

Risk Management Project – Risk Analysis Report

Course: Implementing a Risk Management Framework (Coursera)

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Case Organization: Business Supplies, Inc. (BSI)

Introduction

This report performs a simple risk analysis for Business Supplies, Inc. (BSI) by evaluating the level of risk posed by the most significant threats to the organization's most critical information assets. The analysis uses likelihood and impact scoring to calculate overall risk for each threat/asset pair.

Top Five Information Assets

1. Accounting Database
2. Accounting System (TAS)
3. Active Directory Service
4. AD SQL Database
5. NAS Backup Systems

Top Five Threats

1. Malware / Ransomware Attacks
2. Phishing and Social Engineering
3. Unpatched Software Vulnerabilities
4. Unauthorized Insider Access
5. Data Breach / Data Exfiltration

Table 5 – Lightweight Risk Assessment Matrix

Asset / Threat	Malware / Ransomware	Phishing / Social Eng.	Unpatched Software	Insider Access	Data Breach
Accounting Database	L=4, I=5, R=20	L=4, I=4, R=16	L=3, I=5, R=15	L=3, I=4, R=12	L=4, I=5, R=20
Accounting System (TAS)	L=4, I=5, R=20	L=4, I=4, R=16	L=3, I=5, R=15	L=3, I=4, R=12	L=4, I=5, R=20
Active Directory Service	L=4, I=5, R=20	L=5, I=4, R=20	L=4, I=5, R=20	L=4, I=5, R=20	L=4, I=5, R=20
AD SQL Database	L=4, I=5, R=20	L=4, I=4, R=16	L=4, I=5, R=20	L=4, I=5, R=20	L=4, I=5, R=20
NAS Backup Systems	L=3, I=4, R=12	L=3, I=3, R=9	L=3, I=4, R=12	L=3, I=4, R=12	L=4, I=4, R=16

Risk Rating Scale

21–25: Critical

13–20: High

7–12: Moderate

0–6: Low