

## **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