



Securely adopting and scaling AI

Organizations are being tasked with leveraging artificial intelligence (AI) to achieve aggressive goals around operational efficiency, customer engagement, revenue, and profit. At the same time, AI introduces new security risks that can derail organizational goals if not properly managed.

Cyber for AI emphasizes the need for security to be integrated throughout the AI journey—from intake to secure development and testing, supported by governance and foundational cyber capabilities to manage AI risks—facilitating alignment with business growth objectives to leverage AI’s transformative potential.

AI introduces new threats—and challenges executives to act

As AI evolves and adoption rapidly expands, it creates different security challenges, making it harder for business leaders to design strategies that effectively counter emerging threats.

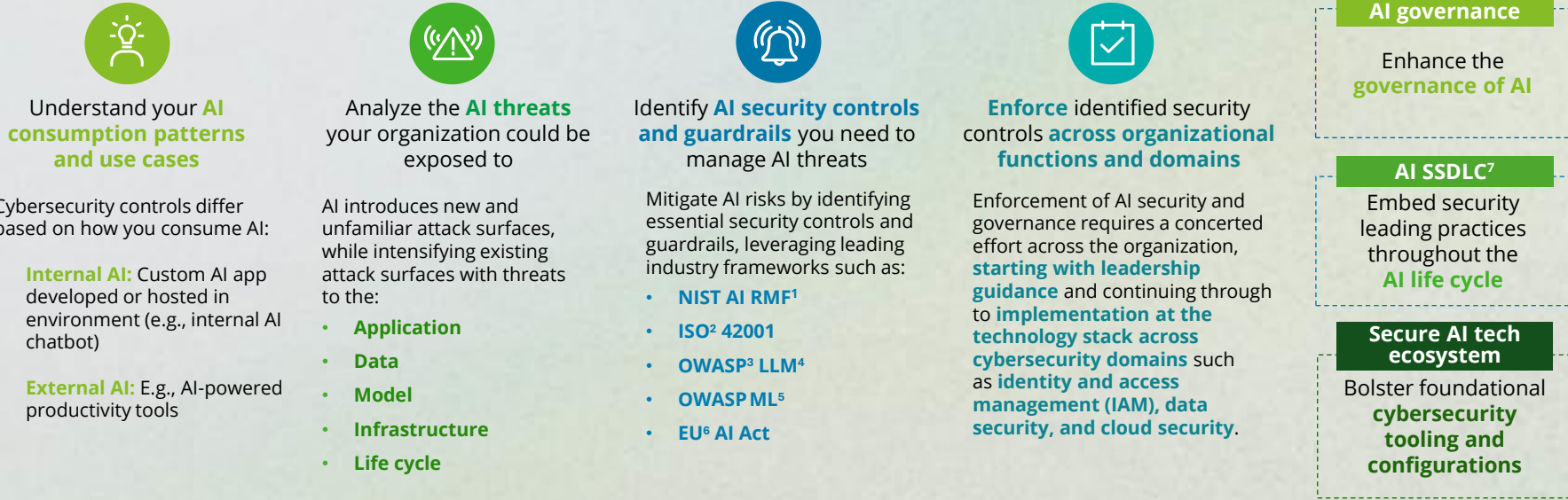
Concerns for executives	
Shadow AI	Model jailbreak
Supply chain attacks	Copyright violations
Data poisoning	AI model access
Agent memory poisoning	Bias and discrimination
Sensitive data exfiltration	Insecure agent

...and many more

Common AI threats
What if <b>unsecured AI</b> turns a strategic investment into a financial disaster?
What if an <b>AI misstep</b> undermines our risk management efforts?
What if an <b>AI vulnerability</b> derails our digital transformation?
What if a <b>single cyberattack</b> jeopardizes the organization?

Deloitte blueprint to securing AI

**Organizations need to act now and set the pace for long-term success**—securing AI transformation requires a concerted effort across the organization and throughout the AI life cycle beginning with understanding how you consume AI, the different threats that shape your landscape, controls and guardrails required, and how these can be implemented **to derive sustainable value from AI amid rapid AI adoption**.




1. National Institute of Standards and Technology Artificial Intelligence Risk Management Framework. 2. International Organization for Standardization. 3. Open Web Application Security Project. 4. Large Language Model. 5. Machine Learning. 6. European Union. 7. AI Secure Software Development Life Cycle.

Connect to accelerate


Contact our leaders to dive deeper into the blueprint and reimagine what’s possible for your organization.



**Mark Nicholson**  
Principal  
Cyber AI GTM Leader  
Deloitte & Touche LLP  
manicholson@deloitte.com




**Naresh Persaud**  
Principal  
AI Transform Leader  
Deloitte & Touche LLP  
napersaud@deloitte.com




**Chris Knackstedt**  
Managing Director  
Cyber for AI Leader  
Deloitte & Touche LLP  
cknackstedt@deloitte.com



**Mehdi Houdaigui**  
Principal  
Cyber Strategy & Transformation Leader  
Deloitte & Touche LLP  
mhoudaigui@deloitte.com



**Nirmal Arava**  
Senior Manager  
Cyber for AI Leader  
Deloitte & Touche LLP  
narava@deloitte.com



**Steve Ruzzini**  
Senior Manager  
Cyber AI GTM Activation Lead  
Deloitte & Touche LLP  
sruzzini@deloitte.com

Organizations need to secure AI with strategic guardrails across the three layers of AI governance, AI SSDLC, and the secure AI technology ecosystem

Building upon the threats and security controls identified, securing AI requires a concerted effort across the organization, beginning with clear leadership direction and extending through each layer of implementation, from policy development to integration within the technology stack.

