WSO2CON NORTH AMERICA

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The Evolution of IAM in the AI Era

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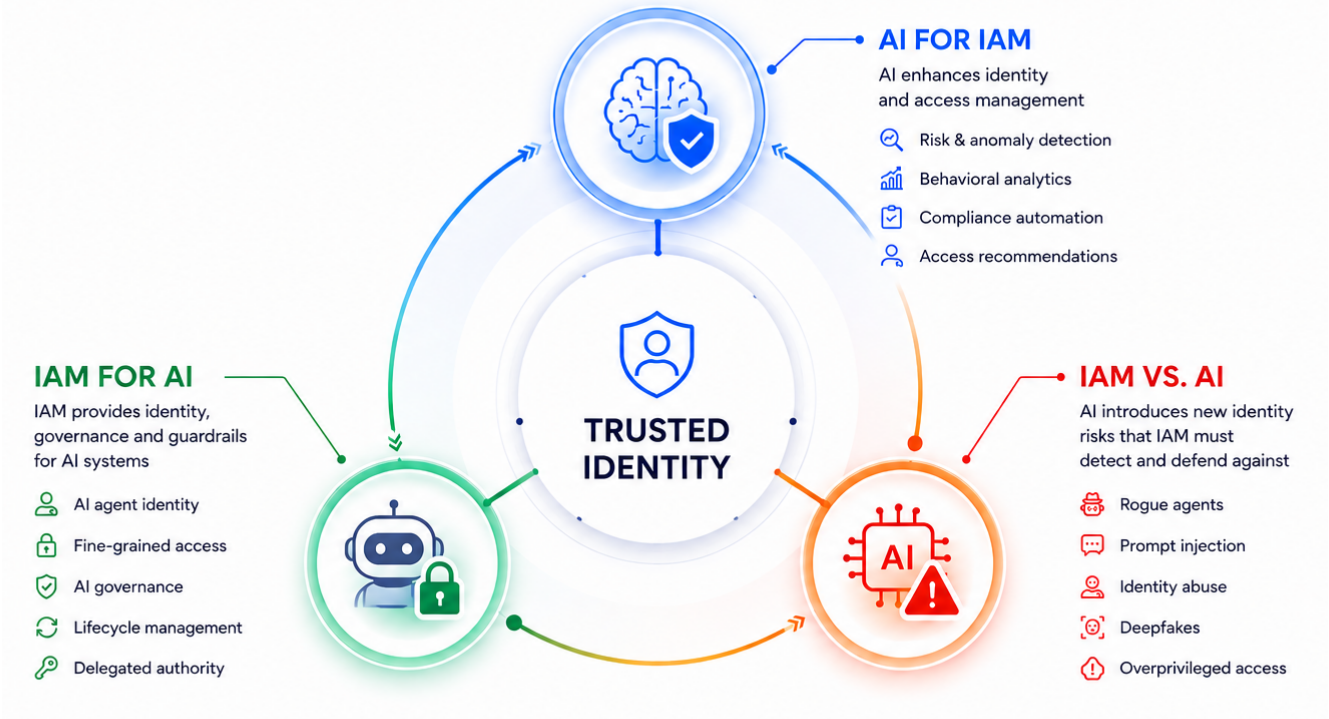
The IAM-AI Triad



IAM for AI

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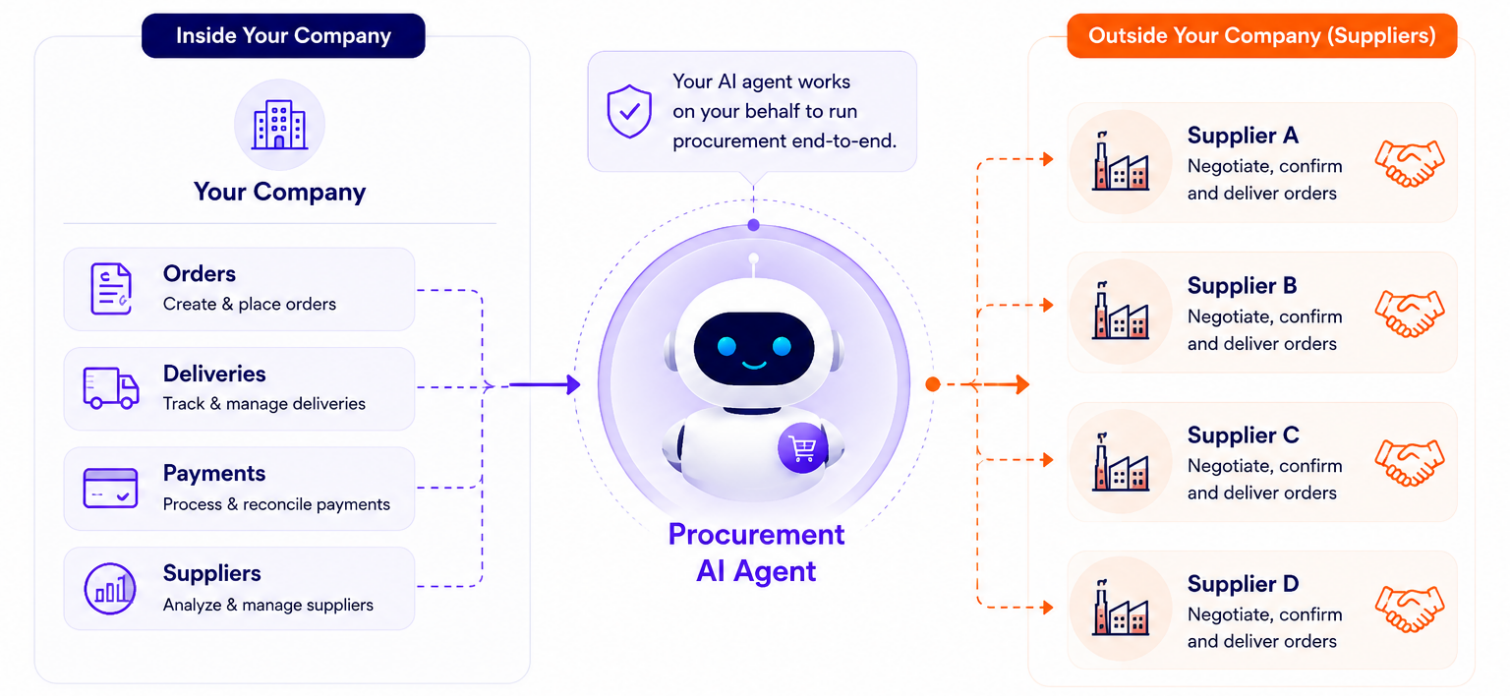
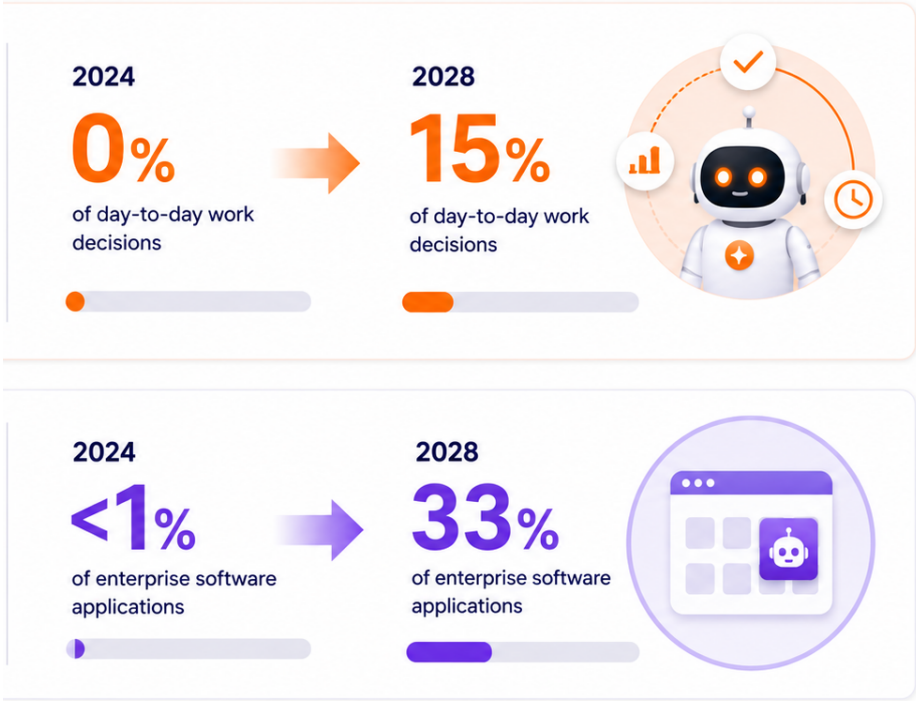
IAM for AI



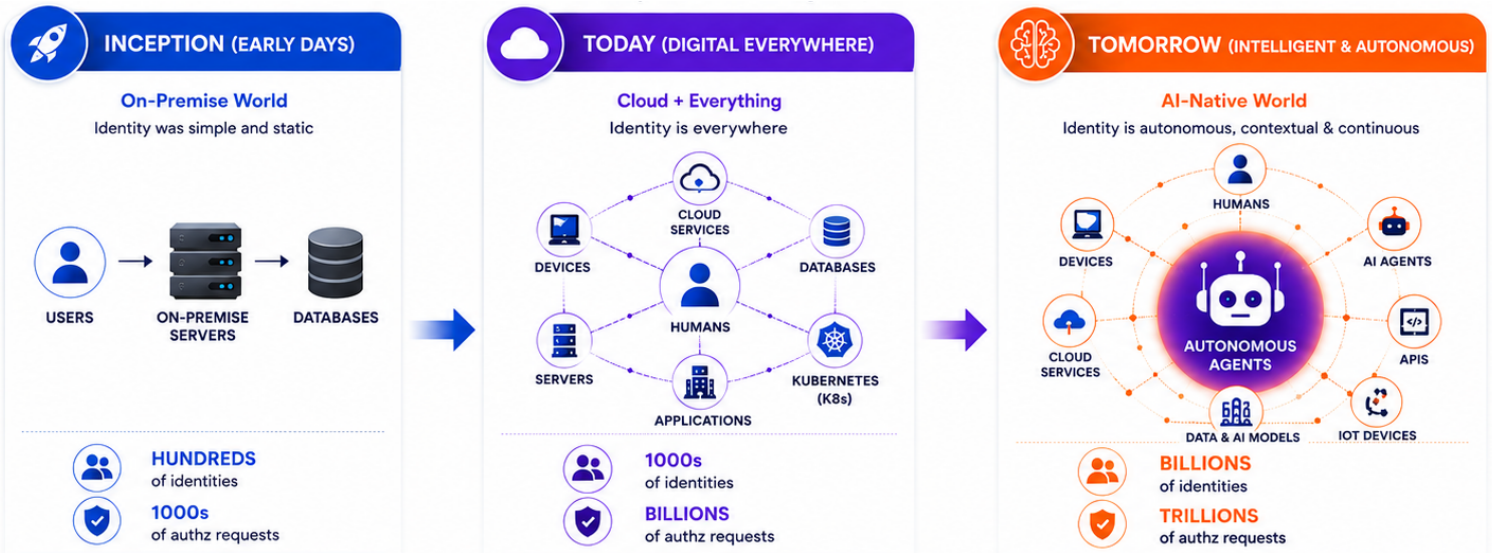
Your next multi-million dollar customer could be an AI Agent

AI is changing the enterprise landscape!!

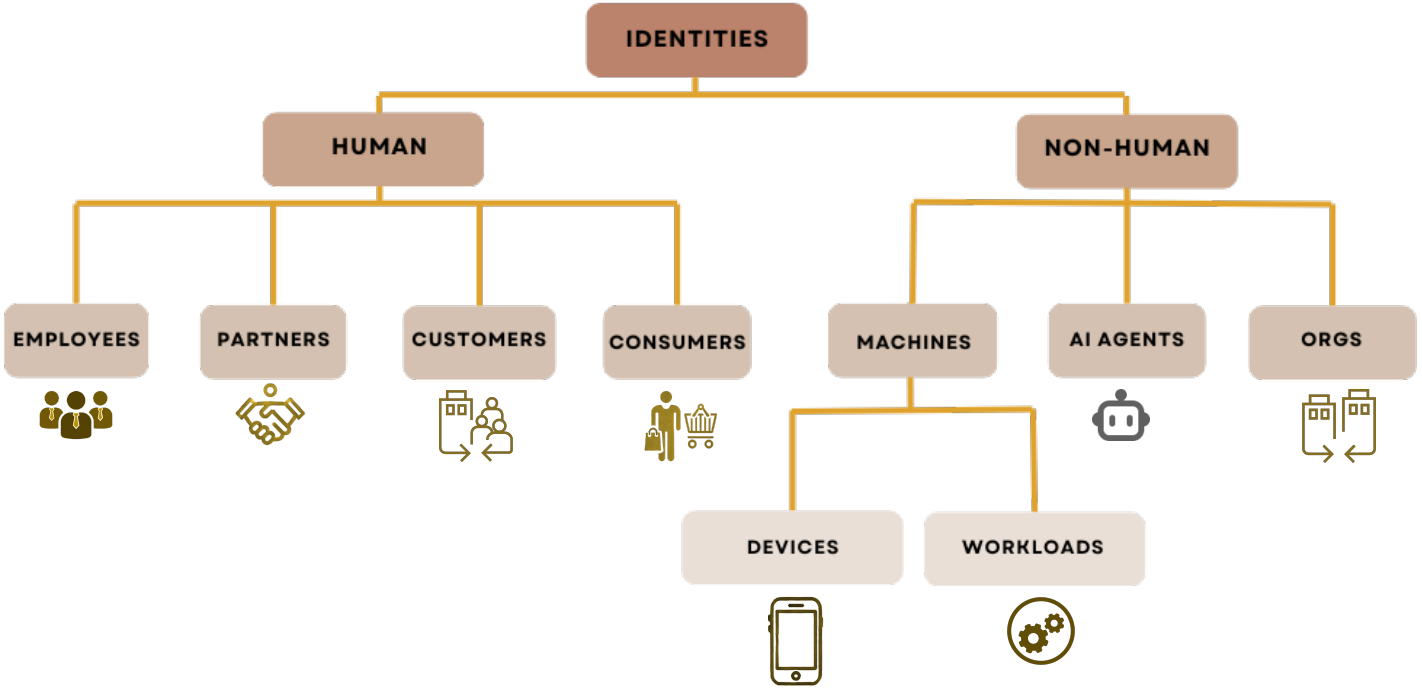


Sources: Gartner Press Release.

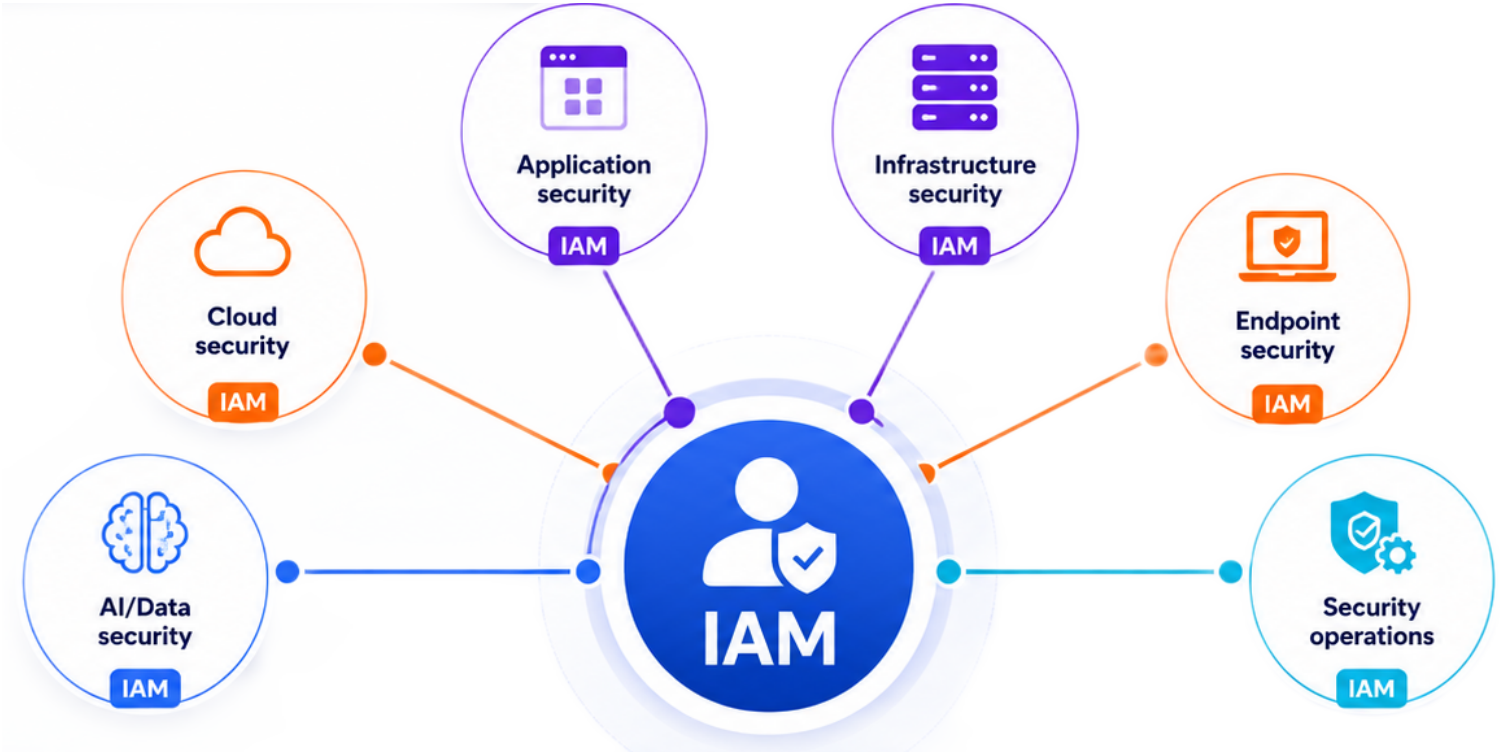
Identity Explosion Meets Cloud + AI



Agent ID is seen as an Evolution of Machine IDs

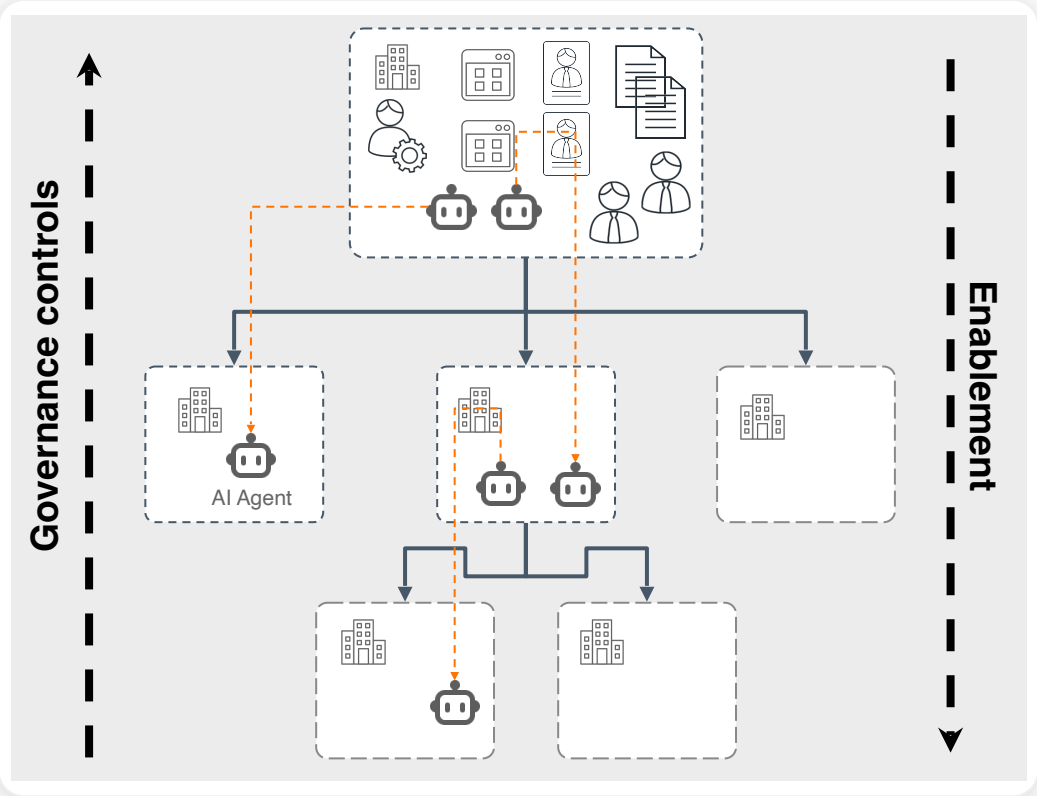


Identity-first Security



Governance for AI Agents

Delegated Administration for Agent IDs



Agentic IAM Protocols

- On-behalf-of (OBO) Flow
- MCP
- A2A
- Dynamic client registration
- ABAC, ReBAC and RAR
- CIBA
- Workload federation and token exchange
- Secure Vault

Other Emerging Protocols

Internet of Agents

Agent Network Protocol

AI Agent Protocol

Trusted Commerce Protocol

Agentic Commerce Protocol

A URI-Based Framework for Interoperable Agents

NANDA Project

Agent Payments Protocol

AI vs IAM

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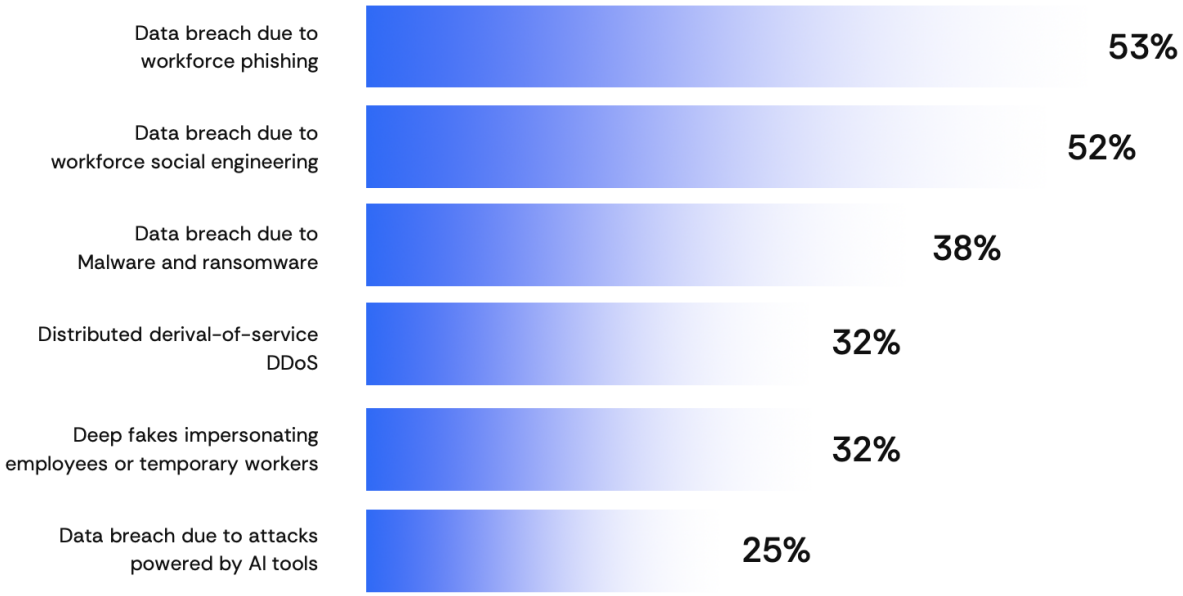
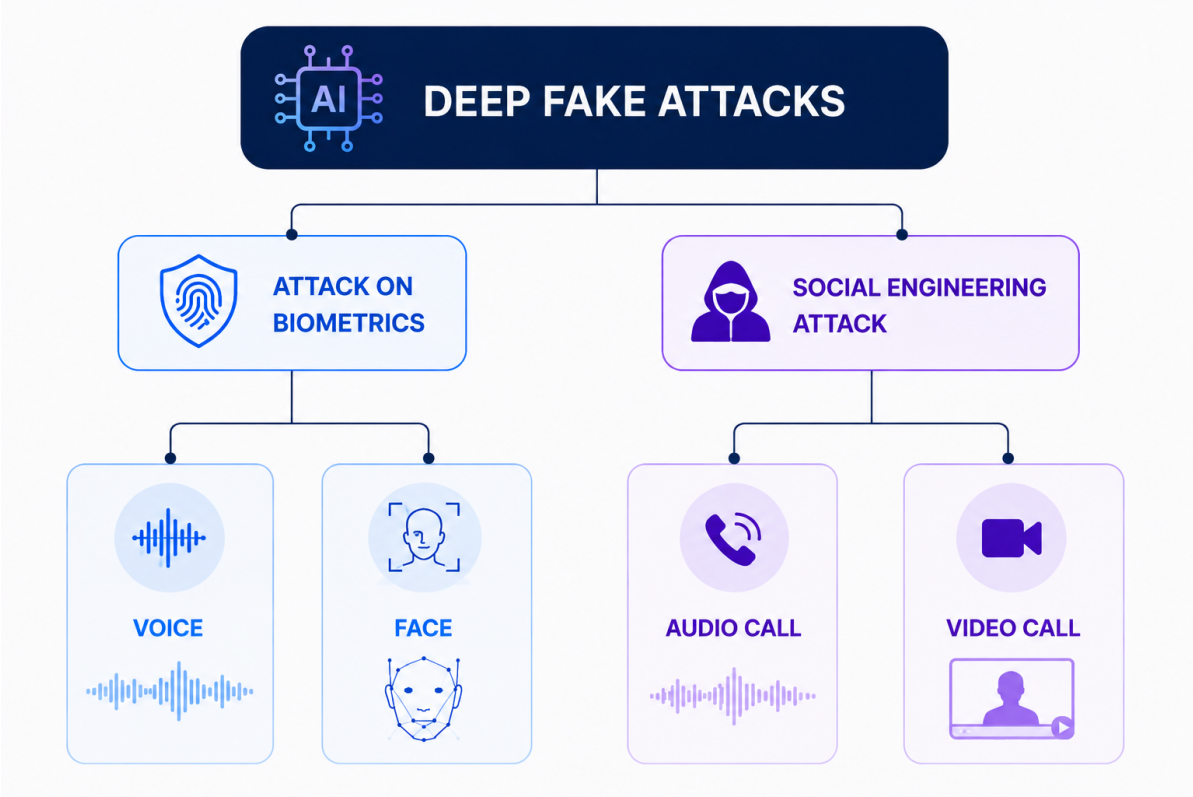
Deep fakes and AI powered attacks are growing concerns

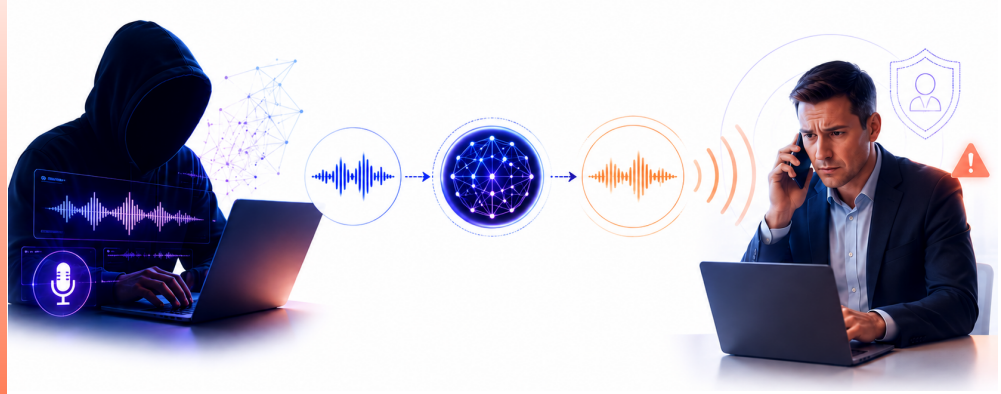


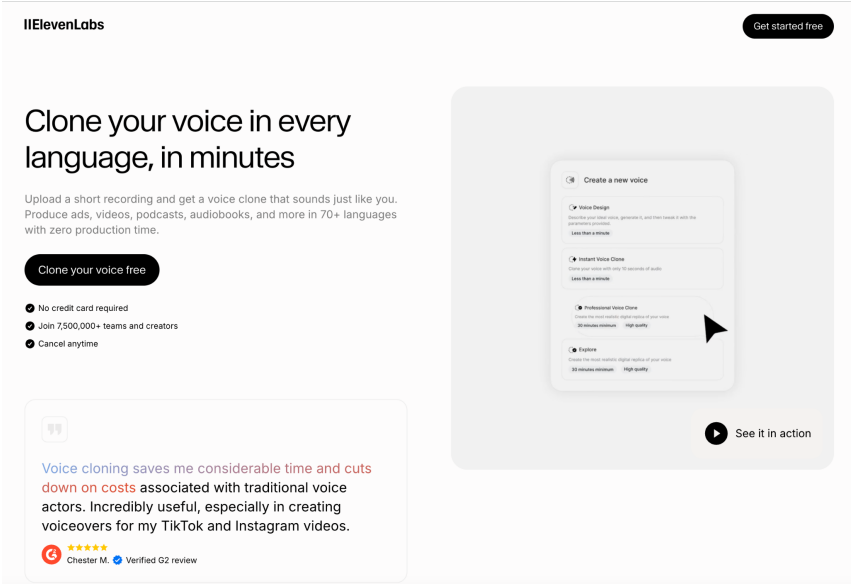
Source: Datos Insights – Financial Crime and Cybersecurity Forum

Deep Fake Attacks



Deep Fake Voice Detection





Deep Fake Voice Detection

Multi-layered Defense for Voice

- Caller ID Spoofing
- IMEI Spoofing
- Sim Swap detection
- Phone/identity correlation services

Face Deep Fakes

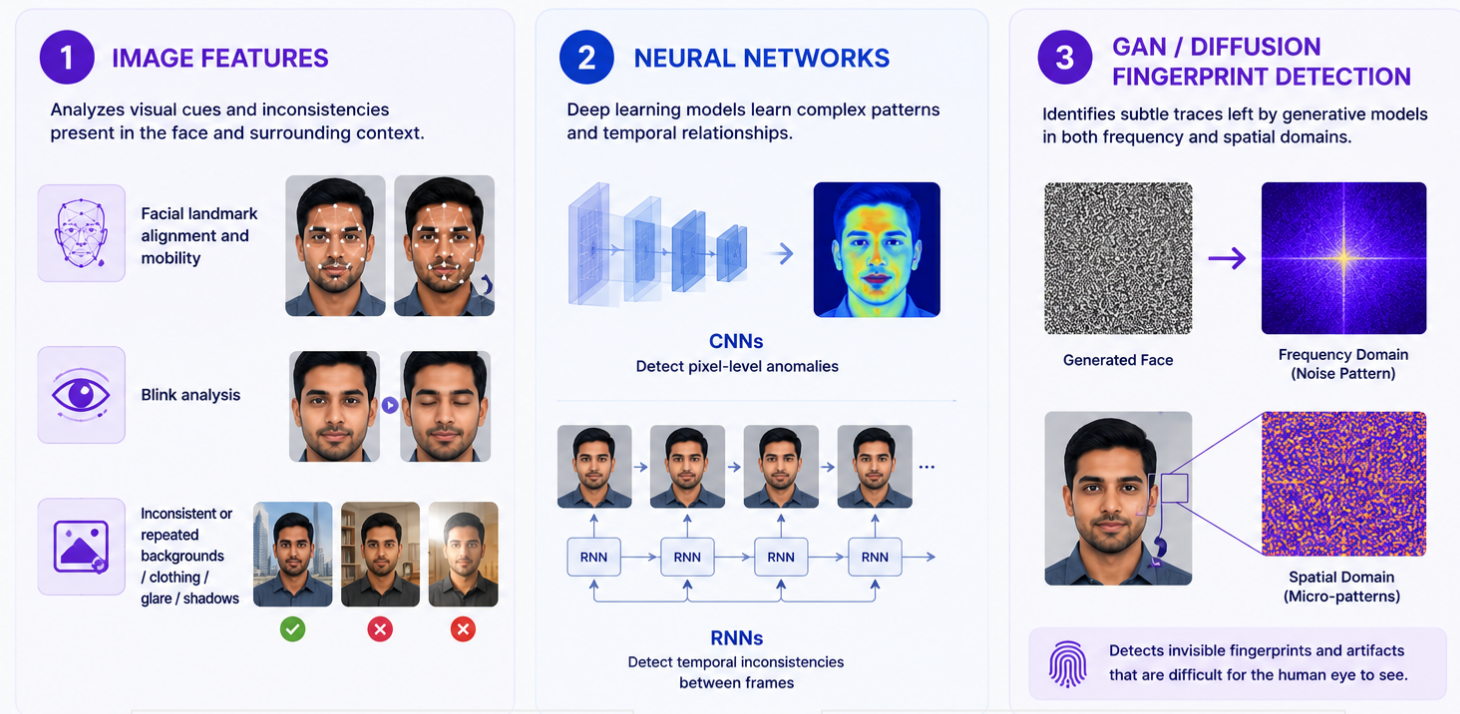
- **Presentation attacks**

  Fraudulent artifact is presented to the physical sensor (camera).

- **Injection attack**

  Digital content is introduced into the IDV process by-passing the physical sensor (camera).

Deepfake Face Detection



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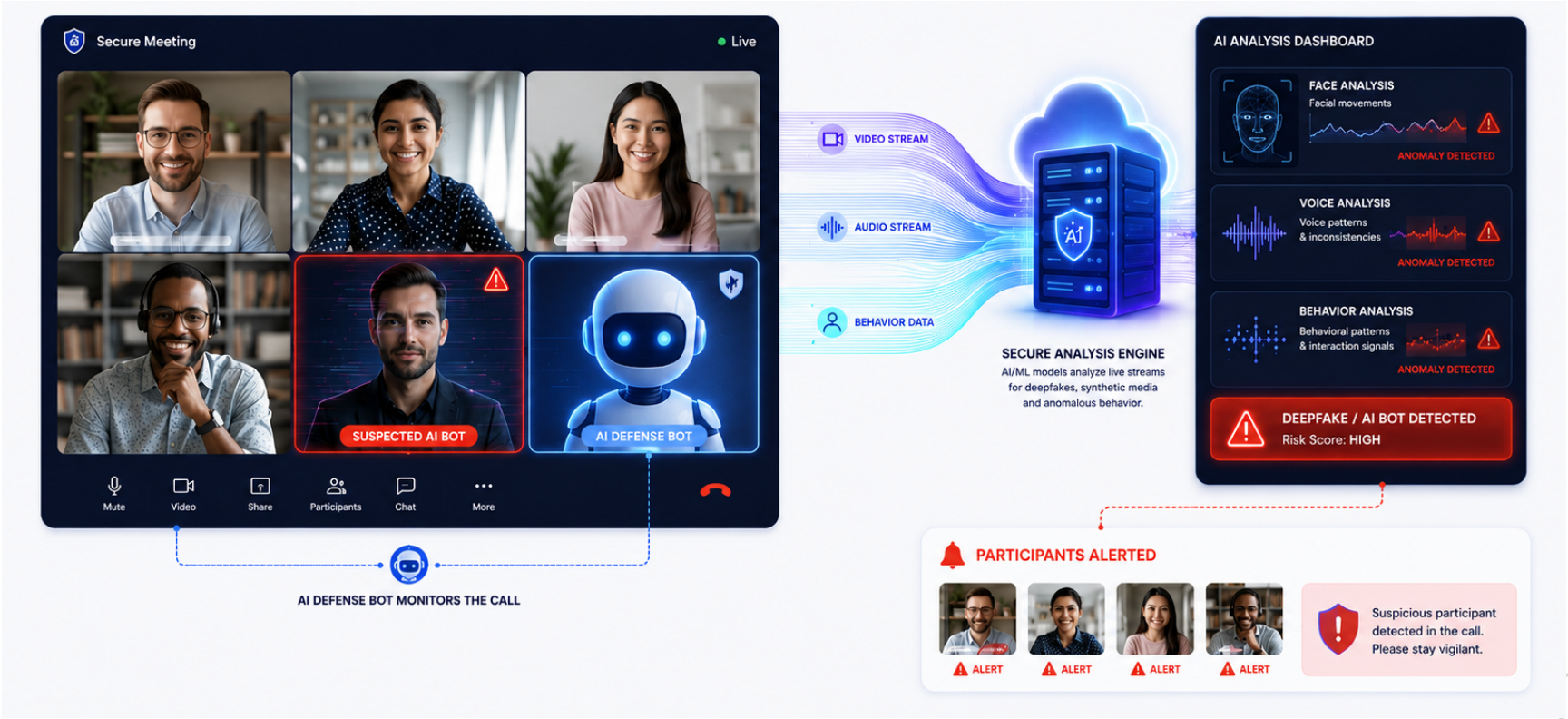
CEN/TS 18099:2025

Multi-layered Defense for Face

Social Engineering against Employees



AI for IAM

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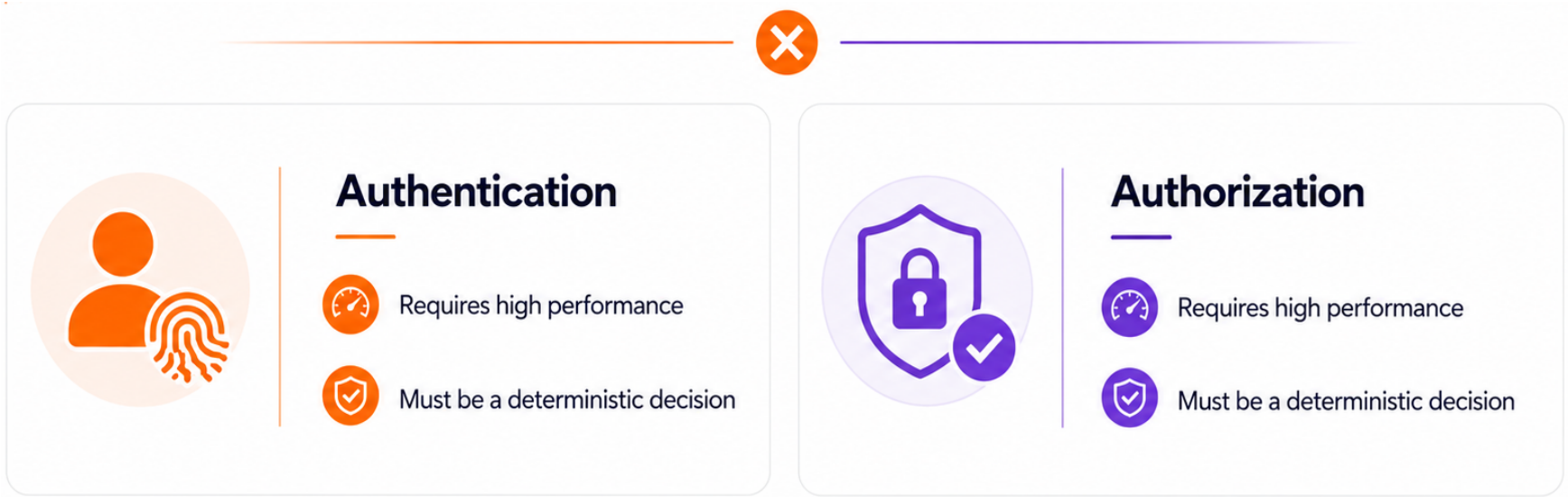
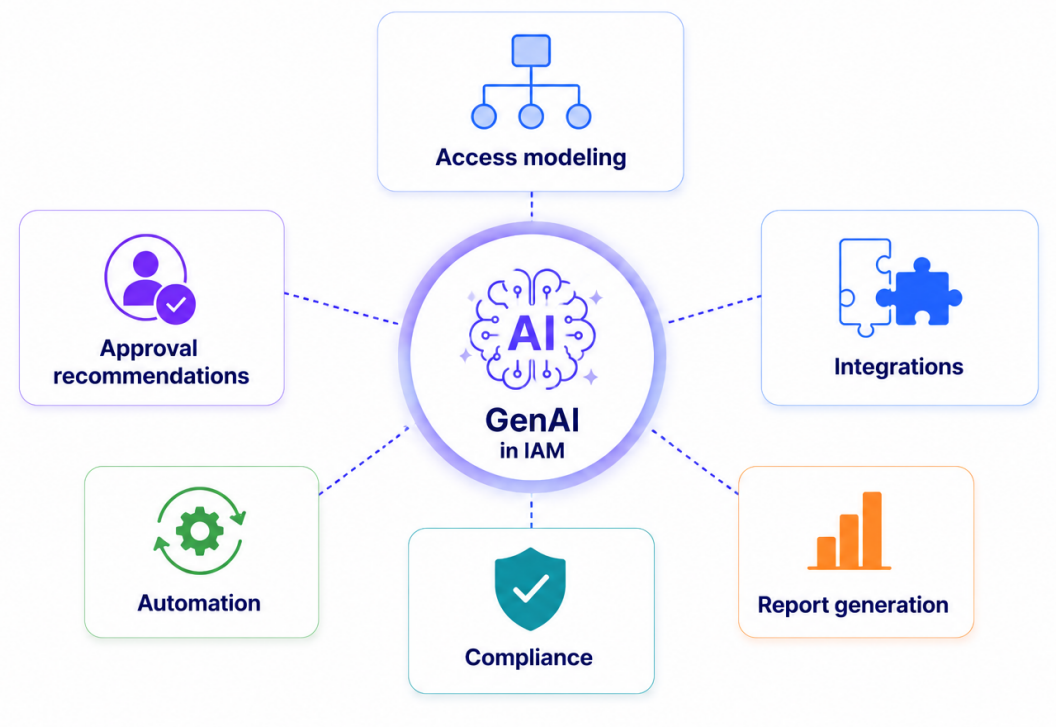
GenAI Fit for Purpose

Criteria	Fit for GenAI
Can be done well (enough) by humans	🟢 Yes
Priority is acceleration	🟢 Yes
Requires clear human accountability	🟡 Somewhat
Priority is quality	🟡 Somewhat
Requires real-time or near real-time responsiveness	🔴 No
Requires deterministic decisions	🔴 No

Where GenAI is not fit for purpose

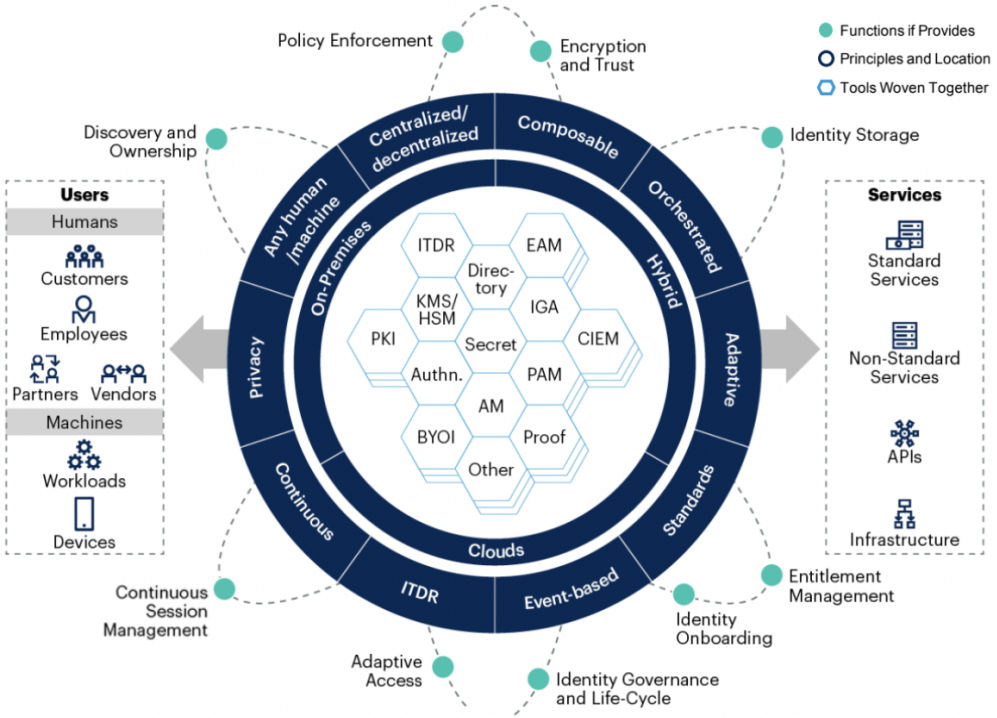


GenAI Use Cases in IAM



Machine Learning for Continuous Risk-based Authentication

The Identity Fabric



*Source: Identity Fabric - The Definition and its Architecture - Felix Gaehtgens, Gartner IAM Summit 2024, London


AI is not just another technology cycle; it is a paradigm shift underway.
And IAM is being completely reconstructed.

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Thank You!

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