Lab 1.2: Risk Worksheet
IN618 Security

Instructions

Work through the risk assessment exercises below and write your solutions **neatly**. Be sure to show your work and/or justify your answers.

Exercise one

Suppose that a qualitative analysis rates the following risks as below.

Security Event	Event Probability	Resulting Harm
Web Site Defacement	Medium	Low
XSS Attack	High	Medium
Buffer Overflow on Web Server	L	H

Rate these risks from highest to lowest priority.

Exercise two

A web site generates $25,000 per hour in revenue. The probability of a web site outage in any given year is 10% and such an outage would last 2 hours and cost $1200 to correct. What is the Anual Loss Expectancy (ALE)?

Exercise Three

A small consulting firm works on one project at a time and stores project data on a single server. The value of this data is $100,000 and a server failure would jeapordise up to 90% of it. The probabilty of such a failure in any year is 0.20. What is the ALE?

Exercise Four

You have a $3 million data centre located in an area at rish of flooding. A major flood that would destroy the data centre occurs once every hundred years. Compute the ALE.

Based on this ALE, would you recommend that the company spend $35,000 per year to control this threat?