



Above the clouds

protecting Microsoft
and your data

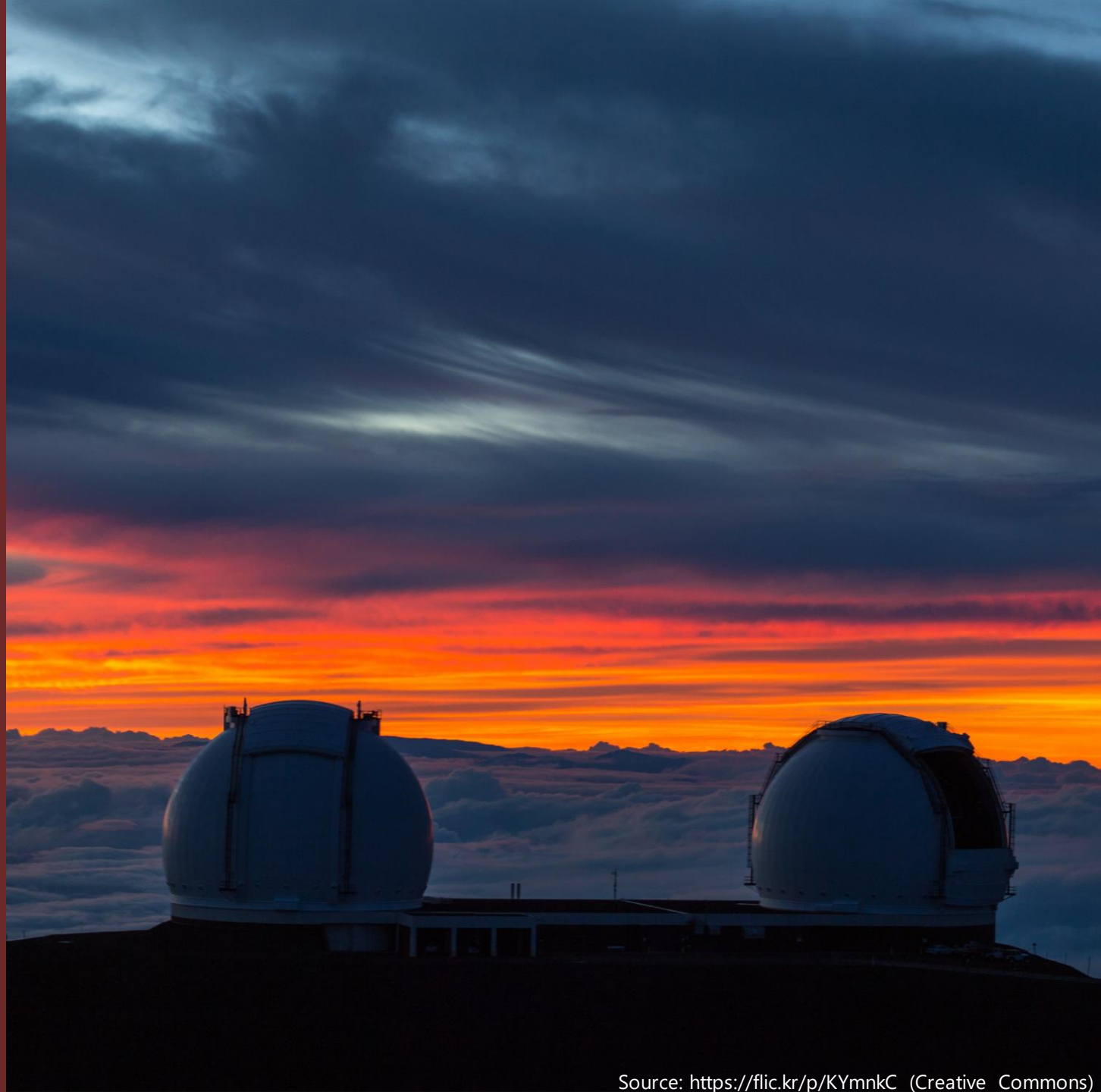
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Source: <https://flic.kr/p/KYmnkC> (Creative Commons)

A photograph showing a person's hands and legs as they assist a young child in riding a white bicycle. The person, wearing a grey long-sleeved shirt and dark blue jeans, is holding the child's hands on the handlebars. The child, wearing a pink and blue plaid shirt, light blue leggings, and pink sneakers, is sitting on the bike. The background is a blurred outdoor setting with green foliage and a paved path.

Confidence.
Or Trust?



One cloud is not like
the other

Whose responsibility is it anyway?

NOT RESPONSIBLE
FOR ACCIDENTS

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



...or security *in* the cloud?



Scale matters and scale helps

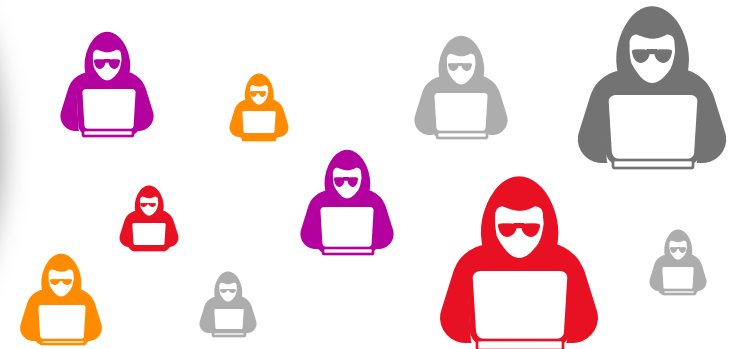


A Cloud Provider inherits...

Customer Regulations



Customer Adversaries



The New York Times

As Tanks Rolled Into Ukraine, So Did Malware. Then Microsoft Entered the War.

After years of talks about the need for public-private partnerships to combat cyberattacks, the war in Ukraine is stress-testing the system.

Sustain a government



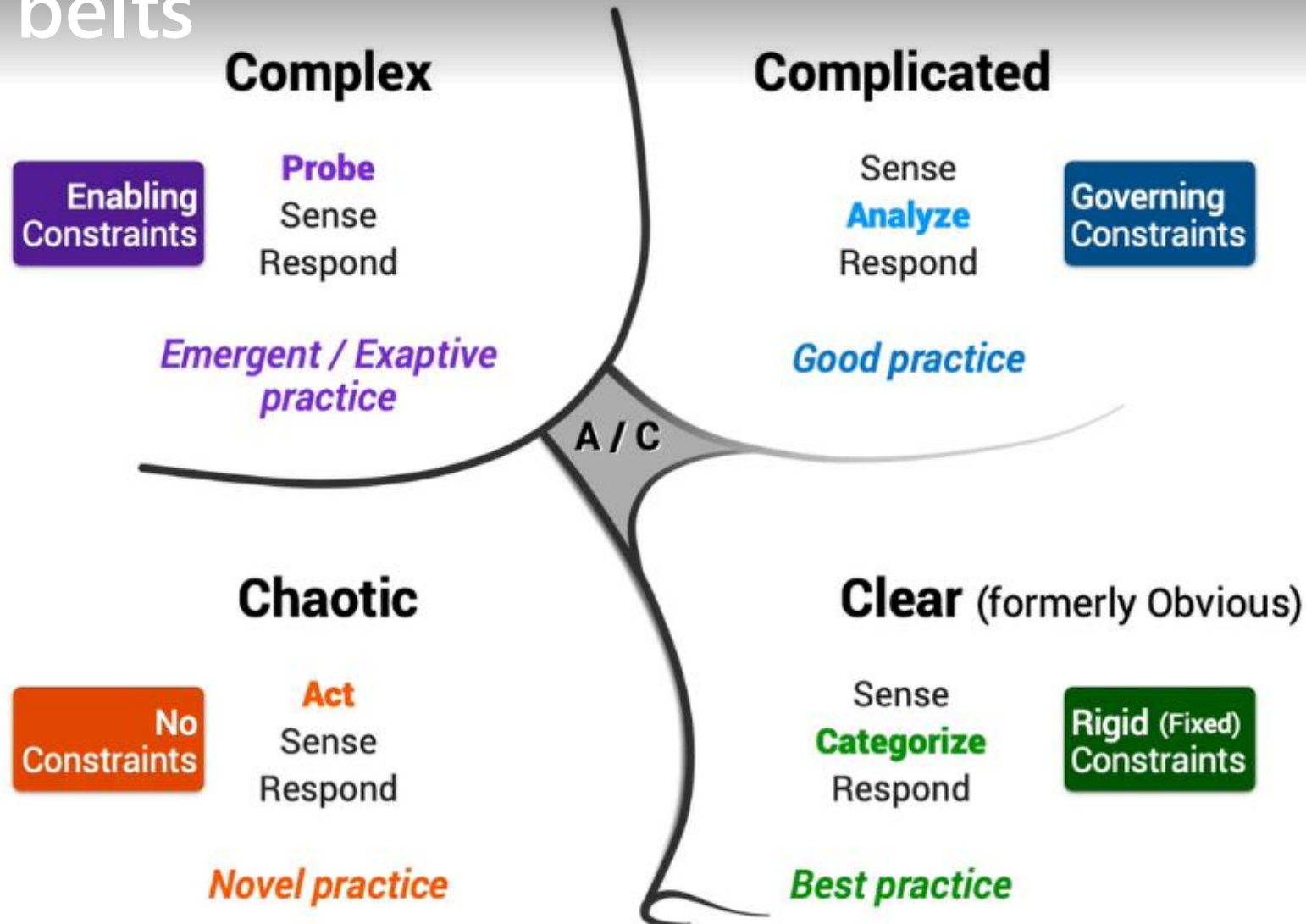
Duplicate – yet unique



The contract will take care of everything



Our environments are complex systems – not conveyor belts



The system is more than the sum of its components



Erik Bais

@erikbais



Datacenter Almere heeft ivm stroomstoring in Flevoland op de UPS gedraaid.. helaas lag het mobiele netwerk er ook uit en sloeg de aggregaat daardoor niet aan.

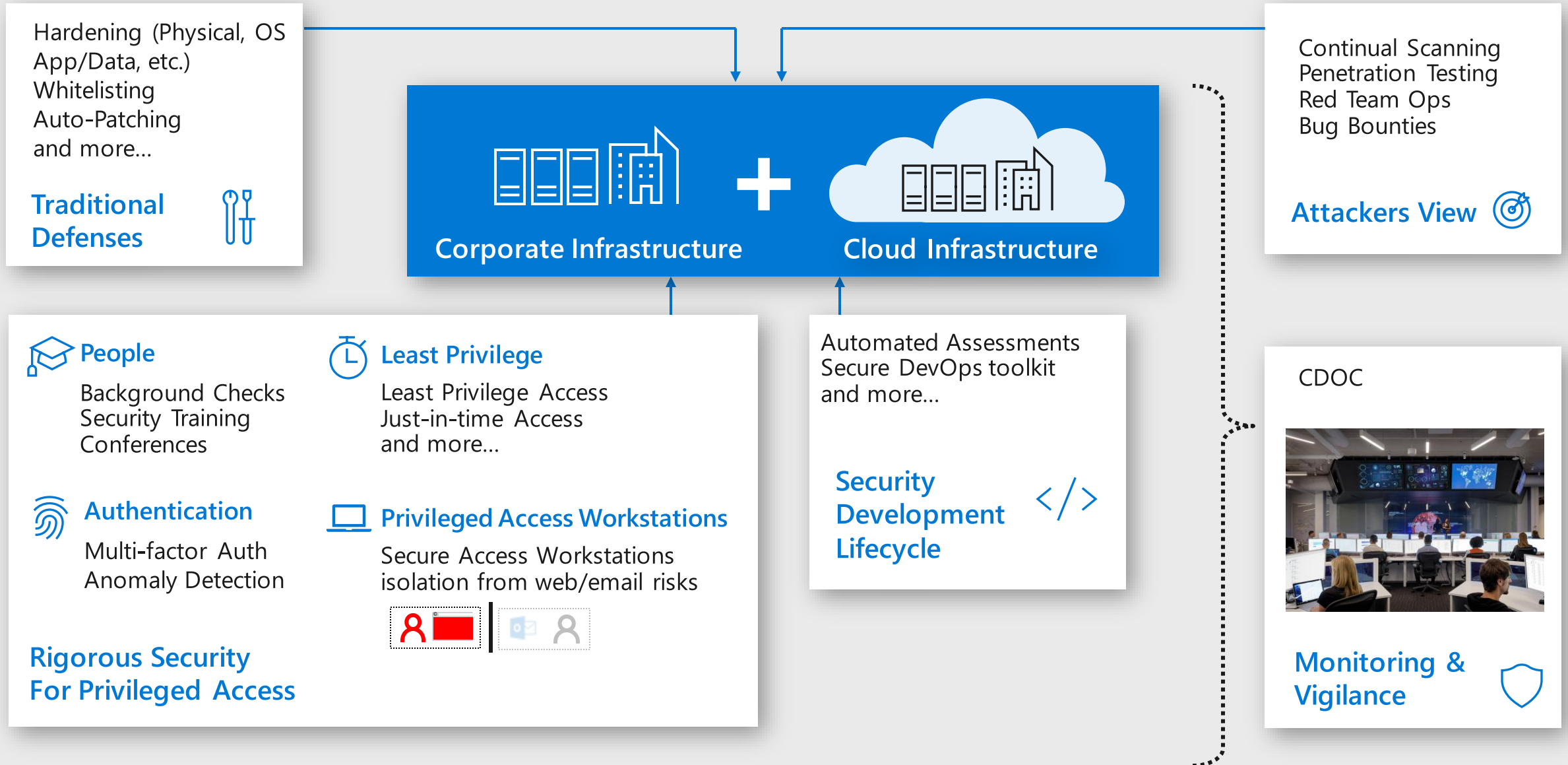
[Translate Tweet](#)

3:49 PM · Sep 2, 2022 · Twitter Web App

Resilience matters: be able to respond and recover



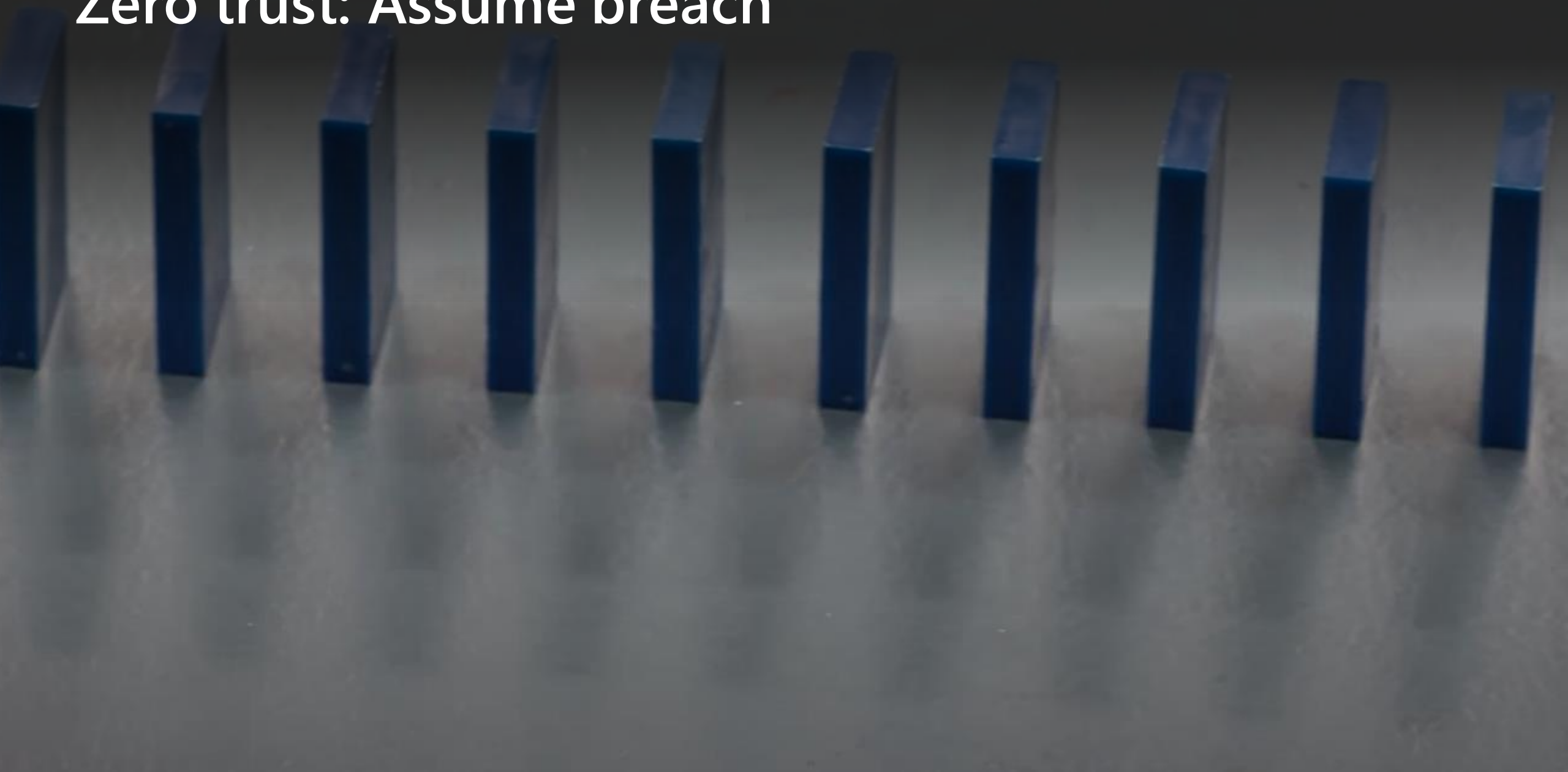
Microsoft protecting Microsoft



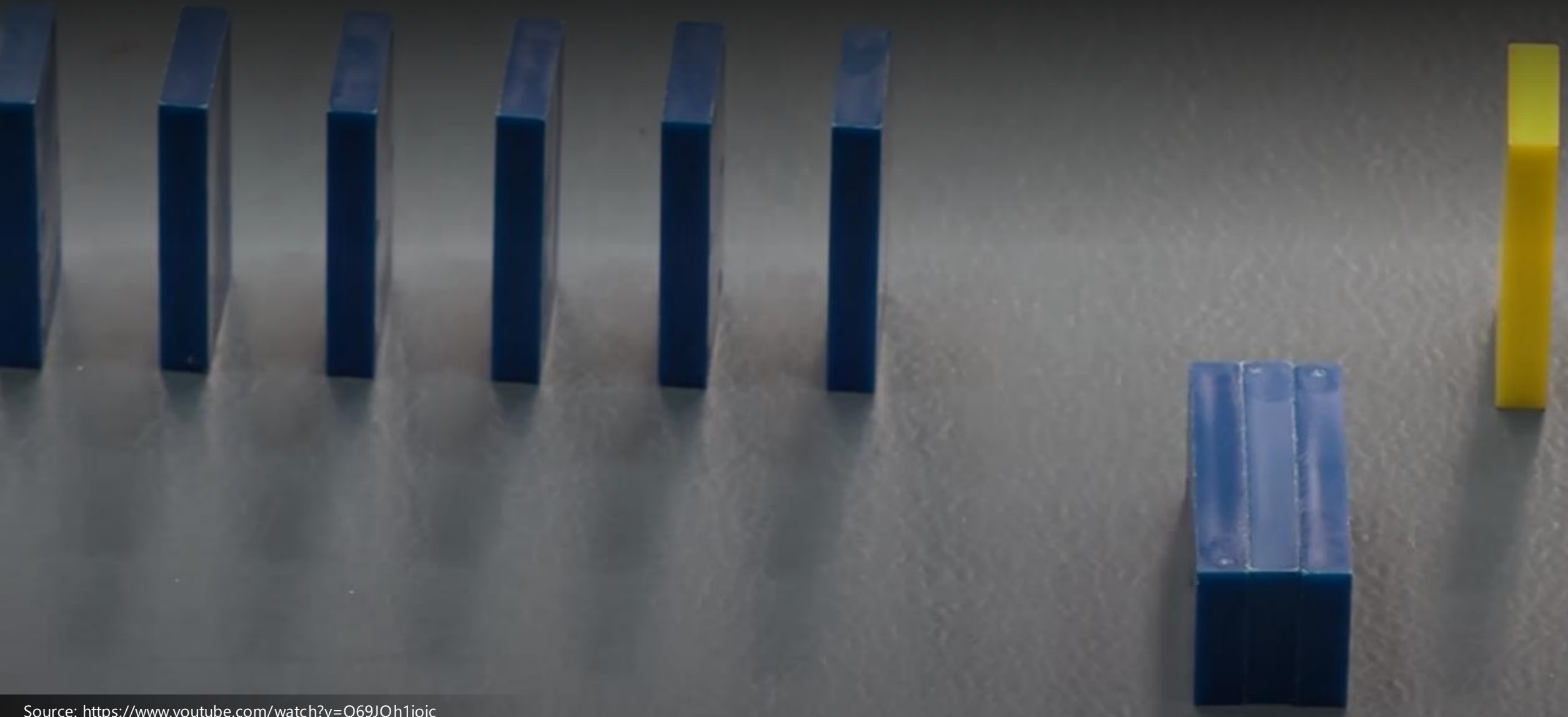
Traditional: guard the castle walls



Zero trust: Assume breach



Zero trust: Assume breach & minimise impact



Zero trust: Verify explicitly



Zero trust: Use least privileged access



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

MR 19 augustus 2022

6. Brief aan de Tweede Kamer inzake Rijksbreed Cloudbeleid 2022
(Staatssecretaris van BZK)

Het voorgestelde rijksbrede cloudbeleid 2022 is aangekondigd in de I-strategie 2021-2025 en vervangt het rijksbrede cloudbeleid zoals dat in 2011 is ingesteld, en dat niet meer aansloot bij de huidige stand van zaken van de private cloudindustrie en -techniek. Public clouddiensten mogen voor overheidsdiensten worden gebruikt onder voorwaarden en met enkele uitzonderingen, die gericht zijn op de bescherming van de verzameling van digitale kroonjuwelen van de Nederlandse overheid. Elk departement moet in staat worden gesteld om relevante risico's in beeld te hebben en te houden zodat iedere minister (binnen de eigen verantwoordelijkheid) zich kan verzekeren dat risico's beheerst zijn en blijven, inclusief voor alle Departementaal Vertrouwelijk gerubriceerde informatie. Vanwege de potentieel grote omvang van de digitale afhankelijkheid is daarbij speciale aandacht voor de risico's van statelijke actoren en privacy gevoelige informatie. CIO Rijk werkt een implementatierichtlijn (verplicht) een handreiking (verzameling best practices niet verplicht) uit voor zinvolle risicoanalyse.

Aangenomen. De staatssecretaris van BZK zal de brief aan de Tweede Kamer sturen.

*Those who give up security for privacy deserve
neither (and will lose both)*



Our privacy principles

[Microsoft Privacy Principles](#) | [Microsoft Trust Center](#)

- > You control your data
- > You choose where your data is located/stored
(150 Datacenters; >60 countries)
- > Microsoft secures your data at rest and in transit
- > Microsoft defends your data



Foundational customer agreements for online products and services;

Product Terms

Sets forth our standard contractual commitments to commercial customers that use Microsoft online services

Online Services Data Protection Addendum (DPA)

Sets forth our respective obligations around processing data in connection with Microsoft online services

Our commitments to commercial and public sector customers

 For service delivery	 For troubleshooting	 For maintenance and improvement	 No user profiling	 No advertising	 No market research
-----------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------

Controlled by you	No data profiling	Strong legal protection	GDPR for all customers	Listening to customers
We commit to strong privacy protections through greater user control and transparency	We will not share or use your data for marketing, advertising, or other commercial purposes	We do not provide governments with "back doors," encryption keys, or assistance to break encryption	We extend GDPR data protection rights to all customers worldwide, not just in Europe	We actively collaborate with customers and regulators to foresee and shape compliance regulations

These commitments are integrated into our contractual agreements that govern how we process data and protect data privacy for commercial customers.

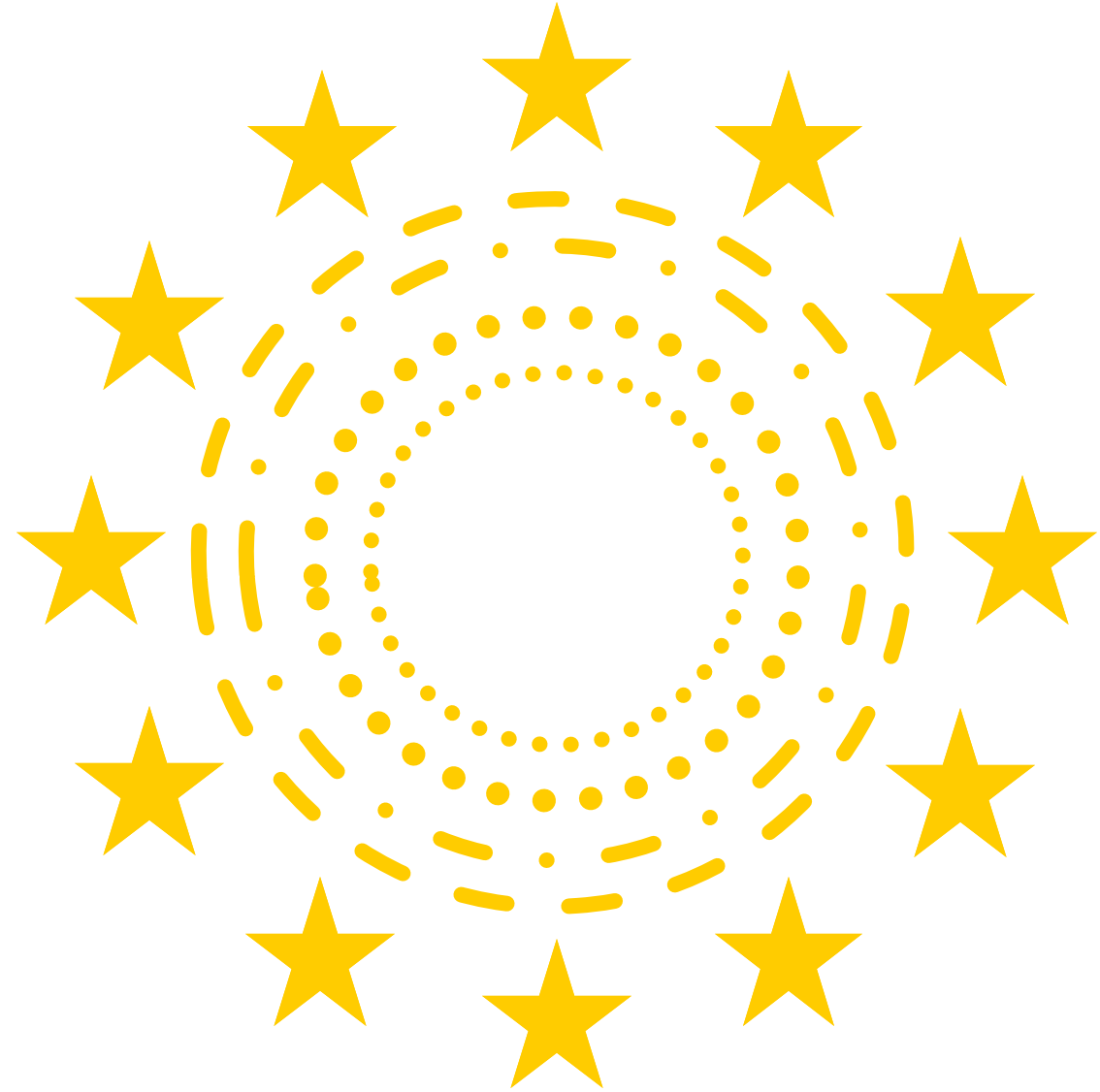
 Personal Information Protection and Electronic Documents Act (PIPEDA)	 General Data Protection Regulation (GDPR) 2016	 Australia Privacy Principles 2014
 California Consumer Privacy Act (CCPA) 2018	 EU Institutions Data Protection Regulation (EUDPR)	 Protection of Personal Information Act (POPI) 2013
 Federal Data Protection Law 2000	 Personal Data Protection Bill 2018	 Personal Information Protection Act (PIPA) 2011
 Data Protection Act (pending)	 Personal Data Protection Act (PDPA) 2012	 Act on Protection of Personal Information (APPI) 2017
 General Data Privacy Law	 Personal Information Security Specification 2018	 The Privacy Protection Act (PPA) 2017

The EU Data Boundary for the Microsoft Cloud

What is the EU Data Boundary

The Microsoft EU Data Boundary for the Microsoft Cloud is an industry-leading solution that further enables public sector and commercial customers the ability to store and process their customer data within the EU Data Boundary for **Microsoft 365, Azure, Power Platform, and Dynamics 365 online services**

The EU Data Boundary enhances Microsoft's data residency commitments for customer and personal data stored and processed in the European Union (EU) and the European Free Trade Association (EFTA).



Phase 3 | 2024

Support data

Support Data:

Store support data in the boundary of the EU.
Limit access to this data from outside the boundary of the EU.

Phase 2 | End of year – 2023

Pseudonymized personal data

Pseudonymized personal data that may be found in system generated logs stored & processed in EU for Microsoft 365, Dynamics 365, Power Platform, Azure services.

EU Data Boundary Roadmap

Announcing our phased rollout for the EU Data Boundary

Phase 1

Customer data and documentation

January 1, 2023

Customer data storage & processing in the EU Data Boundary for the majority of Microsoft 365, Dynamics 365, Power Platform, and Azure Services.

Transparency documentation begins to roll out, inclusive of limited transfers.

Phase 1 brings by far the largest portion of your personal data into the scope of the EU Data Boundary and is **completed and available to our customers on 1 January 2023.**

Defending customer data: about government requests

- We **contractually** commit that we do not provide any government with direct, unfettered access to Customer Data.
- If a government demands Customer Data from us, it must follow applicable legal process.

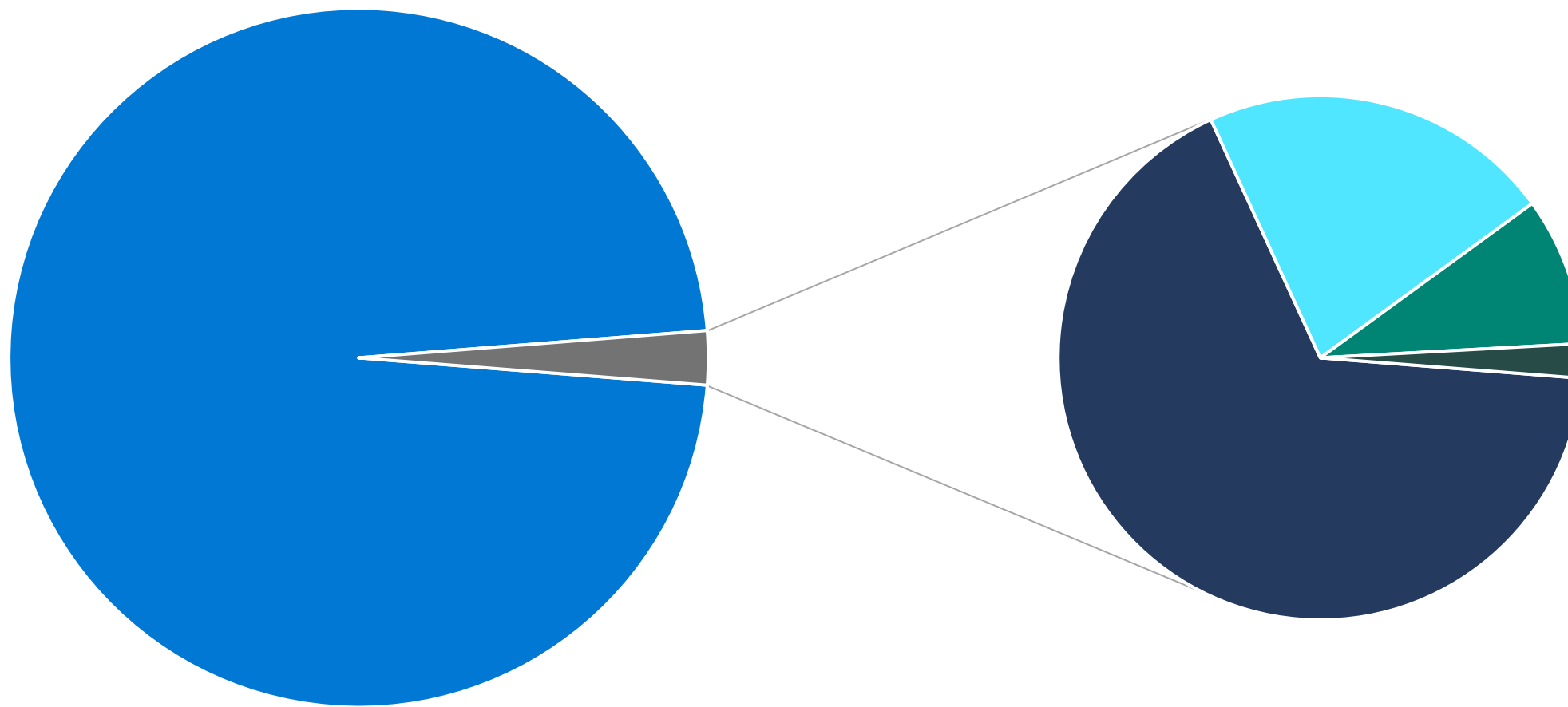
1. Valid legal request?

2. Redirection to customer

3. Notification

Microsoft process in responding to government requests and the CLOUD act: <https://aka.ms/MSLERH>

- Jan-Jun 2022: 5560 requests for **consumer** data, 96 of these for accounts outside of the USA.
- 142 requests from law enforcement around the world for accounts associated with **enterprise** cloud customers.
- In 95 cases, these requests were rejected, withdrawn, no data, or law enforcement was successfully redirected to the customer. In 47 cases, Microsoft was compelled to provide responsive information: 16 of these cases required the disclosure of some customer content and in 31 of the cases we were compelled to disclose non-content information only. Of the 16 instances that required disclosure of content data, 13 of those requests were associated with U.S. law enforcement.



- consumer customers
- disclose non-content information
- conten disclosed - non-US

- rejected, withdrawn, no data or redirected
- content disclosed - US

Understanding how work works matters
("work as done")...



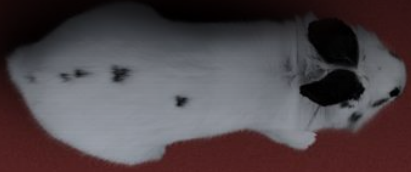
...instead of aiming for “work as imagined”



1 Not keeping up is falling behind



2



3



4



5



So keep exploring



Thank you!

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EXHIBIT

Cloud & Privacy: Dialogue – Control – Assurance

Further resources

Governance and risk management and assurance

- Cloud Governance whitepaper: <https://aka.ms/MSCloudGovernanceEN>
- Whitepaper Capgemini; richtlijnen Microsoft Cloud: <https://pulse.microsoft.com/uploads/prod/2021/10/White-Paper-Richtlijnen-Privacy-En-Informatiebeveiliging-Bij-Strategische-Adoptie-Microsoft-Cloud.pdf>
- Online Trust Coalitie: <https://ecp.nl/publicatie/whitepaper-otc-vertrouwen-in-de-cloud/>
- Book “Tools & Weapons”; <https://news.microsoft.com/on-the-issues/tools-and-weapons/>

Microsoft assurance

- Contractual: <https://aka.ms/dpa>
- Data transfers: <https://www.microsoft.com/en-us/trust-center/privacy>
- Government access principles: <https://blogs.microsoft.com/datalaw/our-practices/Law>
- EU Data Boundary: <https://blogs.microsoft.com/eupolicy/2021/12/16/eu-data-boundary-for-the-microsoft-cloud-a-progress-report/>

Data transfers:

- https://edpb.europa.eu/our-work-tools/documents/public-consultations/2021/guidelines-052021-interplay-between-application_en
- https://edpb.europa.eu/our-work-tools/our-documents/recommendations/recommendations-012020-measures-supplement-transfer_en
- <https://www.intelligence.gov/how-the-ic-works>
- <https://www.dni.gov/files/icotr/Section702-Basics-Infographic.pdf>

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Cloud Governance.

Guidance on assessing security, privacy, compliance, and risk when adopting Microsoft Cloud Services.

