

# **AI Trust, Risk And Security Management Market Size, Share & Trends Analysis Report By Component (Solution, Services), By Type (Explainability, ModelOps), By Application, By Deployment, By Enterprise Size, By End-use, By Region, And Segment Forecasts, 2025 - 2030**

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## **Abstracts**

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### **AI Trust, Risk And Security Management Market Growth & Trends**

The global AI trust, risk and security management market size is expected to reach USD 7.44 billion by 2030, registering a CAGR of 21.6% from 2025 to 2030, according to a new report by Grand View Research, Inc. As organizations increasingly embrace AI, concerns around bias, explainability, and security vulnerabilities have grown, making AI trust, risk, and security management (TRiSM) solutions essential for managing these risks effectively. The growing focus of regulatory bodies on promoting responsible and trustworthy AI systems also aligns with the growing demand for AI TRiSM solutions. The growing demand for secure and reliable AI applications across industries is presenting the need for AI TRiSM to mitigate risks and ensure compliance. For instance, in June 2023, Resistant AI, which specializes in protecting financial institutions from fraud and money laundering, raised USD 11 million for its AI security solutions. The funding would reflect the growing demand for AI-powered security solutions, notably in the financial services industry.

Collaboration between AI TRiSM providers and other technology companies is creating market growth opportunities. This collaboration serves to expand the AI TRiSM

ecosystem, fostering a more comprehensive and integrated range of solutions. By working together, AI TRiSM providers and tech companies can incorporate elements such as data security platforms, explainable AI tools, and monitoring systems with existing AI TRiSM frameworks. Moreover, such collaborations help address specific industry needs related to AI implementation and development. Various sectors, such as healthcare, finance, and manufacturing, face unique challenges in terms of AI solutions related to trust, risk, and security. Through collaboration, tech companies can tailor AI TRiSM solutions to meet the distinct requirements of each industry, providing specialized and effective tools.

Moreover, the emergence of generative AI foundation models has created a unique set of challenges, including the need for advanced tools to manage the nuances of data exchange and processing between users and organizations. Addressing these challenges presents a growing opportunity for AI TRiSM developers to collaborate with policymakers. The growing need for AI TRiSM solutions creates a promising avenue for developers to innovate and create tools that address specific challenges in data management, privacy assurance, and content filtering within the context of generative AI foundation models.

### AI Trust, Risk And Security Management Market Report Highlights

The solution segment led the AI Trust, Risk, and Security Management (TRiSM) industry and accounted for around 70% of the global revenue share in 2024. The services segment is estimated to grow significantly over the forecast period.

The explainability segment accounted for the largest revenue share of the AI TRiSM industry in 2024. The ModelOps segment is projected to grow significantly over the forecast period.

The governance & compliance segment accounted for the largest revenue share in 2024. The bias detection & mitigation segment is predicted to foresee significant growth in the forecast period.

The on-premises segment accounted for the largest revenue share of the AI TRiSM market in 2024. The cloud segment is estimated to grow significantly over the forecast period.

The large enterprise segment accounted for the largest market revenue

share in 2024. The Small & Medium Enterprise (SME) segment is predicted to experience significant growth in the forecast period.

The IT & telecommunication segment accounted for the largest revenue share of the AI Trust, Risk, and Security Management (TRiSM) market in 2024. The healthcare segment is anticipated to experience significant growth in the forecast period.

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