

A Report on The Future Landscape of Cybersecurity

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Abstract: *The cybersecurity landscape is continuously evolving, driven by advancements in technology and the ever-increasing sophistication of cyber threats. This research paper explores the future trends in cybersecurity, focusing on emerging technologies, evolving threats, and the strategic responses required to mitigate these risks. Key areas of interest include the rise of artificial intelligence and machine learning in threat detection, the growing importance of computing, and the increased emphasis on cybersecurity in critical infrastructure. By examining these trends, this paper aims to provide a comprehensive understanding of the future cybersecurity landscape and offer insights into how organizations can prepare for and counteract emerging cyber threats.*

Keywords: Cybersecurity, future trends, artificial intelligence, machine learning, zero-trust security, encryption, quantum computing, critical infrastructure, cyber threats, threat detection