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ENHANCING SECURITY AND COMPLIANCE IN ORACLE CLOUD ERP: A SOX PERSPECTIVE

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ABSTRACT

This study examines the critical role of enhancing security and ensuring compliance within Oracle Cloud ERP systems through the lens of the Sarbanes-Oxley (SOX) framework. As organizations increasingly migrate to cloud-based platforms, safeguarding sensitive financial and operational data becomes paramount. The research explores how Oracle Cloud ERP integrates advanced security features, including multi-factor authentication, encryption, and access control mechanisms, to mitigate risks associated with data breaches and unauthorized access. Emphasis is placed on aligning these technical safeguards with SOX requirements, which mandate rigorous internal controls and continuous monitoring of financial reporting processes. The paper presents a comprehensive analysis of risk management strategies, focusing on how continuous auditing, automated compliance checks, and real-time anomaly detection contribute to a resilient IT governance framework. Furthermore, the discussion highlights the challenges and opportunities associated with balancing operational efficiency and stringent regulatory adherence. By evaluating case studies and industry best practices, the study identifies key success factors that enable organizations to not only meet SOX standards but also enhance overall system integrity and stakeholder confidence. In conclusion, the findings suggest that a proactive approach to security and compliance in Oracle Cloud ERP can serve as a competitive advantage, fostering trust among investors and regulators alike while promoting sustainable business growth in an increasingly digital economy.

KEYWORDS: *Oracle Cloud ERP; SOX Compliance; Data Security; Risk Management; Internal Controls; IT Governance; Cloud Computing*