

Activity Overview

In this activity, you will conduct a vulnerability assessment for a small business. A vulnerability assessment is the internal review process of an organization's security systems. You will evaluate the risks of a vulnerable information system and outline a remediation plan.

As a cybersecurity analyst, you might help with vulnerability assessments to prevent attacks in an organization. Later, you can add this document to your cybersecurity portfolio, which you can share with prospective employers or recruiters.

Be sure to complete this activity and answer the questions that follow before moving on. The next course item will provide you with a completed exemplar to compare to your own work.

Scenario

Review the following scenario. Then complete the step-by-step instructions.

You are a newly hired cybersecurity analyst for an e-commerce company. The company stores information on a remote database server, since many of the employees work remotely from locations all around the world. Employees of the company regularly query, or request, data from the server to find potential customers. The database has been open to the public since the company's launch three years ago. As a cybersecurity professional, you recognize that keeping the database server open to the public is a serious vulnerability.

You are tasked with completing a vulnerability assessment of the situation to communicate the potential risks to decision makers at the company. You must create a written report that explains how the vulnerable server is a risk to business operations and how it can be secured.