

Task 6 - Risk Assessment Practice					
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Scenario:					
A ransomware attack could encrypt company data, causing financial losses due to downtime and recovery costs.					
The estimated Single Loss Expectancy (SLE) is \$10,000, and the Annual Rate of Occurrence (ARO) is 0.2 (once every 5 years).					
Metric	Value				
SLE	10000				
ARO	0.2				
ALE	2000				
ALE = SLE × ARO = 10,000 × 0.2 = 2,000					
Likelihood \ Impact	Very Low	Low	Medium	High	Very High
Very Likely	Medium	High	High	Very High	Very High
Likely	Low	Medium	High	High	Very High
Possible	Low	Medium	Medium	High	High
Unlikely	Very Low	Low	Medium	Medium	High
Very Unlikely	Very Low	Very Low	Low	Medium	Medium
Observation:					
The ransomware scenario has a Medium likelihood and High impact, resulting in a High Risk level with an ALE of \$2,000.					
Conclusion:					
The organization should implement stronger backup policies and user awareness training to reduce ransomware risk.					