

Secure Your AI Ecosystem

Unified protection for cloud, data, apps and agents

The expanding AI ecosystem demands comprehensive security



With the growing complexity, speed, and diversity of threats—including the use of AI to create highly sophisticated attacks—the importance of a unified platform to protect cloud and AI is greater than ever. Organizations can address these complexities with solutions that help:

Discover risks faster with visibility across cloud, data, and AI

Protect against threats and respond in near real time with AI-enabled tools

Govern data and simplify compliance through continuous assessment and support for regulatory standards

Protect cloud and AI from code to runtime



Top five ways our solutions strengthen your security

With comprehensive visibility, proactive risk prioritization, and real-time detection and response, Defender for Cloud, Purview, and Azure AI Foundry protect your modern cloud and AI assets from code to runtime—while helping you comply with evolving regulations and standards.

Start secure and stay secure

Embed protection from code to runtime with remediation workflows and AI safety evaluations starting at the design phase.

Data protection and oversharing prevention

Classify and label sensitive data, enforce policies, and dynamically restrict risky activity to reduce exposure.

AI-powered threat detection and response

Detect and respond to threats in near real time with anomaly detection and generative AI insights.

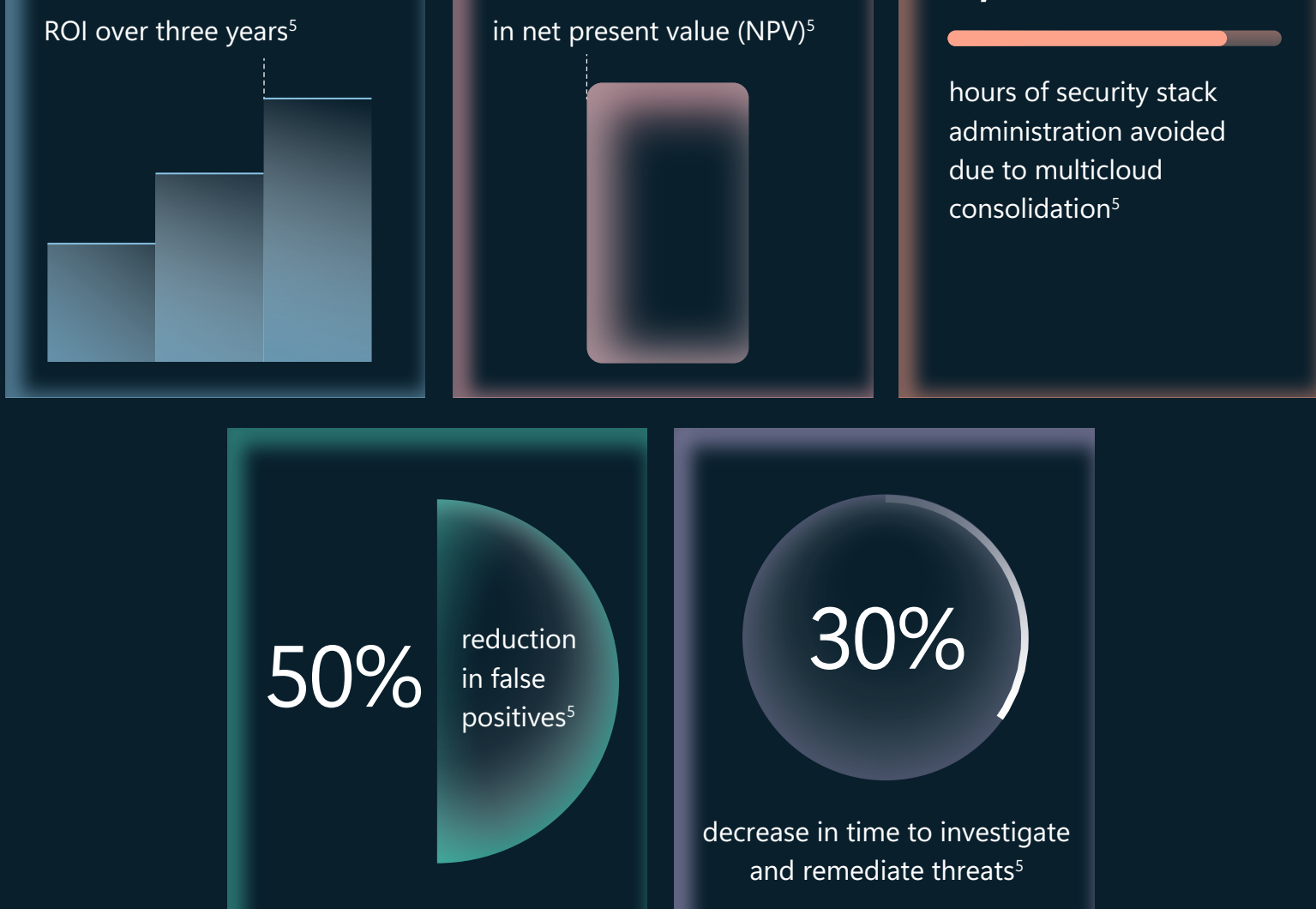
Unified visibility and risk prioritization

Gain end-to-end visibility across cloud and AI environments and focus on the most critical risks.

Compliance and governance at scale

Simplify compliance with hundreds of global frameworks and automated oversight through Compliance Manager.

Security that delivers ROI



Forrester Consulting, "The Total Economic Impact™ Of Microsoft Defender For Cloud," August 2024 | Updated January 2025, commissioned by Microsoft

Hear from those we protect

"Purview and Defender help us prevent incidents before they occur. That's the name of the game in security: resolving problems before they affect our business."

– Greg Schellenberg
Director of Cyber Security, KPMG

[Read the full story →](#)

"We've successfully resisted multiple jailbreak attempts. Defender for Cloud shows us how to design our processes with optimal security and monitor where jailbreak attempts may have originated."

– Marwan Kodeih
Chief Product Officer, Mia Labs, Inc

[Read the full story →](#)

Analysts recognize Microsoft for security innovation and leadership

4 Gartner Magic Quadrants

6 Forrester Waves

9 IDC MarketScape Analyses

AWARDED FOR Cloud Security Leadership

100T+ signals daily, largest volume + variety of threat data⁶

100M+ Developers using GitHub⁷

Take the next step with Microsoft cloud and AI security

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1. IDC White Paper, Sponsored by Microsoft, "THE NEXT ERA OF CLOUD SECURITY: Cloud-Native Application Protection Platform and Beyond", Doc. #US53297125, April 2025

2. First Annual Generative AI study: Business Rewards vs. Security Risks, Q3 2023, ISMG, N=400

3. First Annual Generative AI study: Business Rewards vs. Security Risks, Q3 2023, ISMG, N=400

4. Microsoft Work Trend Index Survey 2025

5. FORRESTER

To better understand the benefits, costs, and risks associated with this investment, Forrester interviewed five representatives with experience using Defender for Cloud. For the purposes of this study, Forrester aggregated the interviewees' experiences and combined the results into a single composite organization that is a global, North America-based company facing mounting cybersecurity threats to its multicloud infrastructure. The potential ROI or benefits of Microsoft Defender for Cloud are projections based on the study. They do not constitute guarantees nor promises, and individual productivity and ROI outcomes are dependent on the organization and will vary.

The Total Economic Impact™ Of Microsoft Defender For Cloud: Cost Savings And Business Benefits Enabled by Microsoft Defender A Forrester Total Economic Impact™ Study Commissioned By Microsoft, August 2024 | Updated January 2025.

6. Based on Microsoft internal data. Accurate as of July 2025

7. 100 million developers and counting - The GitHub Blog, January 25, 2023