Secure Score capabilities
Learn about the improvement actions and how to improve your score.

Do more with the Secure Score API
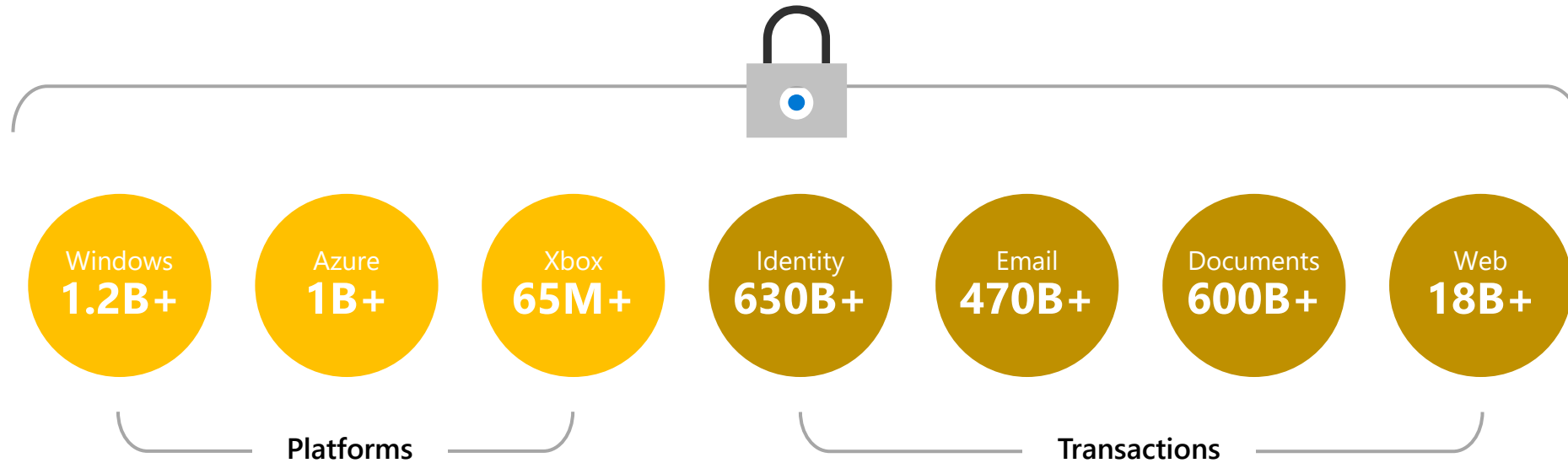Learn how to use the API to take your monitoring and reporting even further.

History   Messages from Microsoft

                                                                                                      ⑦ Need help?   Give feedback

Comparison of Microsoft 365 and Office 365

Features		Microsoft 365 Business Standard	Microsoft 365 Business Premium	Office 365 E3
Estimated retail price per user per month $USD (with annual commitment)		$12.50	$20	$20
Maximum number of users		300	300	Unlimited
Office Apps	Install Office on up to 5 PCs/Macs + 5 tablets + 5 smartphones per user (Word, Excel, PowerPoint, OneNote, Access), Office Online.	Business	Business	ProPlus
Email & Calendar	Outlook, Exchange Online	50 GB	50 GB	100 GB
Hub for Teamwork	Chat-based workspace, online meetings, and more in Microsoft Teams	●	●	●
File Storage	OneDrive for Business	1 TB/user	1 TB/user	1 - 5+ TB/user
Social, Video, Sites	Stream, Yammer, Planner, SharePoint Online[1], Power Apps[1], Power Automate[1]	●	●	●
Business Apps	Scheduling Apps—Bookings[2]	●	●	●
	Business Apps— MileIQ[2]	●	●	
Threat Protection	Microsoft Defender for Office 365		●	
	Windows Exploit Guard enforcement		●	
Identity Management	Self-service password reset for hybrid Azure Active Directory accounts		●	
	Azure Multi-Factor Authentication, conditional access policies		●	
Device & App Management	Microsoft Intune, Windows AutoPilot, Windows Pro Management		●	
	Upgrade rights to Windows 10 Pro for Win 7/8.1 Pro licenses		●	
	Windows Virtual Desktop		●	
Information Protection	Microsoft data loss prevention		●	●
	Azure Information Protection Plan 1, BitLocker enforcement		●	
Compliance	Unlimited email archiving[3]		●	●
On-Premises CAL rights	ECAL Suite (Exchange, SharePoint, Skype)			●

Call To Action

1) Migrate to Microsoft 365 if you haven't already done so.

2) Migrate to Microsoft 365 Business Premium or Microsoft 365 E3 subscriptions if you haven't already done so.

3) Implement MFA with Microsoft 365 if you haven't already done so.

4) Leverage tools like Secure Score to see what Security Postures need immediate attention.