



Above the clouds

protecting Microsoft

Jelle Niemantsverdriet
National Security Officer




@jelle_n



[linkedin.com/in/jelleniemantsverdriet/](https://www.linkedin.com/in/jelleniemantsverdriet/)





Reliability?

Or Trust?

It's Friday, 5pm: "We think we have a problem.."

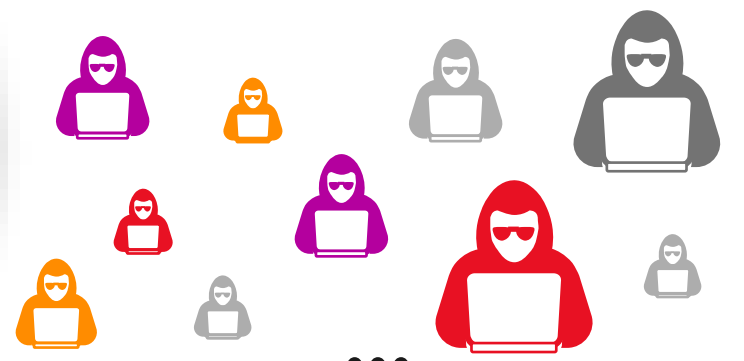


A hyperscale cloud provider inherits...

Customer Regulations



Customer Adversaries



Microsoft's Security Strategy

Diplomacy



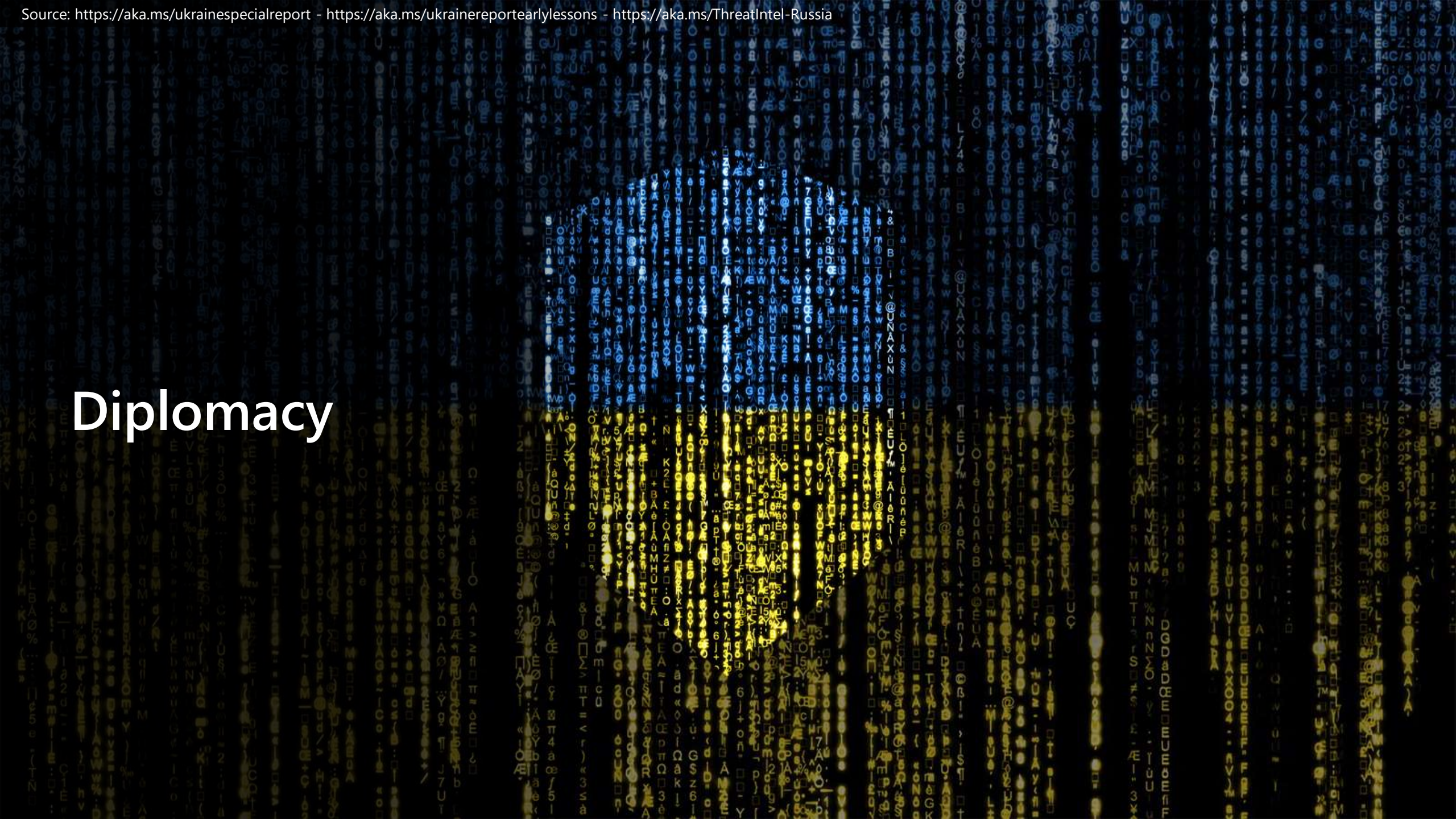
Disruption



Defence



Diplomacy



THIS WEBSITE HAS BEEN SEIZED



OPERATION COOKIE MONSTER

Genesis Market's domains have been seized by the FBI pursuant to a seizure warrant issued by the United States District Court for the Eastern District of Wisconsin. These seizures were possible because of international law enforcement and private sector coordination involving the partners listed below.

To determine if you have been victimized, visit:
haveibeenpwned.com or politie.nl/checkyourhack

Been active on Genesis Market? In contact with Genesis Market administrators?
Email us, we're interested: FBIMW-Genesis@fbi.gov



Disruption



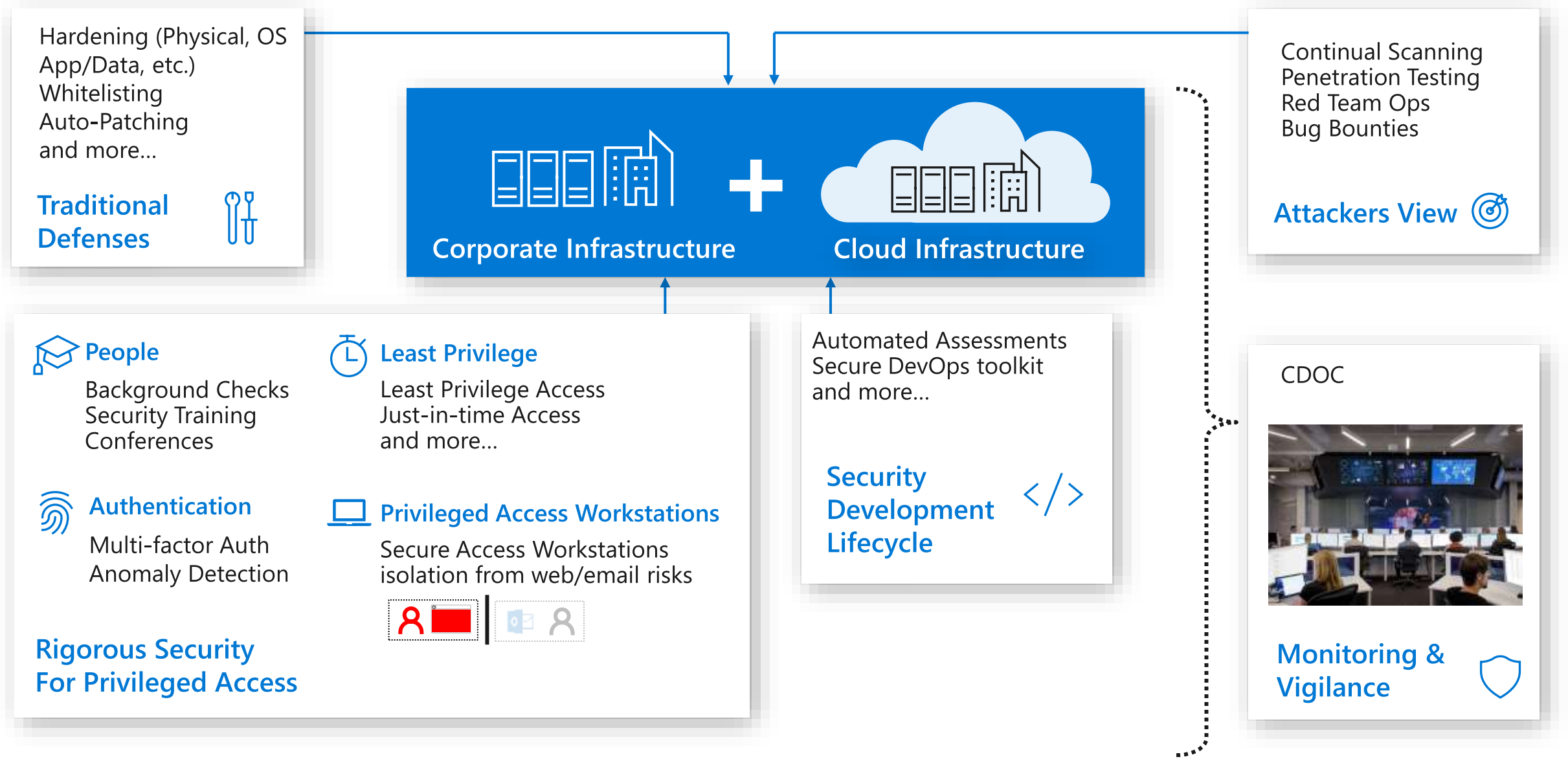
Defence: Are we talking about security *of* the cloud...



...or security *in* the cloud?



Defence: Microsoft protecting Microsoft




But it's a shared responsibility



NOT RESPONSIBLE
FOR ACCIDENTS

**One cloud is not like
the other**



The (almost) 10 laws of Cybersecurity Risk



#1 Security success is ruining the attacker's Return on Investment

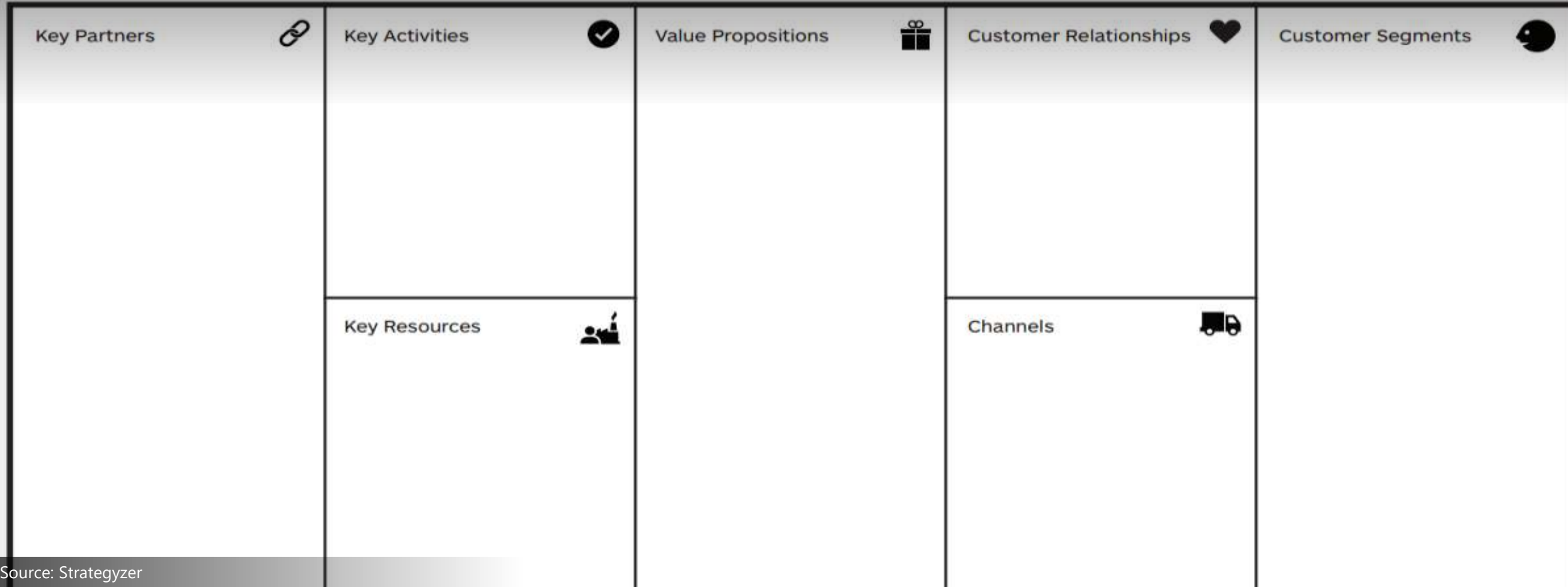
The Business Model Canvas

Designed for:

Designed by:

Date:

Version:



Attackers have switched to (unsolicited) Backup Awareness Training™

CryptoLocker

Your important files encryption produced on this com
documents, etc.

If you see this text, but do not see the "CryptoLocker" win
deleted "CryptoLocker" from compute
files, you have to recover "CryptoLocker"
"CryptoLocker" in the Internet
from the link give
1002.exe

Fundamental hygiene matters

98%

Basic security hygiene
still protects against
98% of attacks

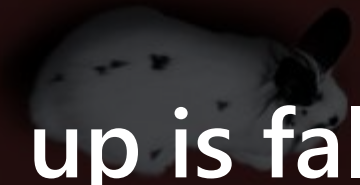


Key

-  Enable multifactor authentication
-  Apply Zero Trust principles
-  Use modern anti-malware
-  Keep up to date
-  Protect data

#2 Not keeping up is falling behind

1



2



3



4



5



So take the first leap to just get started...!



#3 Productivity always wins



#3 Productivity always wins



#4 Attackers don't care



#5 Ruthless prioritisation is a survival skill



Focus on what really causes harm



So: better *Buienradar* or just take your umbrella?



Security "the museum way"



Resilient: be able to respond and recover



#6 Cybersecurity is a team sport



Data sharing across our supply chain...

VENDOR RISK ASSESSMENT QUESTIONNAIRE TEMPLATE

VENDOR TYPE	GOVERNING BODY	DATE OF LAST UPDATE

ID No.	CATEGORY	QUESTION REFERENCE	ADDITIONAL INFORMATION
1.0	Information Security		
1.1	Does your organization maintain a security program?		
1.2	Who is responsible for managing the security program?		
1.3	Does your organization have a public Information security policy?		Request a link to policy
1.4	What guidelines does your security program follow?		
2.0	Data Center Security		
2.1	Do you work in a shared office space?		
2.2	Is there a protocol in place for operations when your office is inaccessible?		
2.3	Is there a policy in place for physical security requirements for your business?		
2.4	What are the geographic locations of your data centers?		
3.0	Web Application Security		
3.1	What is the name of your web application? What is its function?		
3.2	How do you report application security vulnerabilities?		
3.3	Does your web application have an SSL certificate?		
3.4	Does your application offer single sign-on (SSO)?		
4.0	Infrastructure Protection		
4.1	Do you use a VPN?	National Institute of Standards and Technology (NIST)	

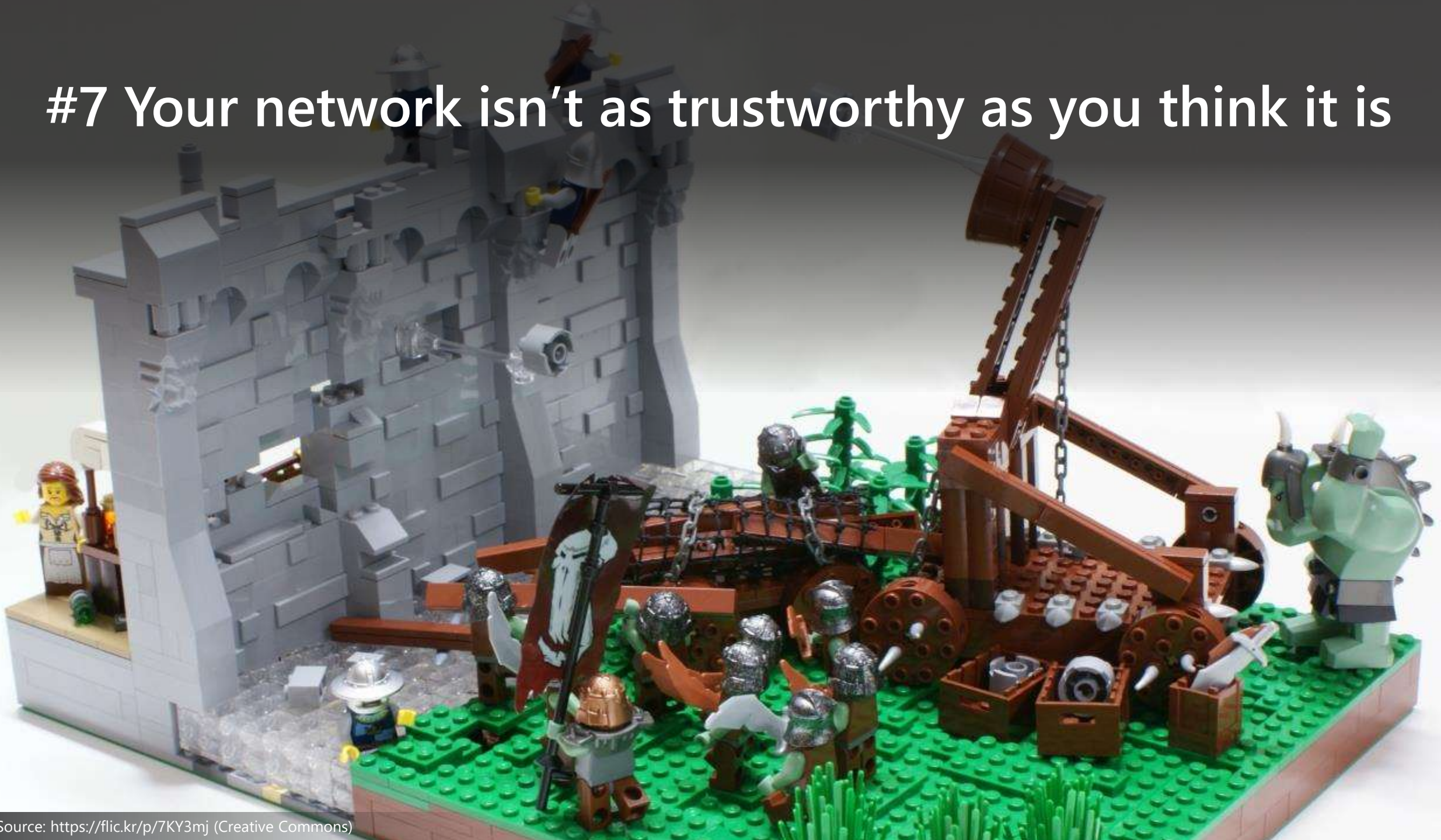
Are we partner or supplier?



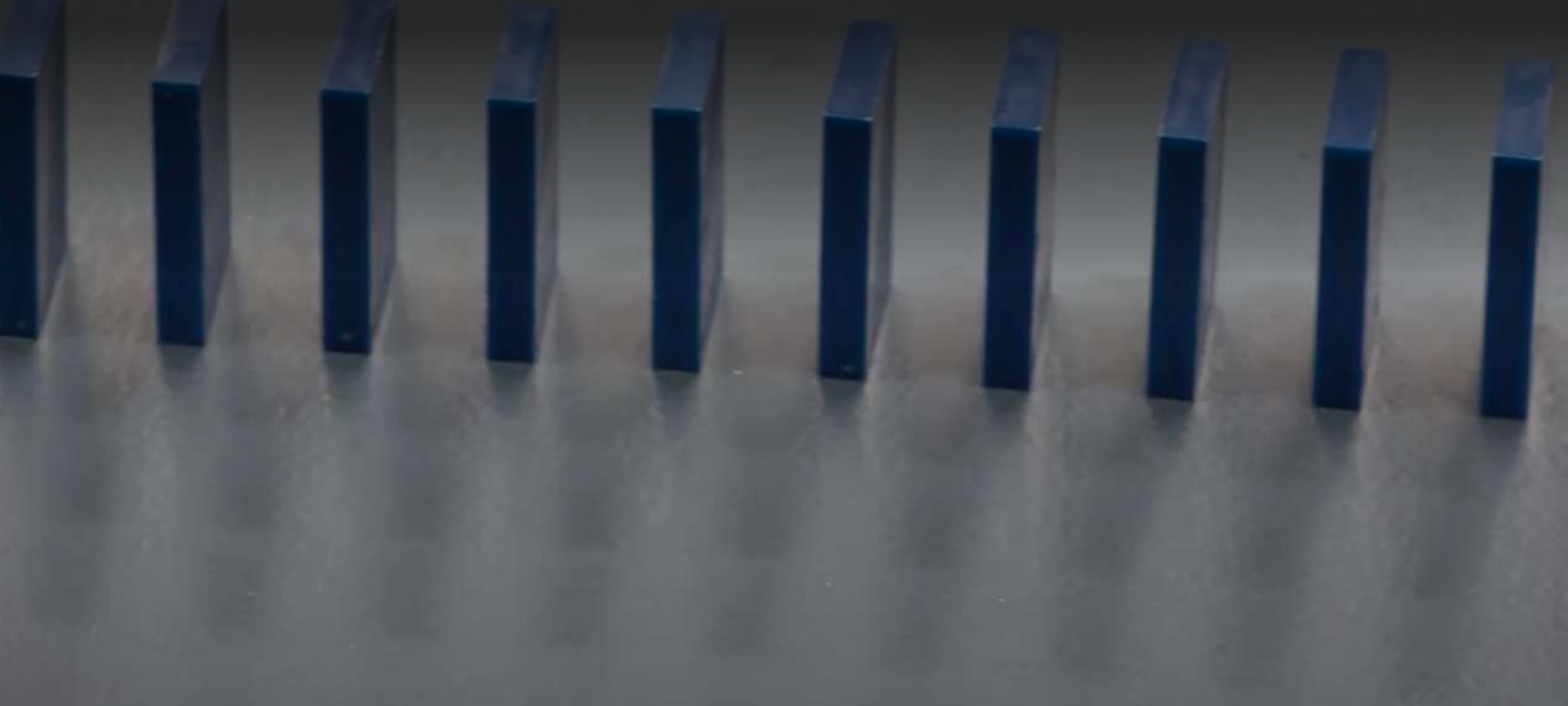
Scale matters



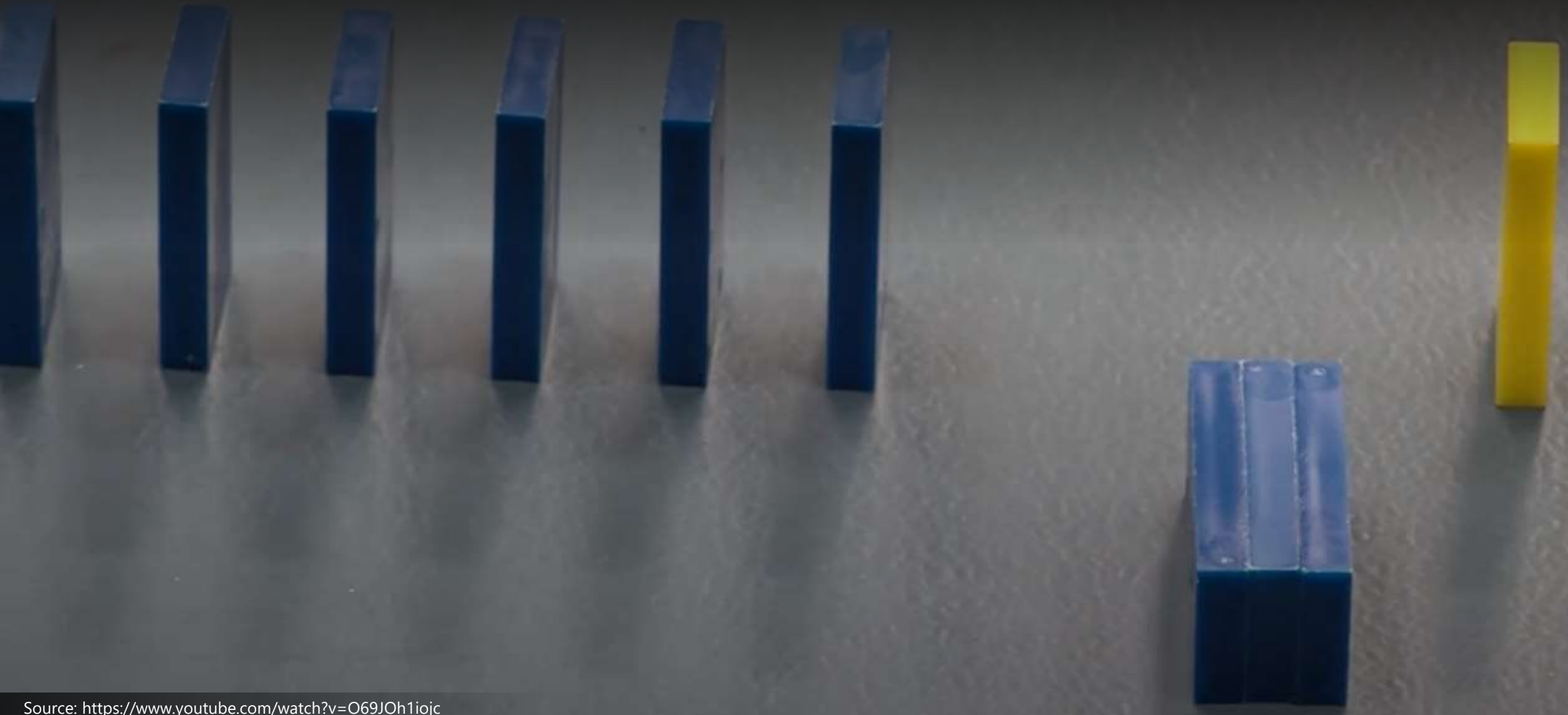
#7 Your network isn't as trustworthy as you think it is



Zero trust: Assume breach



Zero trust: Assume breach & minimise impact



Zero trust: Verify explicitly



Zero trust: Use least privileged access



#10 (yes, we skipped 8 and 9) Technology doesn't solve people and process problems





Announcing

Microsoft Security Copilot

#11 (bonus)

**Let security be
the keel
to control drift**



Which questions
can I answer for you?



How can we get our organisations on their bikes?



Thank you!

Jelle Niemantsverdriet



jelle.niemantsverdriet@microsoft.com



[@jelle_n](https://twitter.com/jelle_n)



[linkedin.com/in/jelleniemantsverdriet/](https://www.linkedin.com/in/jelleniemantsverdriet/)

