



# Generative AI in Identity and security: the potential and the risks

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# Safe harbor

This presentation contains “forward-looking statements” within the meaning of the “safe harbor” provisions of the Private Securities Litigation Reform Act of 1995, including but not limited to, statements regarding our financial outlook, long-term financial targets, product development, business strategy and plans, market trends and market size, opportunities, positioning and expected benefits that will be derived from the acquisition of Auth0, Inc. These forward-looking statements are based on current expectations, estimates, forecasts and projections. Words such as “expect,” “anticipate,” “should,” “believe,” “hope,” “target,” “project,” “goals,” “estimate,” “potential,” “predict,” “may,” “will,” “might,” “could,” “intend,” “shall” and variations of these terms and similar expressions are intended to identify these forward-looking statements, although not all forward-looking statements contain these identifying words. Forward-looking statements are subject to a number of risks and uncertainties, many of which involve factors or circumstances that are beyond our control. For example, the market for our products may develop more slowly than expected or than it has in the past; there may be significant fluctuations in our results of operations and cash flows related to our revenue recognition or otherwise; we may fail to successfully integrate any new business, including Auth0, Inc.; we may fail to realize anticipated benefits of any combined operations with Auth0, Inc.; we may experience unanticipated costs of integrating Auth0, Inc.; the potential impact of the acquisition on relationships with third parties, including employees, customers, partners and competitors; we may be unable to retain key

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Personal computing

Internet



Mainframe

Client-server



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Every company is an **AI** company

Every company is a technology company

What's your  
AI strategy?

What markets are  
you playing in?

What advantages  
does this give you?







”

By 2025 at least 35% of organisations will utilise generative AI as part of their identity fabric functions. These organisations will substantially improve user experience and efficiency of their IAM controls.

**Gartner**



Source: Gartner "Identity and Access Intelligence Innovation With Generative AI" by Homan Farahmand

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## Organisations

Proactive security



## Customers

Frictionless user  
experience

## Developers

Build apps faster



## Extended workforce

Efficient workflow  
automation



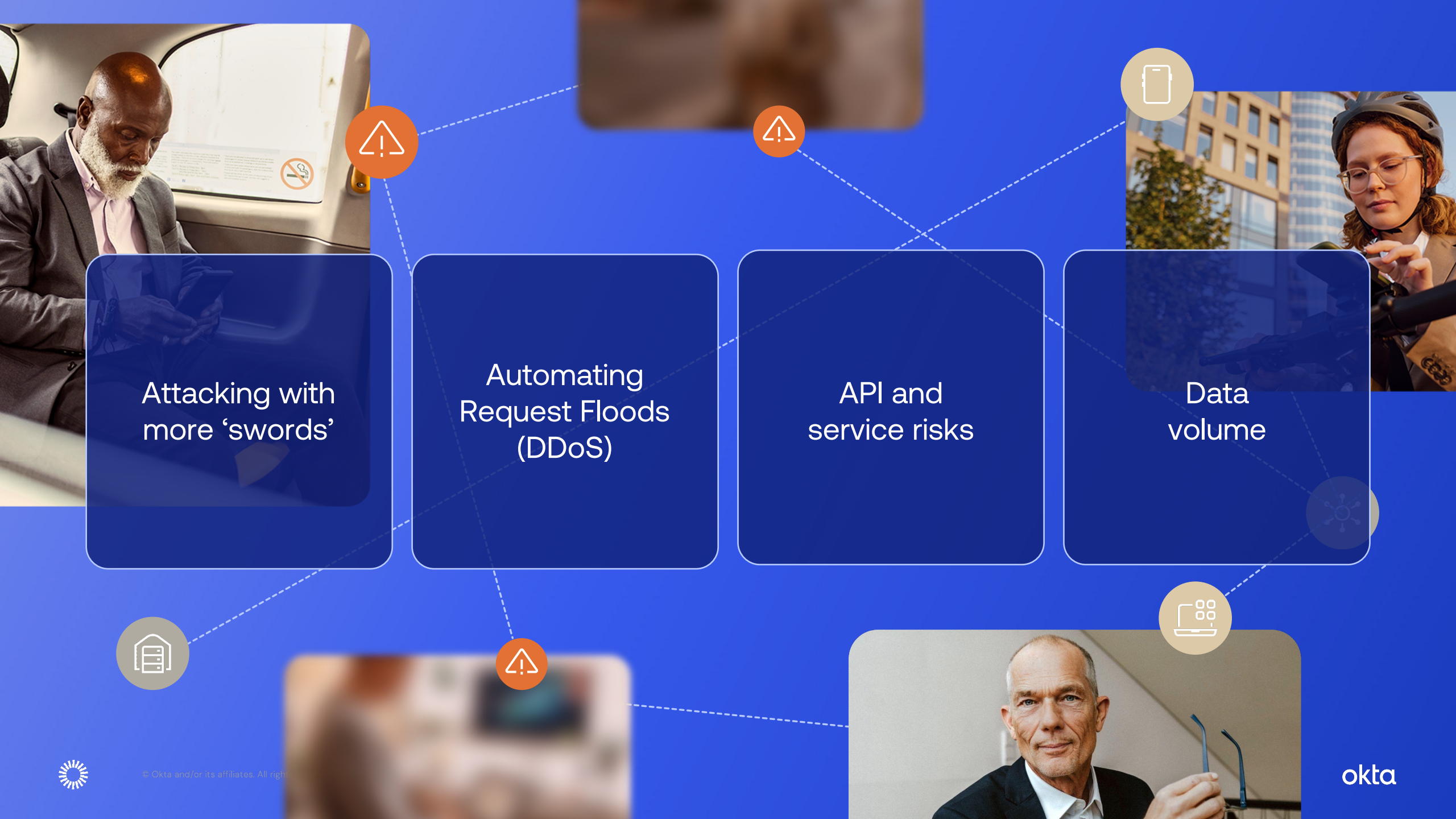




Generative AI is not only  
a solution... but also is  
driving new security risks







Attacking with  
more 'swords'

Automating  
Request Floods  
(DDoS)

API and  
service risks

Data  
volume



# Most common attacks in 2023...



**Tech support scams:**  
pretending to be Apple,  
Microsoft, Norton... etc.



**Coworker impersonation:**  
IT, Executives, member  
of your team



**Bank impersonation:**  
pretending to be  
loss prevention

**47%**  
increase in  
phishing

Drive IT Leaders to change priorities!

Zscaler 2022 Threat Labz Phishing Report



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# The stakes are high

**\$1.87b**

Session cookies  
harvested, tied to  
Fortune 1000<sup>1</sup>

**63%**

Breaches reported by  
external agencies<sup>2</sup>

**\$1.76m**

Savings for those who  
use tooling that  
employs AI/ML<sup>3</sup>

<sup>1</sup> Spycloud (2023) [Fortune 1000 Identity Exposure Report](#), <sup>2</sup> Mandiant (2022) [Mandiant M-Trends 2022: Insights into Top Cyber Trends and Attacks](#), <sup>3</sup> IBM (2023) [Cost of a Data Breach Report](#).





ChatGPT

Machine  
learning

Predictive  
analysis

Optimisation

Data  
science

Computer  
vision

Lots of AI buzzwords,  
but what does  
it all mean?

Data  
mining

Deep  
learning

Features

NLP





AI

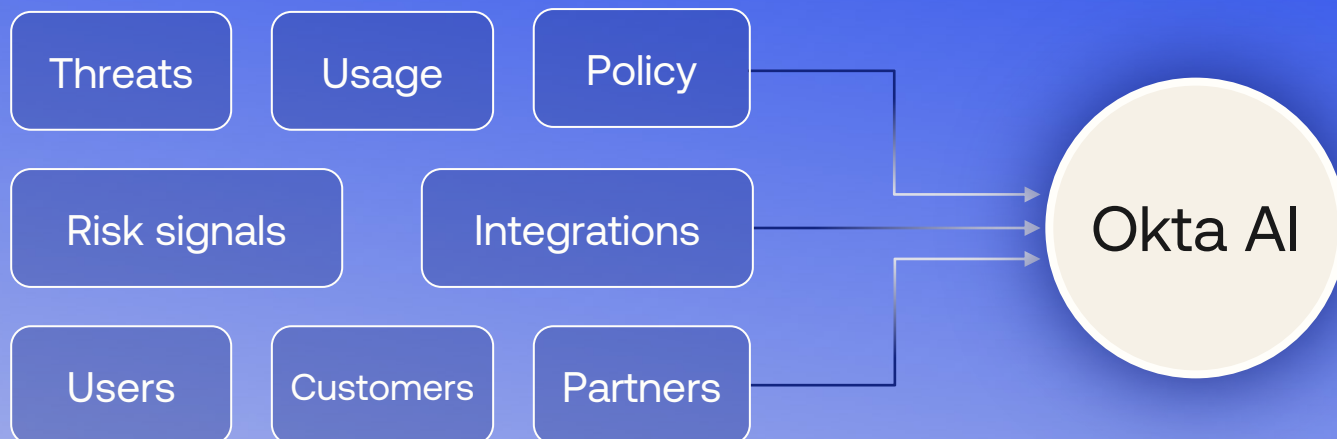
Machine  
learning

Deep  
learning

Generative AI

The  
evolution  
of AI

## Data



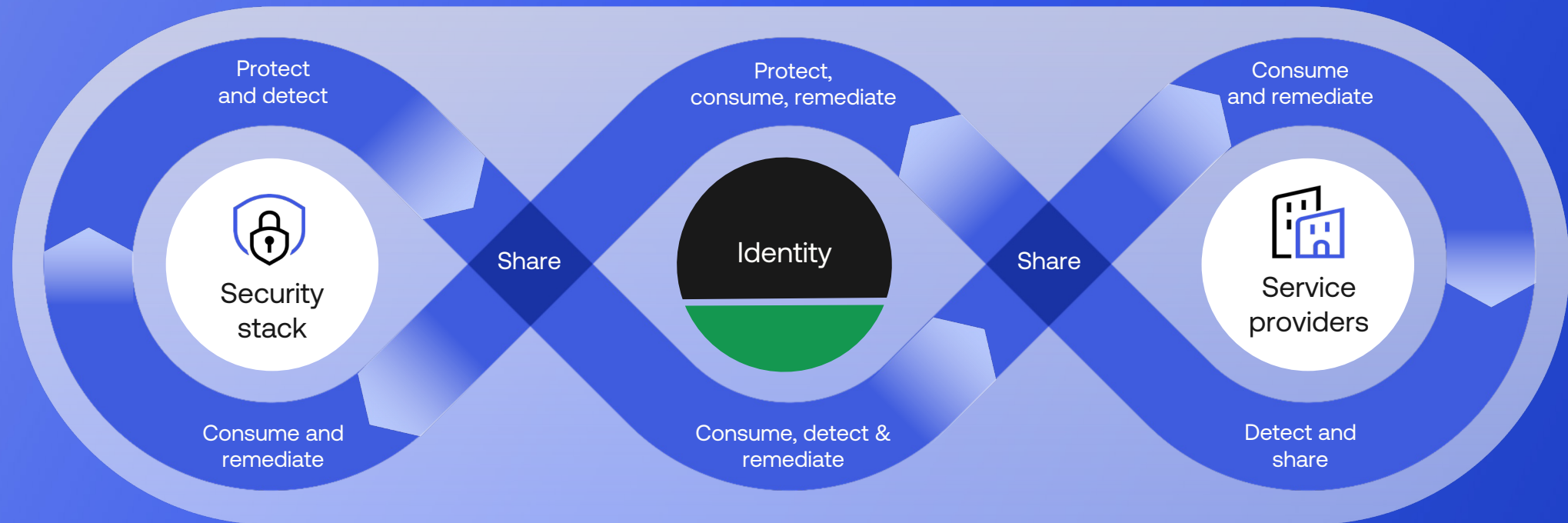


# We have no shortage of risk signals, but need the ability to quickly consolidate and take action on those insights



# The new security paradigm centralises understanding of risk

A paradigm shift has re-imagined the interaction between IdPs and 3rd-party service providers, with Identity as a central intersection point





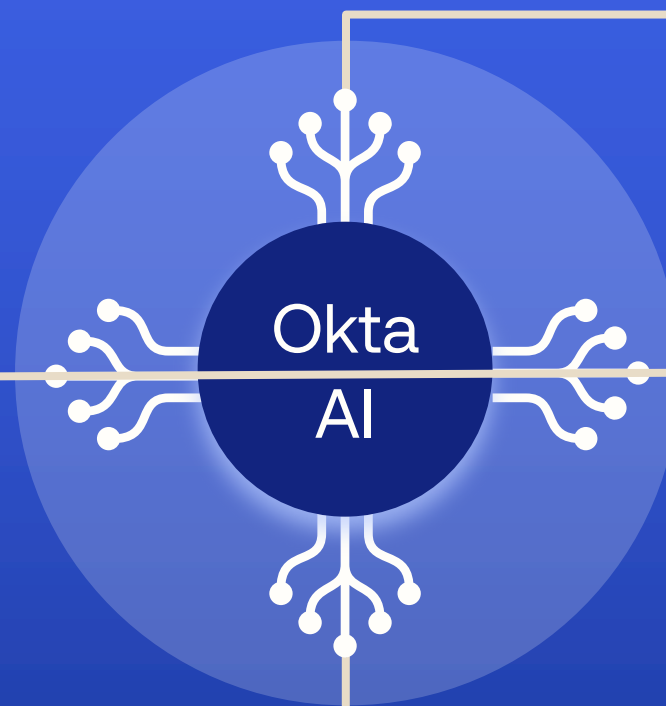




# The role of Identity in security

Identity is the connective fabric between the complex ecosystem of people and technologies, securely enabling your workforce to do their best work

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**Insights:**  
make sense of the  
increasingly complex



**Recommendations:**  
configure for  
best practices



**Speed to action:**  
take more rapid decisions





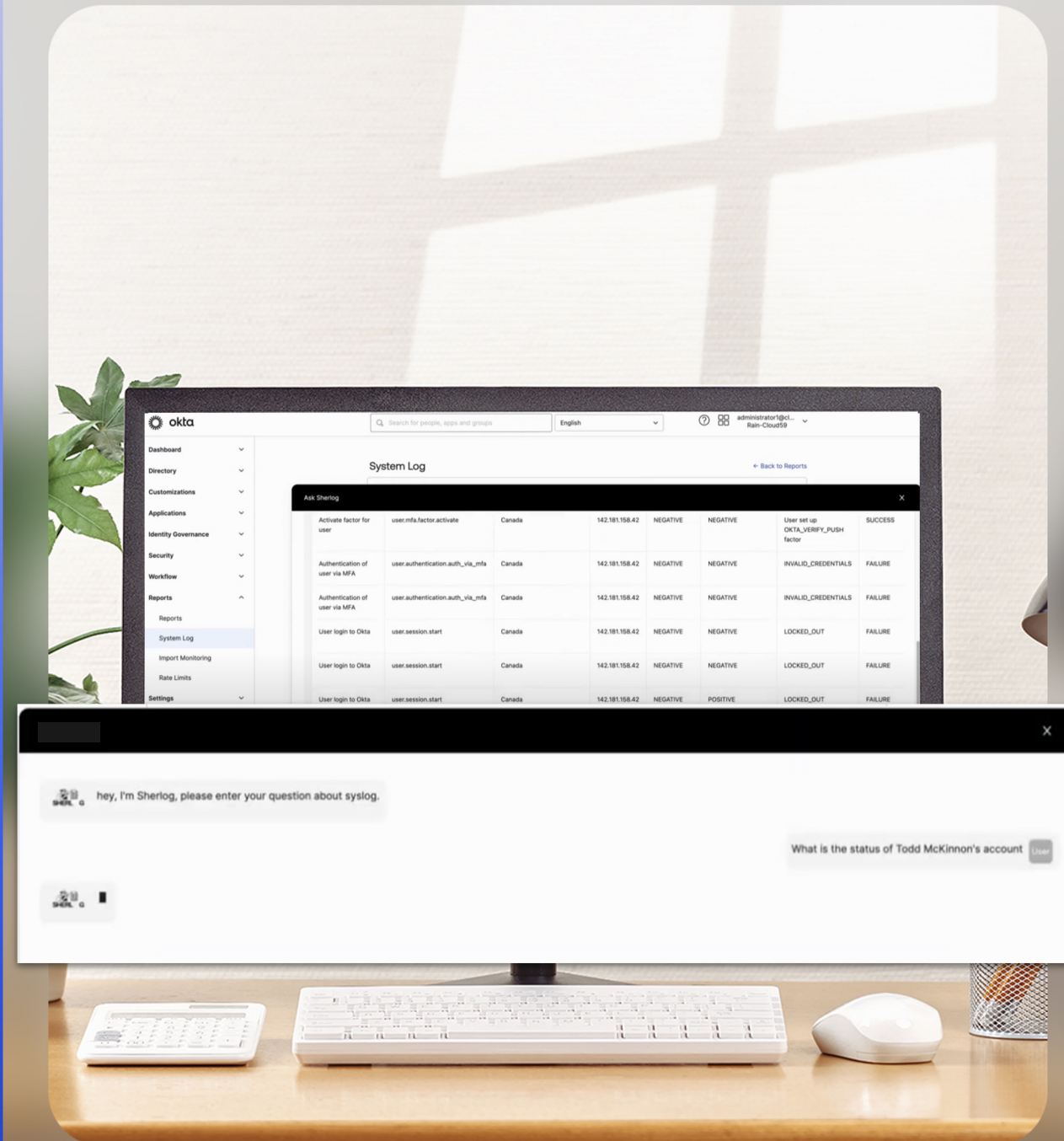
# Make sense of the increasingly complex

## Log Investigator with Okta AI

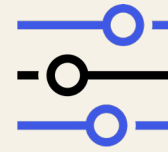
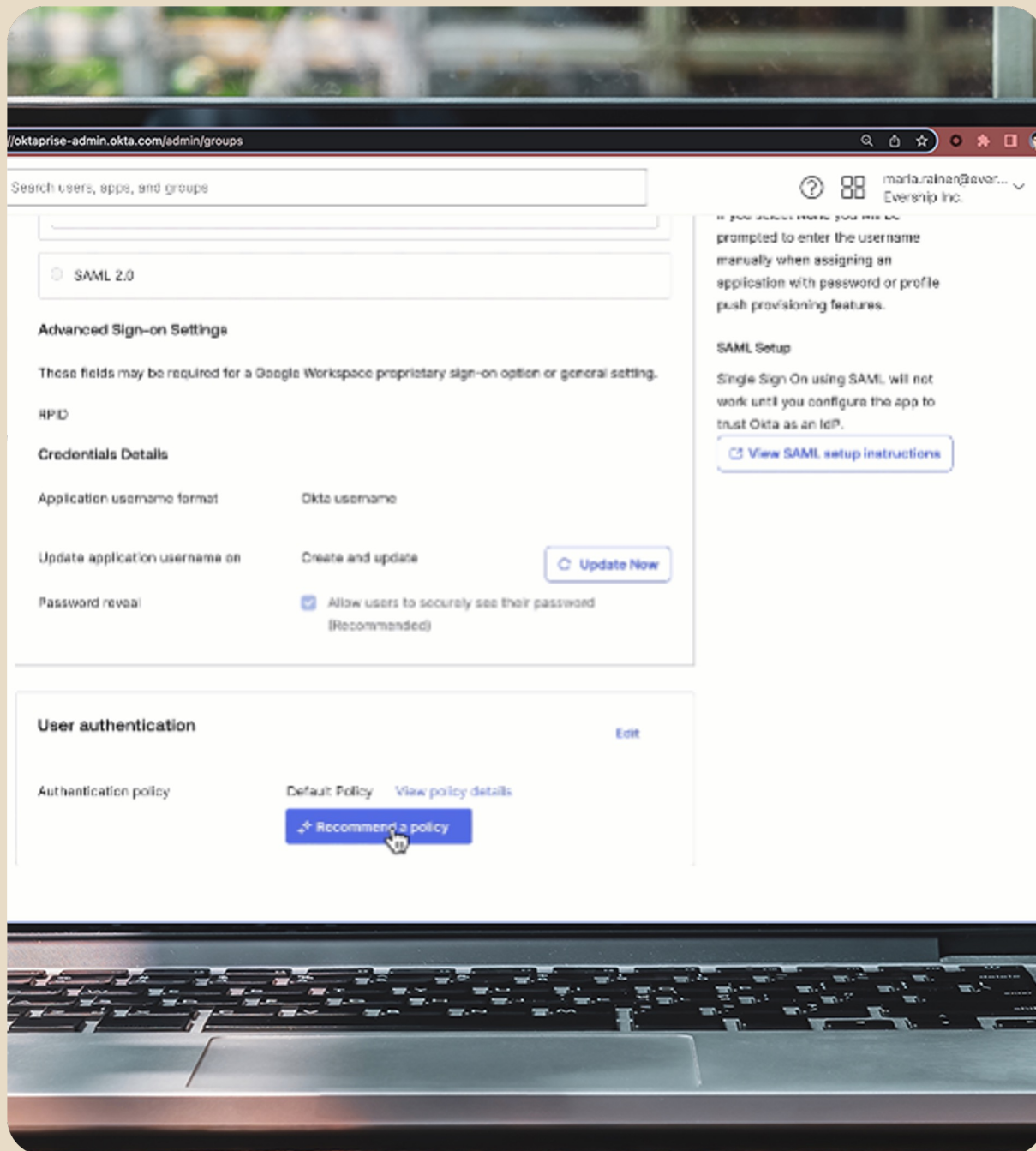
Enables admins to ask questions about Okta data in plain English, and obtain insights on the historical context of their Identity posture.

*“Have we seen any suspicious logins this week?”*

*“Who is not using their full G Suite license?”*







# Configure for best security practices

## Policy Recommender with Okta AI

Apply strong security policies with AI-driven insights and recommendations

Aggregated intelligence from across Okta's extensive ecosystem

Recommendations based upon crowdsourced insights as well as best security practices

Optimised security outcomes without overwhelming admins



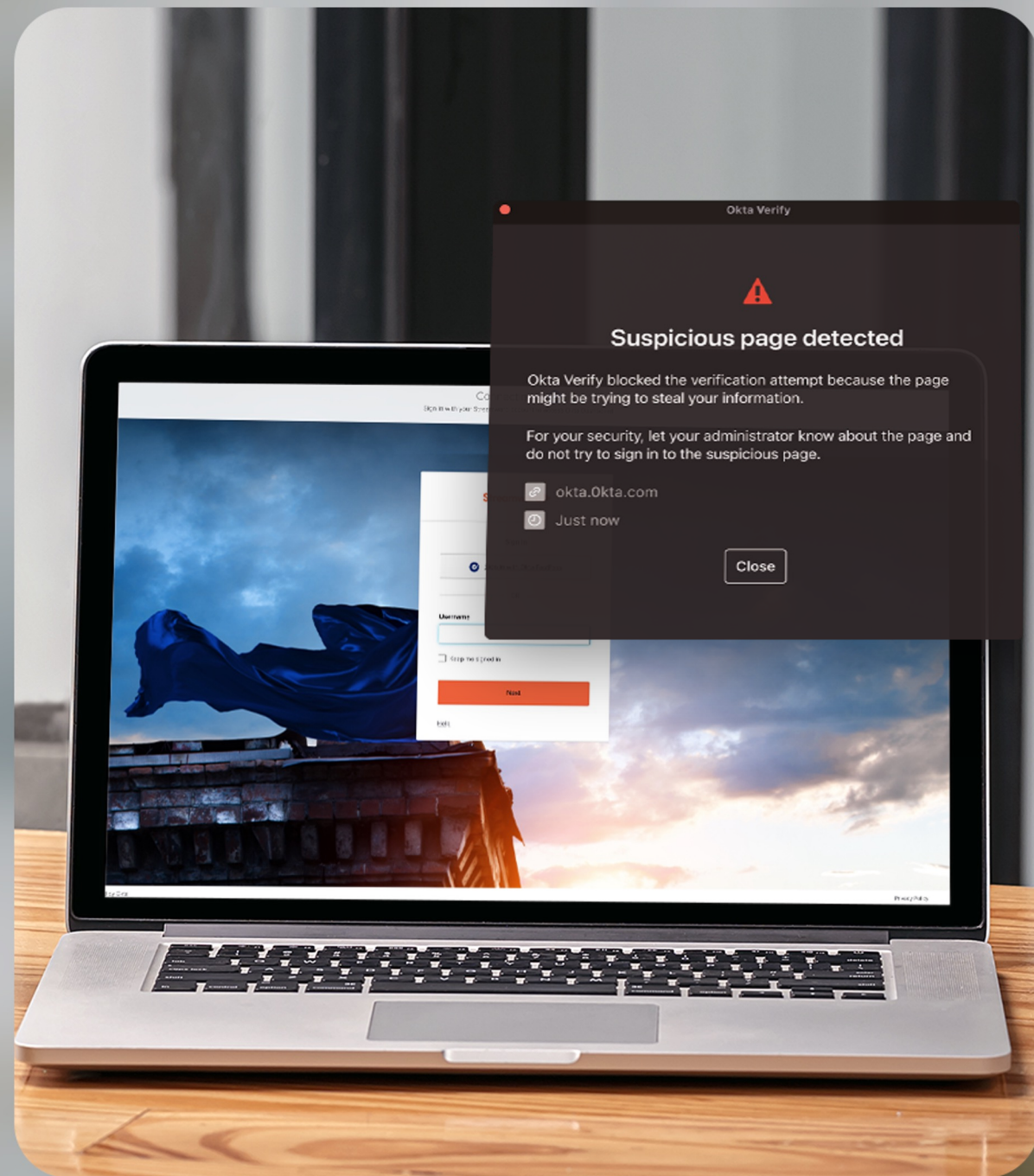
# Take more rapid decisions

## Identity Threat Protection with Okta AI

Assess identity risk in real-time during login and through active sessions

Amplify threat visibility by harnessing signals from your best-in-breed security ecosystem

Adapt through inline actions and automated workflows to address emerging threats

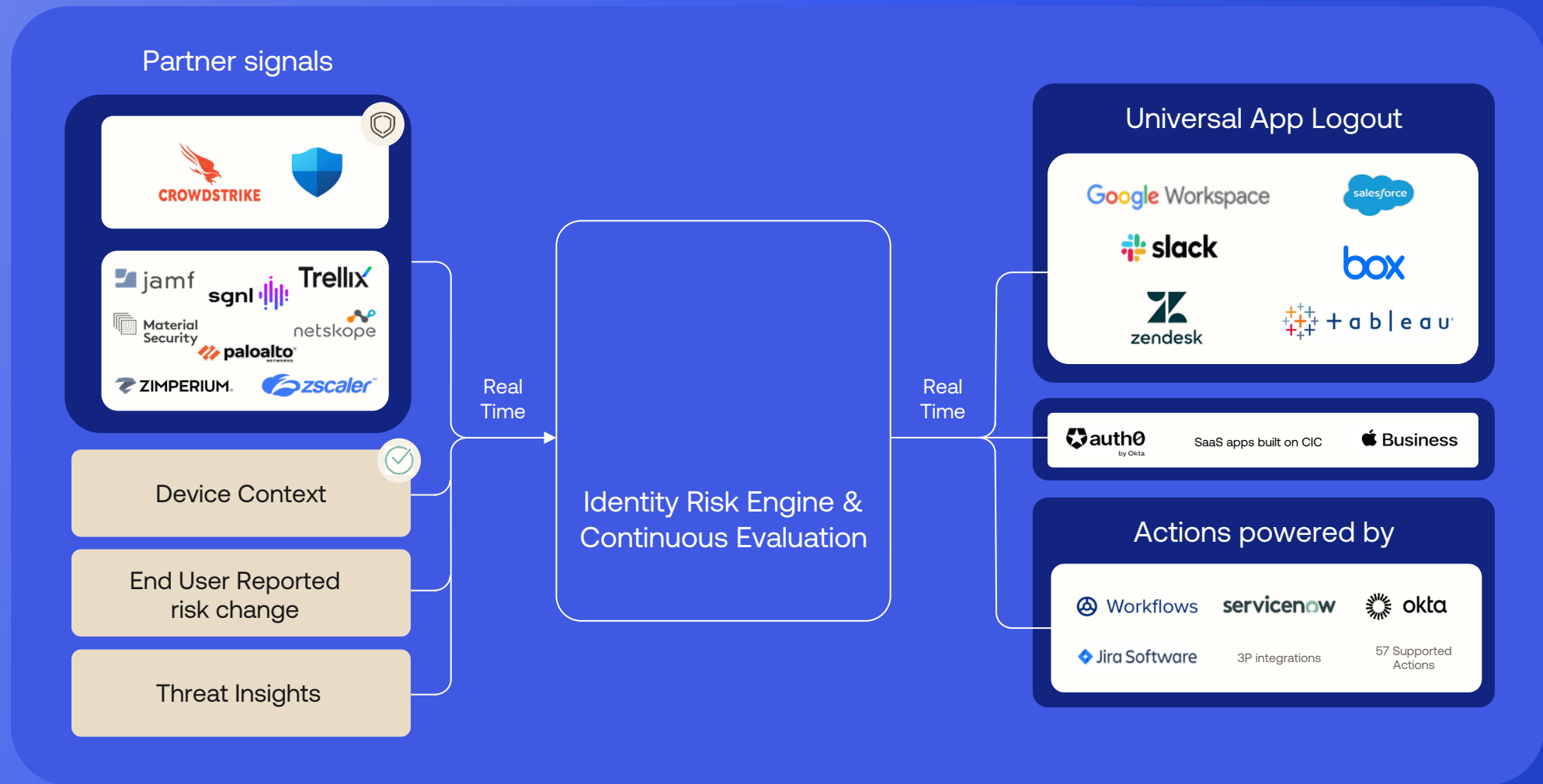


# The new Risk Paradigm: Full 360 Identity Threat Protection





# Identity Threat Protection with Okta AI





With the power of new AI models  
comes greater responsibility



# The attackers are already using AI, so should you

You can too for:



**Insights:**  
Make sense of the  
increasingly complex



**Recommendations:**  
Configure for best  
security practices



**Speed to action:**  
Take more rapid  
decisions



Continue the conversation at **Booth 629**







# Thank You