

Lab 8-9: Management Decision Problem

Scenario: A survey of your firm's IT infrastructure has identified several security vulnerabilities. Review the data about these vulnerabilities, which can be found in a table below.

SECURITY VULNERABILITIES BY TYPE OF COMPUTING PLATFORM					
Platform	Number of computers	High Risk	Medium Risk	Low Risk	Total Vulnerabilities
Windows Server (corporate applications)	1	11	37	19	
Windows 10 Enterprise (high-level administrators)	3	56	242	87	
Linux (e-mail and printing services)	1	3	154	98	
Oracle Solaris (UNIX) (E-commerce and Web servers)	2	12	299	78	
Windows 10 Enterprise user desktops and laptops with office productivity tools that can also be linked to the corporate network running corporate applications and intranet	195	14	16	1237	

Use the table to answer the following questions:

1. Calculate the total number of vulnerabilities for each platform. What is the potential impact of the security problems for each computing platform on the organization?
2. If you only have one information systems specialist in charge of security, which platforms should you address first in trying to eliminate these vulnerabilities?
3. Identify the types of control problems these vulnerabilities illustrate and explain the measures that should be taken to solve them.
4. What does your firm risk by ignoring the security vulnerabilities identified?