



**Cl@b**  
2018

18° Congreso Latinoamericano  
de Tecnología e Innovación Financiera

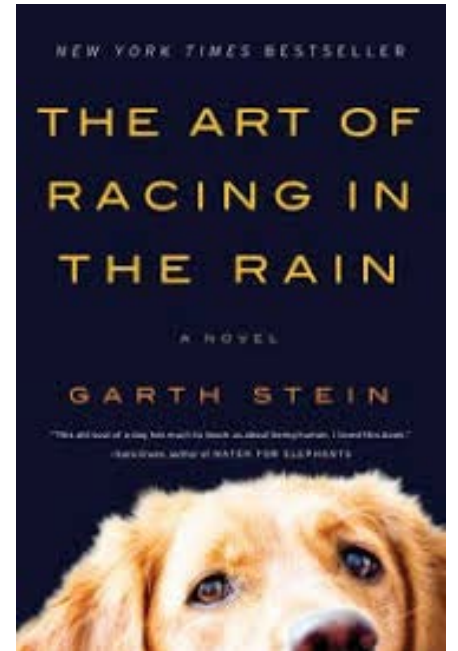
# Driving Digital Transformation Securely

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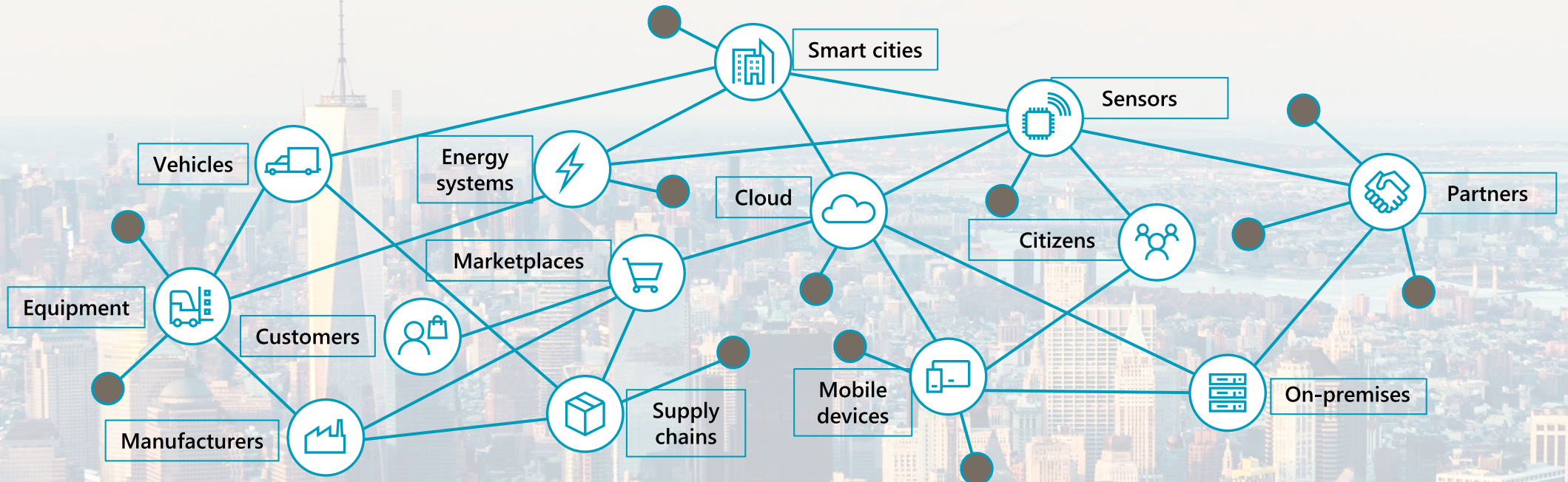
*“This is a rule of racing:*

***No race has ever been won  
in the first corner;***

*many have been lost  
there.”*



# The digital estate



# Opportunities & Risks



## ➔ Opportunities

**Globalization:** more markets, customers, and business potential

Always-on access provides **more productivity**

Ability to **analyze massive data** sets at scale and speed

**Scalable, cloud based storage:** efficient, cost effective, and secure

**Modern engineering:** allows for more agility in building capabilities, features, and in responding to threats

## ⚠ Risks

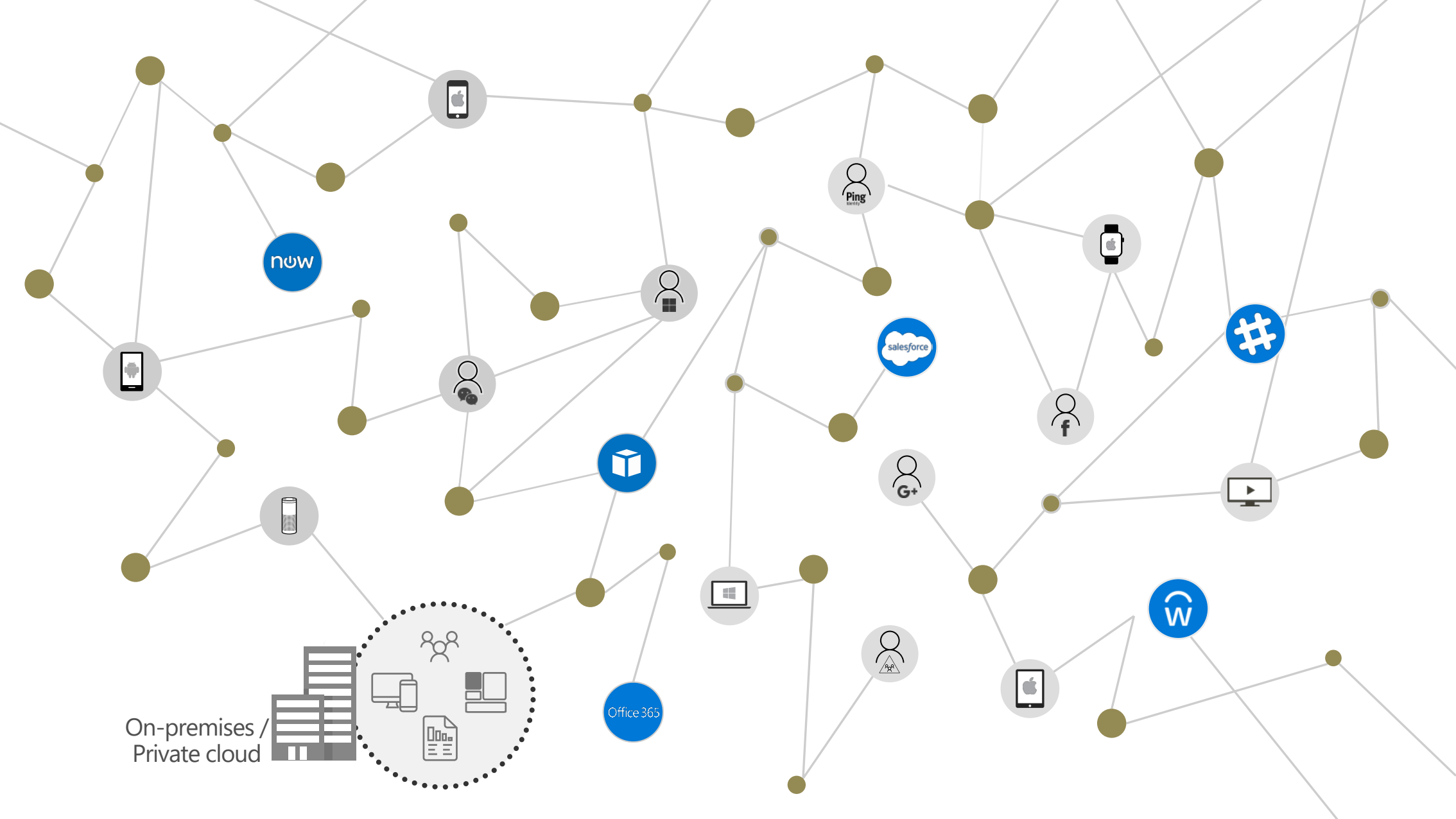
Globalization can lead to “**digital xenophobia**”

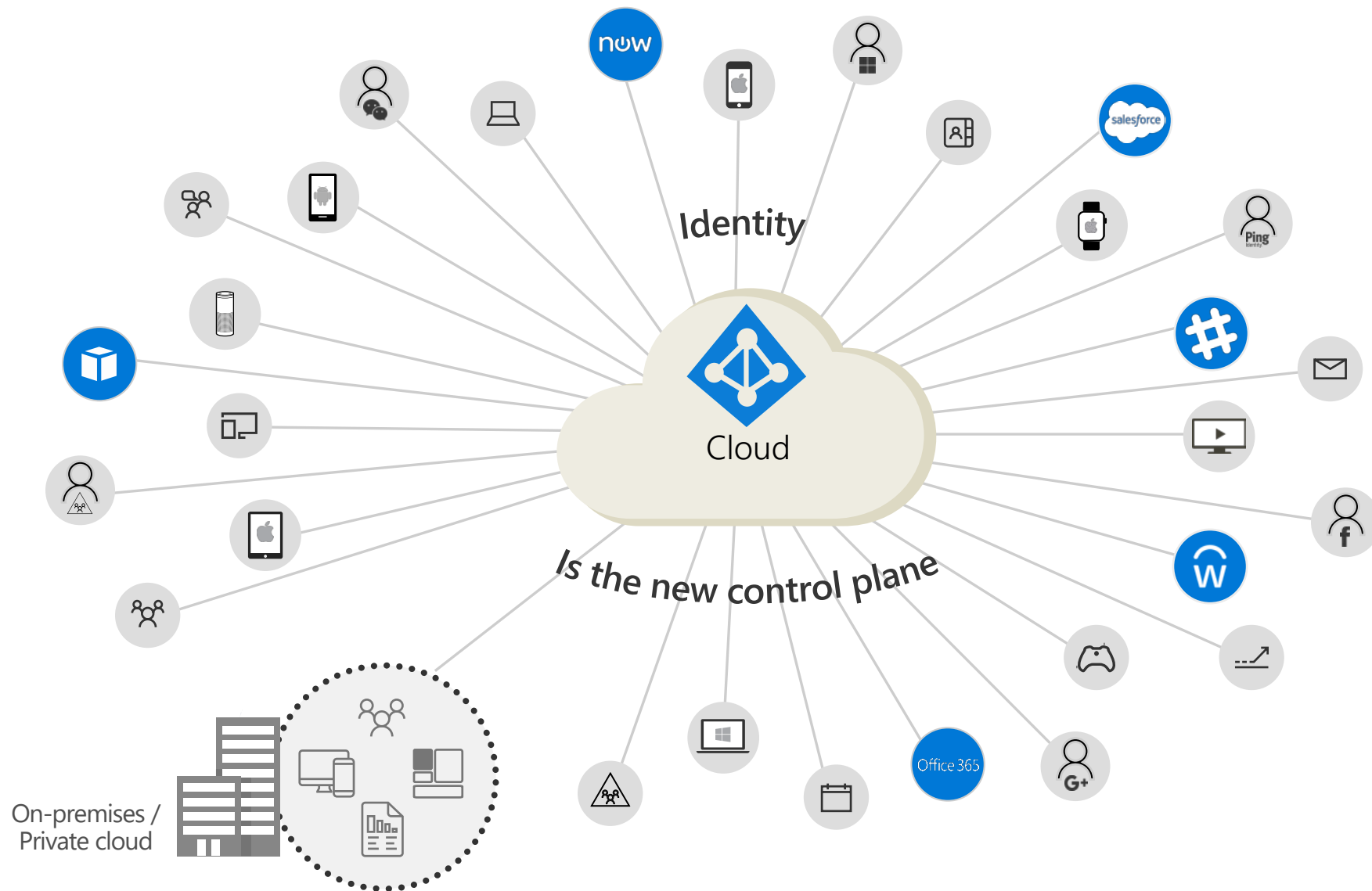
More lucrative targets give rise to more **dangerous threat actors**

More surface area for attacks/exposure to harm, including **supply chain**

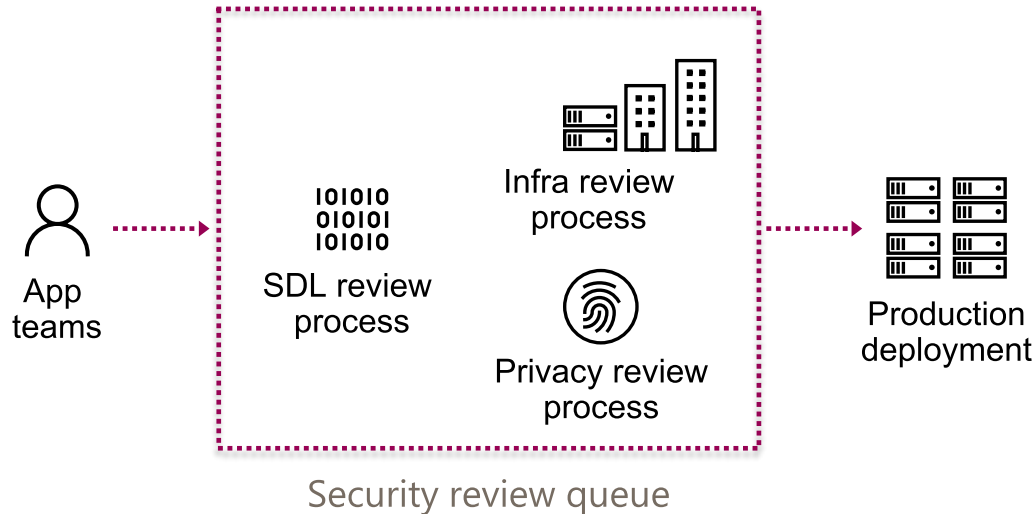
The client-to-cloud world requires a control shift  
**(Identity is the new perimeter)**





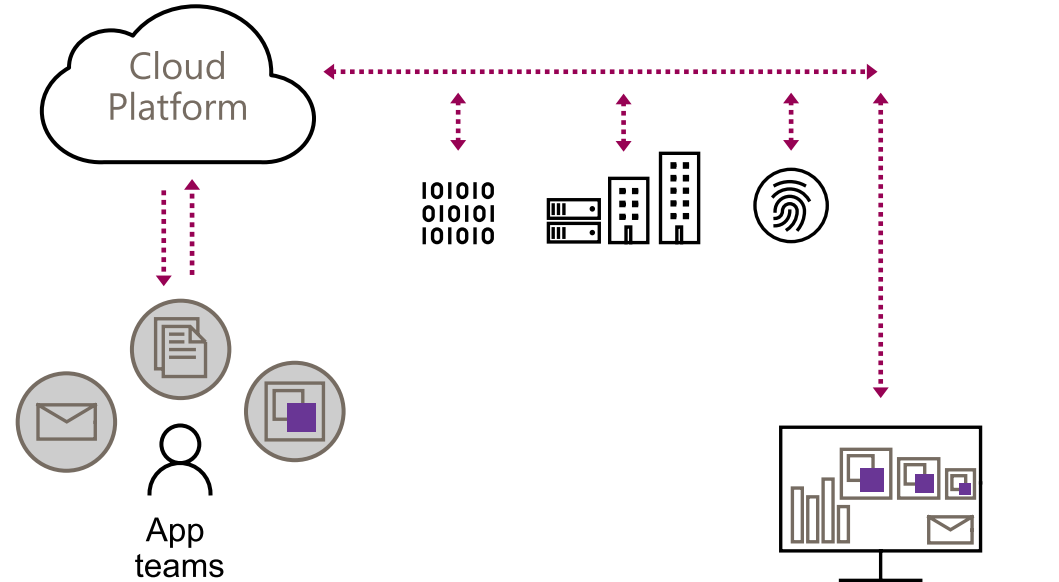


## Life before cloud



- Separate process for security reviews
- Required for any LOB apps prior to production
- Backlog determines timeline

## Life with cloud + Mobile + Agile + DevOps



- Self provisioning & empowerment
- Rapid release schedules
- DevOps versus Central IT
- More devices & collaboration

# Responsibility Zones

Responsibility	SaaS	PaaS	IaaS	On-prem	
Data governance & rights management	Customer	Customer	Customer	Customer	Always retained by customer
Client endpoints	Customer	Customer	Customer	Customer	
Account & access management	Customer	Customer	Customer	Customer	
Identity & directory infrastructure	Customer	Customer	Customer	Customer	Varies by Service Type
Application	Microsoft	Customer	Customer	Customer	
Network controls	Microsoft	Customer	Customer	Customer	
Operating system	Microsoft	Microsoft	Customer	Customer	
Physical hosts	Microsoft	Microsoft	Microsoft	Customer	Transfers to Cloud Provider
Physical network	Microsoft	Microsoft	Microsoft	Customer	
Physical data center	Microsoft	Microsoft	Microsoft	Customer	
	Microsoft	Microsoft	Microsoft	Customer	



## Multi-Dimensional Approach – Build Security In



Intelligence



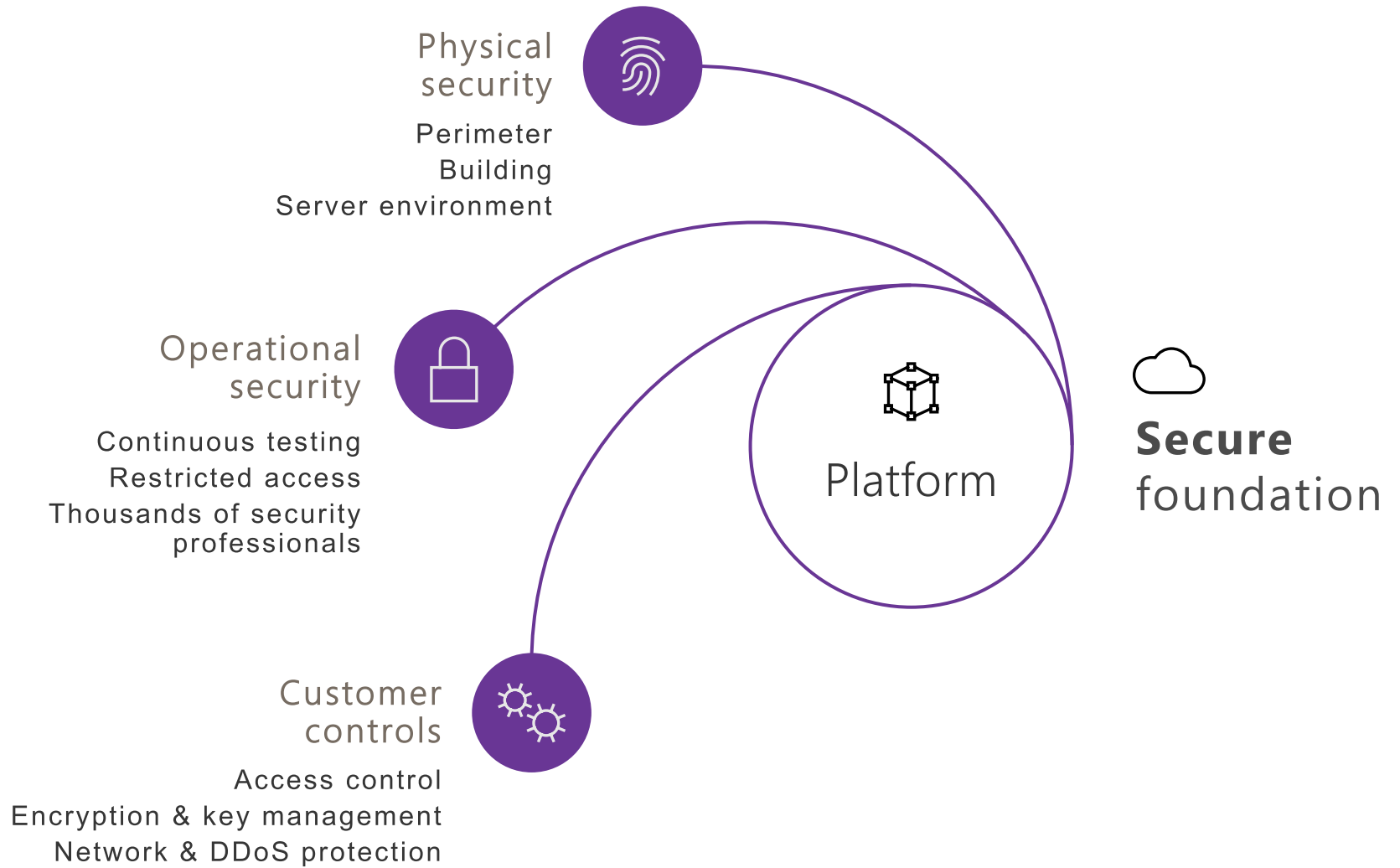
Platform



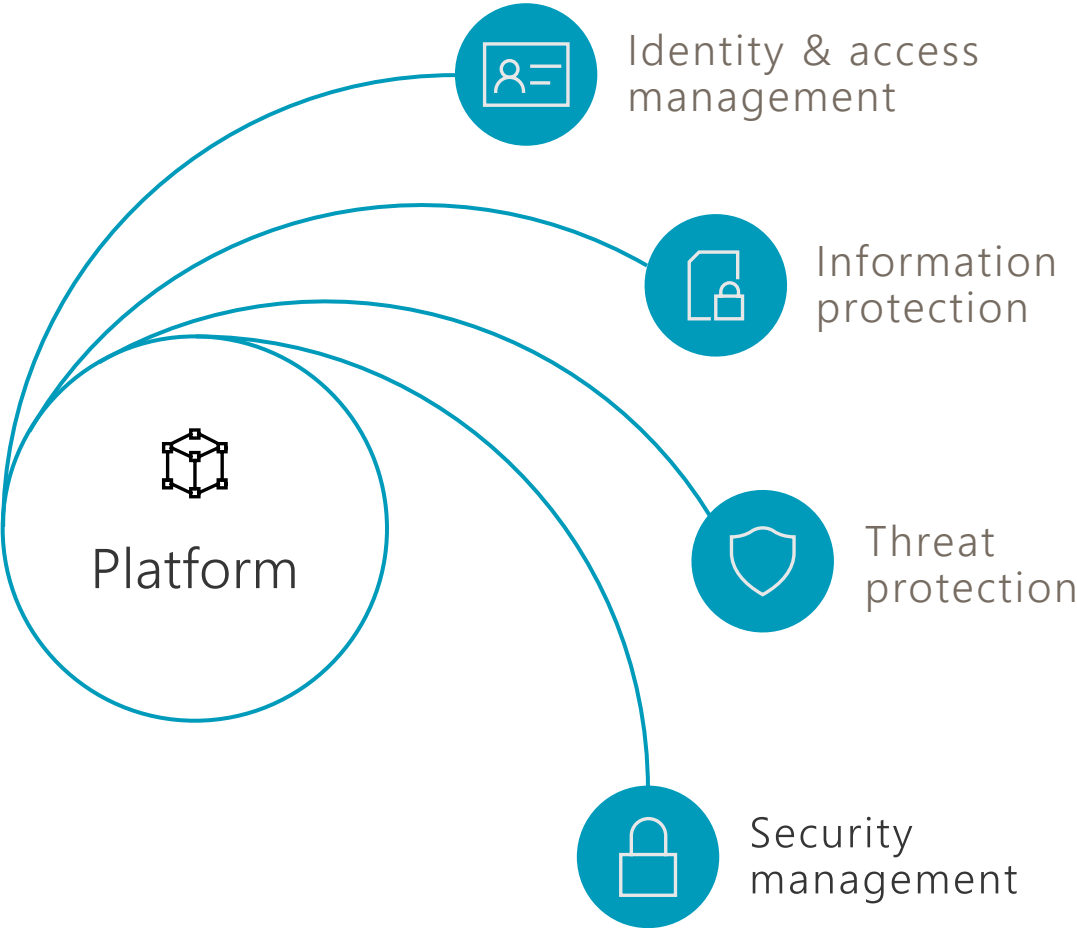
Partners

Intelligence





**Built in**  
security

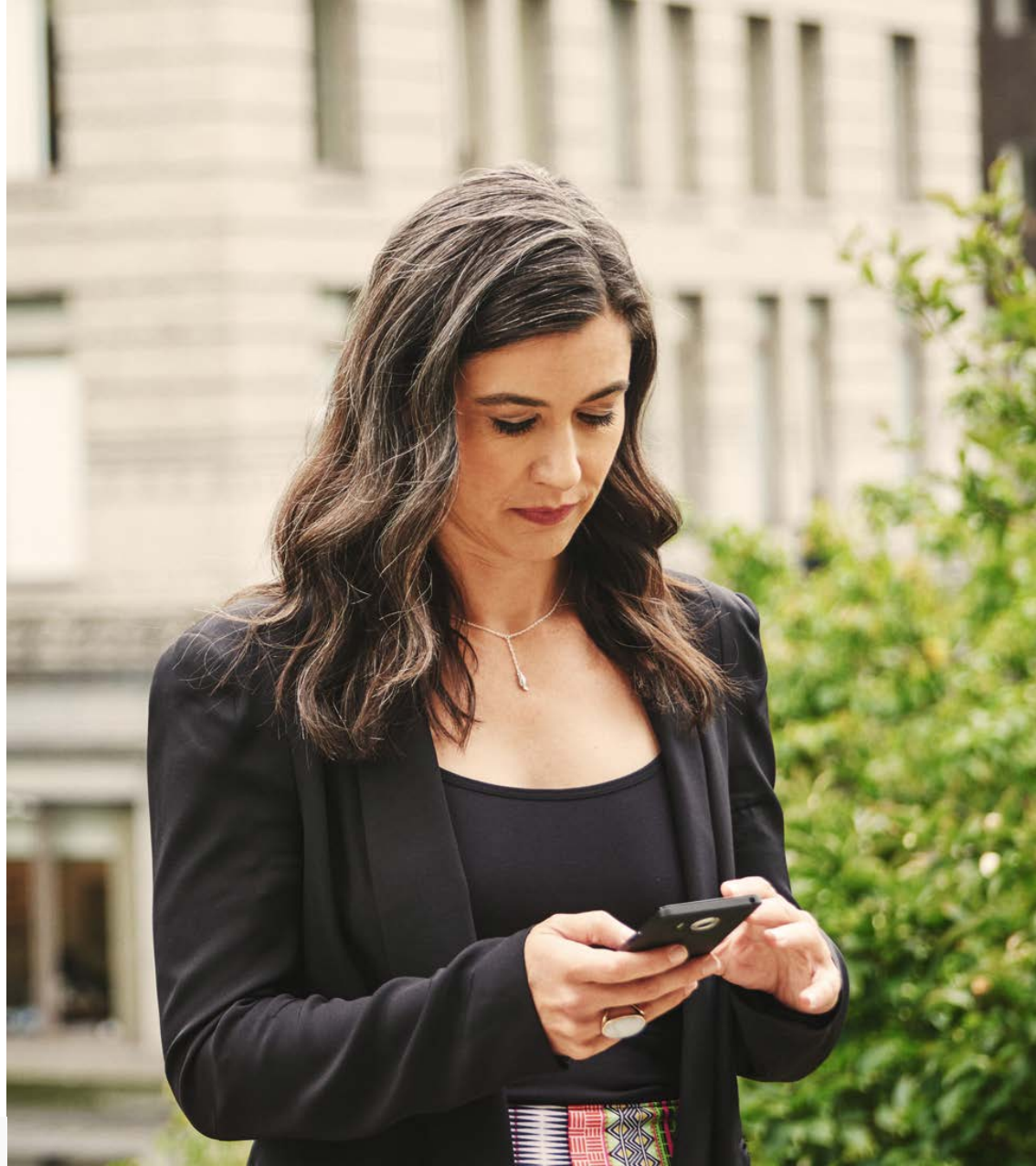


# How much control do you have over **access**?

Can your access control policies  
adapt to changing conditions?

Can you improve user experience  
**and** strengthen access protection?

How do you protect user credentials?





# Do you have a strategy for protecting and managing **sensitive information**?

Do you know where your sensitive data resides?

Do you have control of your data as it travels inside and outside of your organization?

Are you using multiple solutions to classify, label, and protect sensitive data?





# How do you protect your organization from **advanced threats**?

How quickly can you detect suspicious activities on your network?

How do you know if credentials have been compromised?

How quickly can you remediate advanced threats?

How do you protect your users from email threats?

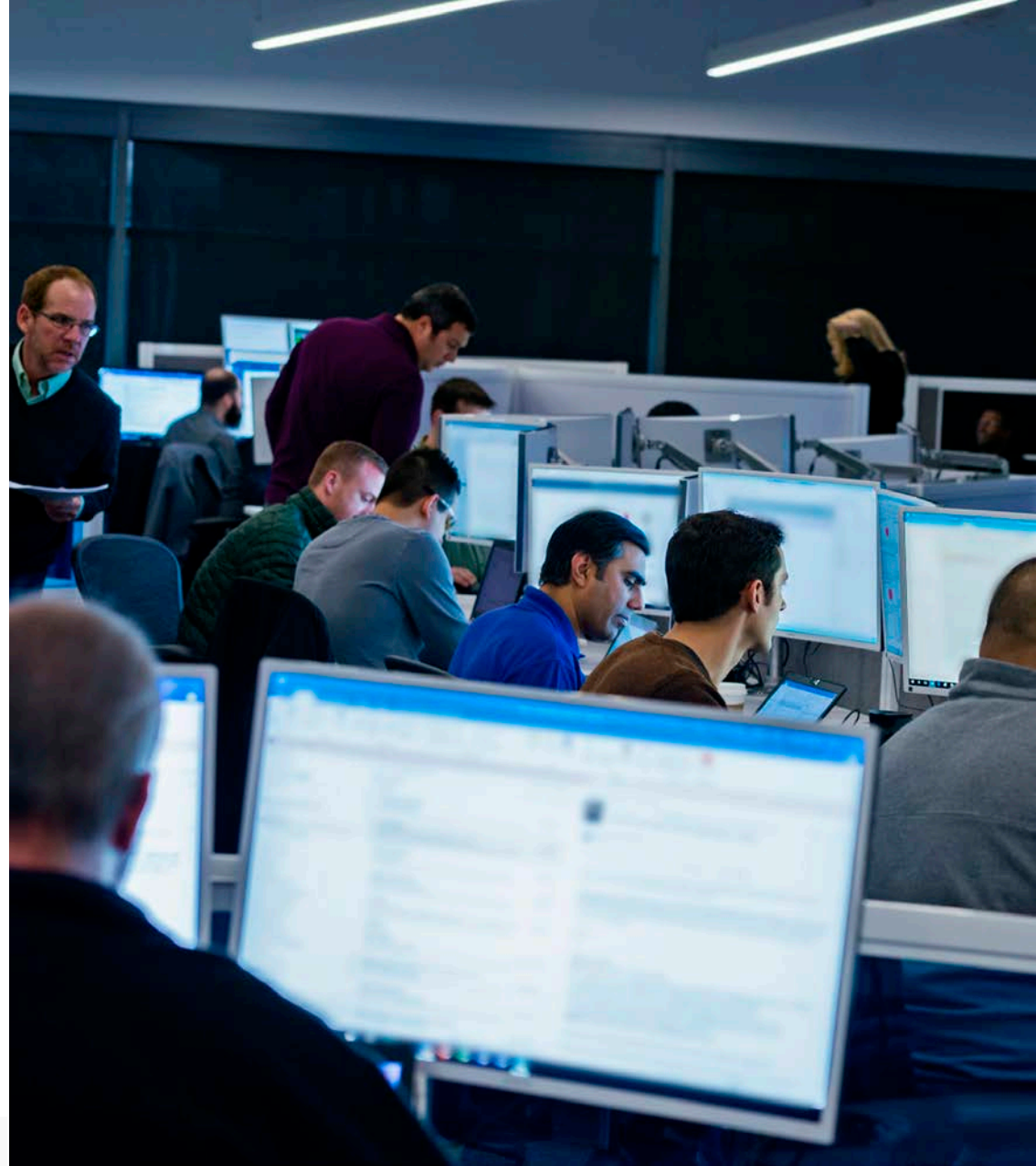


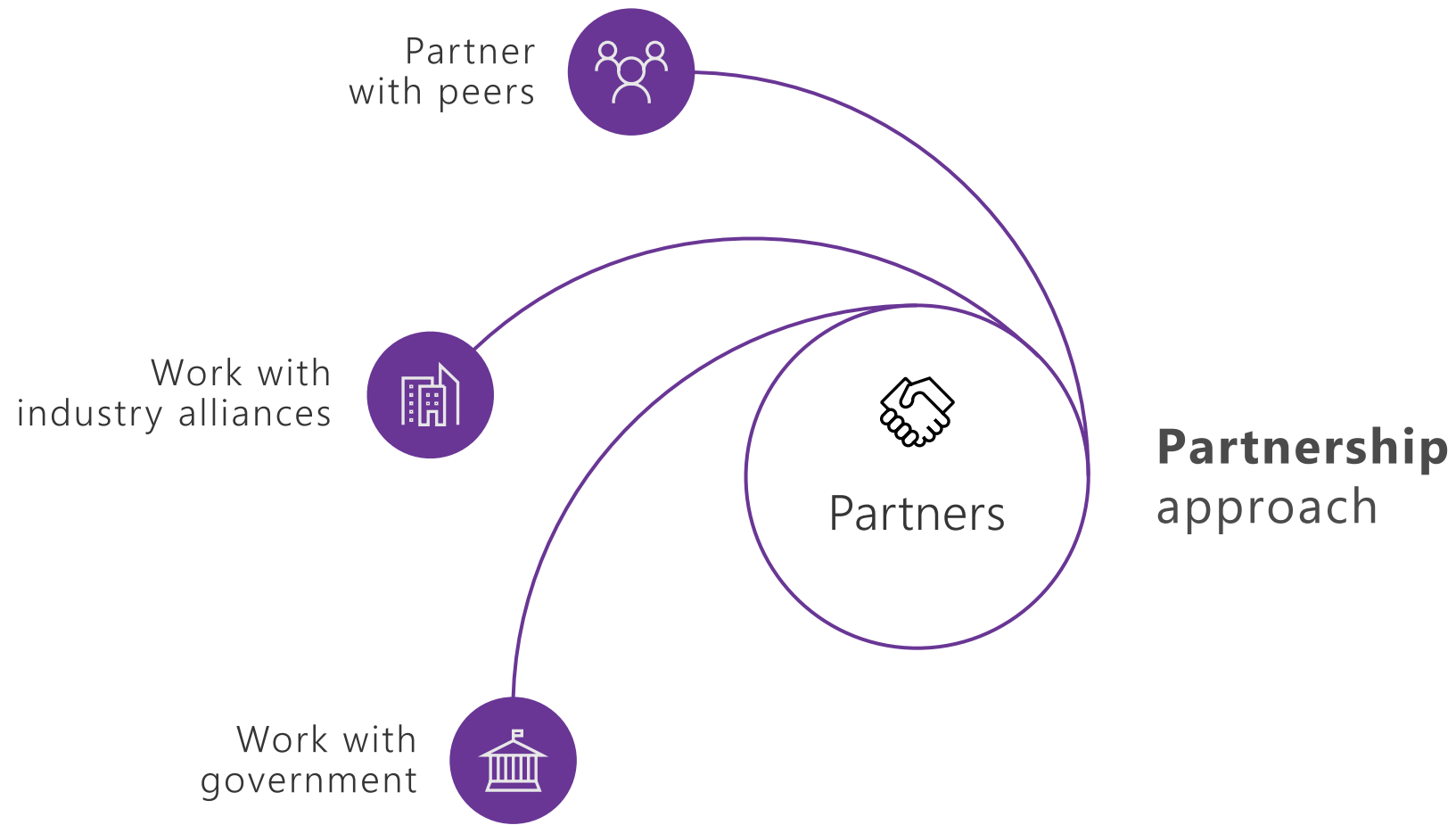
# How do you manage security?

Do you know the security state  
of your full estate in real time?

How easily can you configure and manage  
the security posture across your estate?

How do you proactively improve your  
security practices over time?





## Integrating with your existing solution portfolio



### Identity and access management



### Information protection



### Threat protection



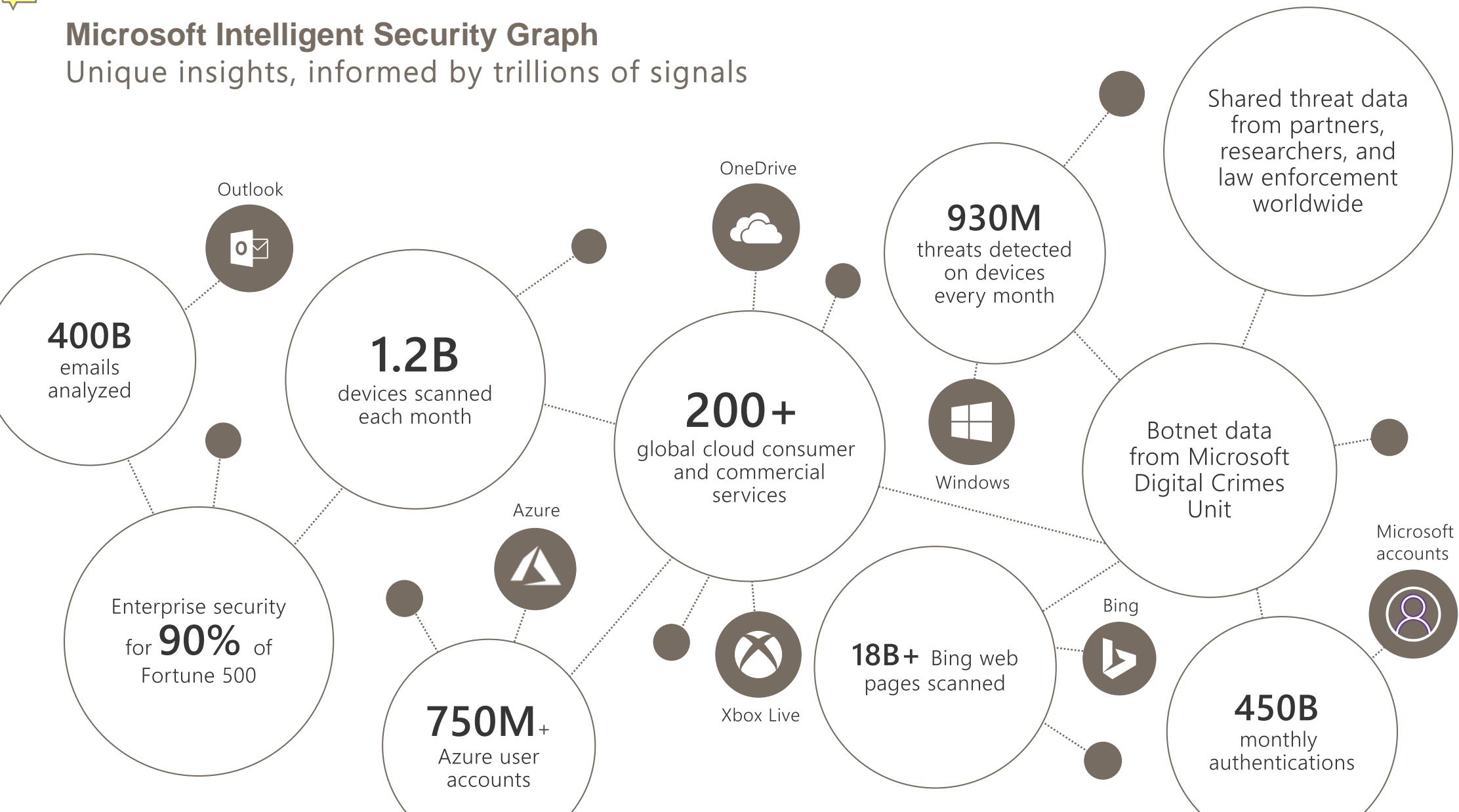
### Security management





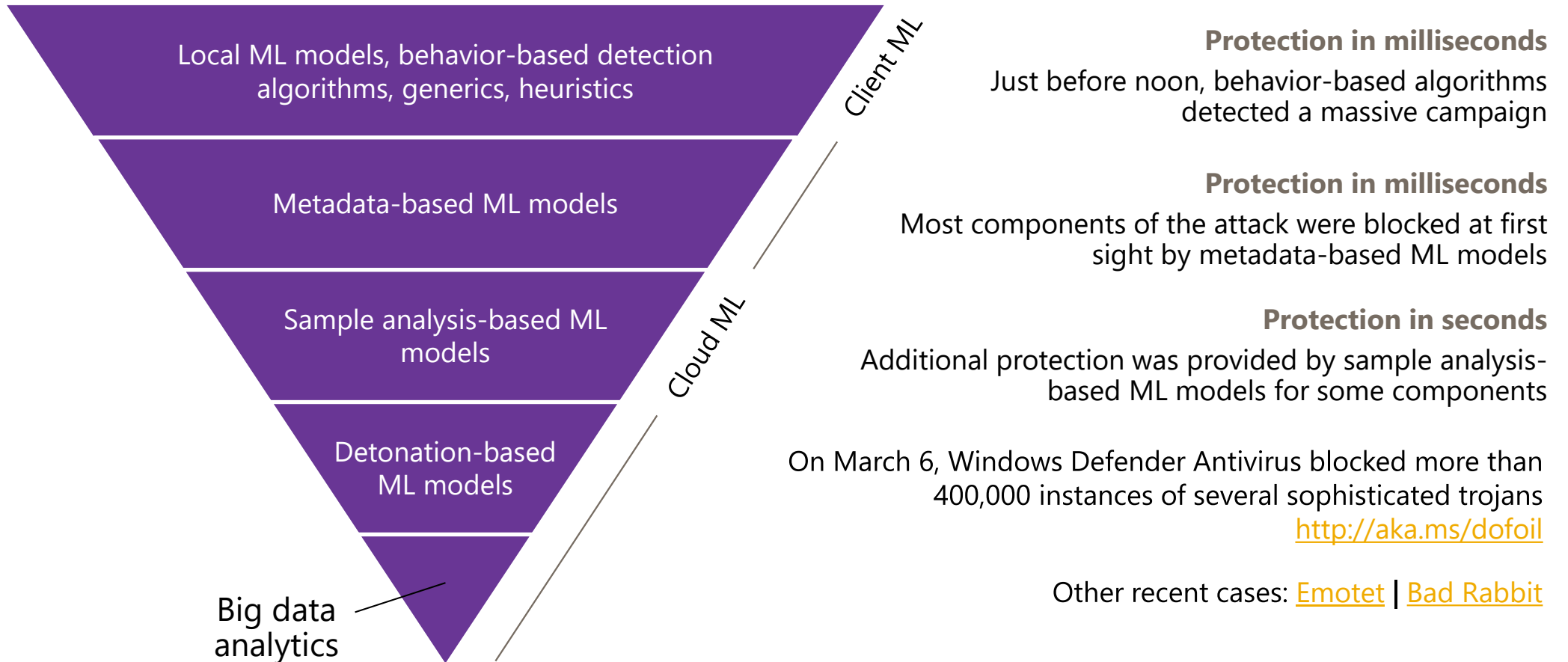
# Microsoft Intelligent Security Graph

Unique insights, informed by trillions of signals





## Layered ML in action





# Power of Rapid Detection & Response

Ransomware made a real-world impact in 2017, bringing down critical services like hospitals, transportation, and traffic systems. Here are few of the unprecedented and devastating ransomware families responsible for the 2017 attacks:

**8 B \$**



WannaCrypt

**850 M \$**



Petya/NotPetya

**14 Minutes**



BadRabbit

# The Big Three

## 1. Simple

- Reduce number of solution vendors
- Alleviate friction between security & productivity

## 2. Smart

- Speed up detection & response with automation and ML
- Insight across the threat landscape

## 3. Integrated

- Built-In Security means less to deploy, fewer agents to manage
- Visibility across hybrid architectures





# Microsoft Cybersecurity

Download the Microsoft Security  
Intelligence Report, Volume 23 for more  
security insights.

[www.microsoft.com/sir](https://www.microsoft.com/sir)

