

Top 6 Emerging Technologies in 2024

A Glimpse into the Future



Quantum AI: The Future's Frontier

The global Quantum AI market is projected to reach **\$1.8 billion by 2030**, growing at a CAGR of 34.1%. The symbiotic fusion of AI and quantum computing unlocks scientific breakthroughs in various fields, including drug discovery, weather forecasting, financial modeling, and cyber security. The exponential processing power of quantum computers could speed up AI algorithms and process larger datasets simultaneously with greater efficiency.

Rise of Industry Cloud Platforms

The global industrial cloud market is estimated to be worth over **\$352.6 billion by 2031**, growing at a CAGR of 18%. With the rapid growth of Industry 4.0, the demand for extreme agility and flexibility has grown unprecedentedly. Organizations leverage industry-specific cloud platforms to accelerate digital and business transformation. The composable nature of ICP helps the industry streamline operations, improve operational efficiency, and reduce costs.



AITRiSM: AI Governance and Ethics

Gartner predicts, "By 2026, organizations will achieve **50% growth** in business goals, adoption, and user acceptance". Gartner's comprehensive AITRiSM (Artificial Intelligence Trust, Risk, and Security Management) framework enables the AI model's governance, reliability, fairness, trustworthiness, efficacy, and fairness. By leveraging AI TRISM principles, organizations can ensure the appropriate safeguards and ethical development of AI models.

Platform Engineering: Revolutionizing Software

The platform engineering services market is estimated to reach **\$41.2 billion by 2032**, increasing at a CAGR of 24.2%. It focuses on building a single centralized platform encompassing reusable components, services, workflows, and tools. It optimizes the developer experience and accelerates product delivery by offering self-service capabilities for software development. The standardization IDP provides helps reduce load time, guesswork, and stack complexity while increasing developer productivity.

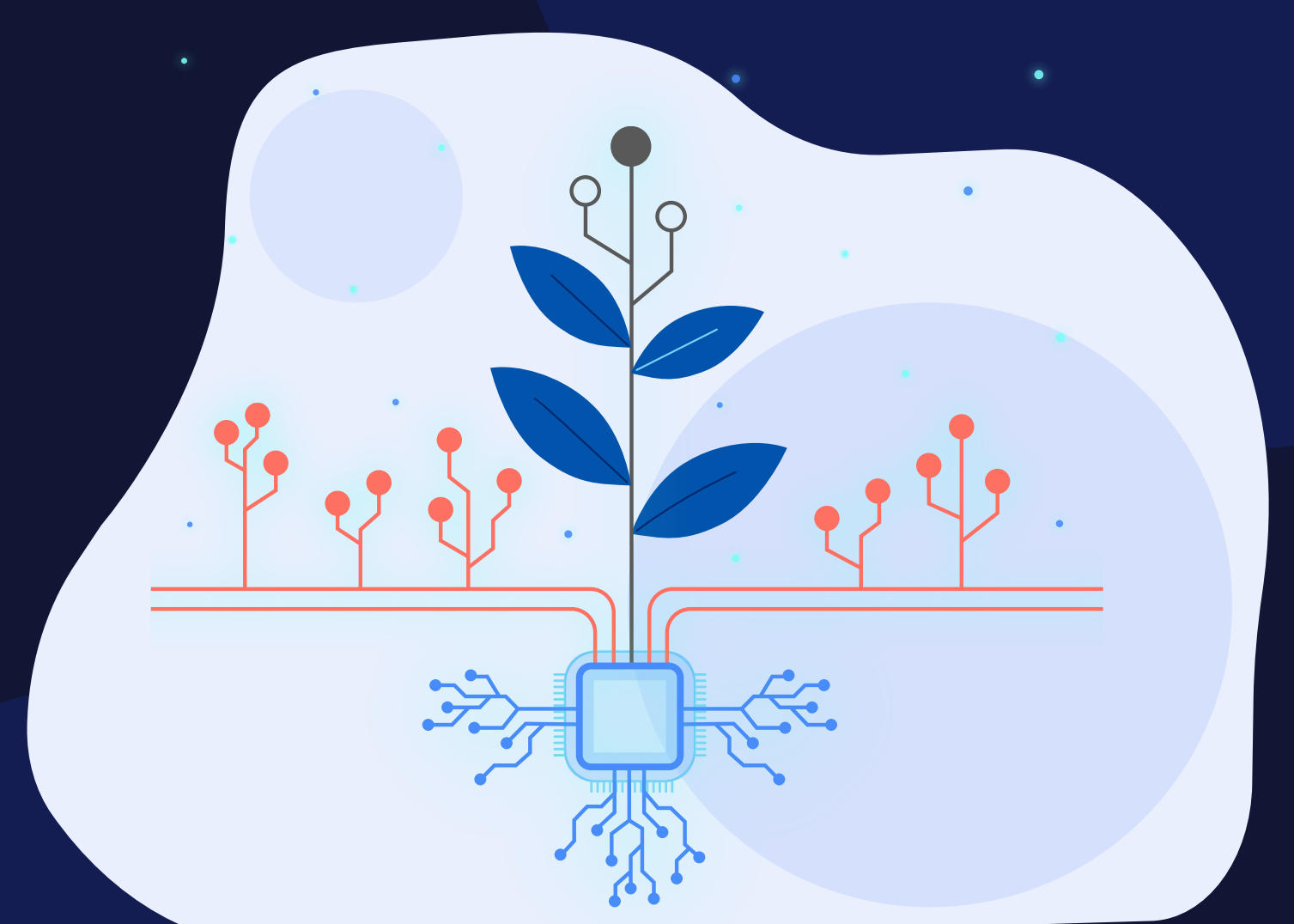


CTEM: Building Cyber Resilience

According to **Gartner's prediction**, organizations are experiencing the transformative shift from simply addressing threats to proactively managing the threat exposure. CTEM is a five-step framework that helps organizations continually monitor, assess, and mitigate evolving threats to their systems and networks. CTEM addresses unknown threats and prioritizes and tackles them by implementing strategic improvement plans and effective remediation efforts.

AI in Sustainable Tech: A Green Future

According to Gartner, "By 2025, **environmentally sustainable technology** will become mainstream adoption". Sustainable technology is a framework of digital solutions that drive environmental, social, and governance (ESG) outcomes for the enterprise and customers. AI elevates sustainability by providing unparalleled opportunities to measure and report environmental impacts. It amplifies green tech capabilities, helps improve business operations, and optimizes complex processes to reduce an organization's carbon footprint at reduced costs.



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