

Vulnerability Assessment Report

15st April 2025

System Description

The server hardware consists of a powerful CPU processor and 128GB of memory. It runs on the latest version of Linux operating system and hosts a MySQL database management system. It is configured with a stable network connection using IPv4 addresses and interacts with other servers on the network. Security measures include SSL/TLS encrypted connections.

Scope

The scope of this vulnerability assessment relates to the current access controls of the system. The assessment will cover a period of three months, from January 2025 to August 2025. [NIST SP 800-30 Rev. 1](#) is used to guide the risk analysis of the information system.

Purpose

Consider the following questions to help you write:

- *How is the database server valuable to the business?*
- *Why is it important for the business to secure the data on the server?*
- *How might the server impact the business if it were disabled?*

Risk Assessment

Threat source	Threat event	Likelihood	Severity	Risk
<i>E.g. Competitor</i>	<i>Obtain sensitive information via exfiltration</i>	<i>3</i>	<i>3</i>	<i>9</i>
<i>Hacker</i>	<i>How did they gain access</i>	<i>1</i>	<i>6</i>	<i>2</i>
<i>Server</i>	<i>Reliable servers (Access)</i>	<i>1</i>	<i>10</i>	<i>1</i>

Approach

This section documents the approach used to conduct the vulnerability assessment report. It is important to be clear and concise when writing your approach. A transparent summary of your approach helps stakeholders understand that the assessment is credible and that the results can be used to make informed decisions.

Consider the following questions to help you write an approach section:

- *What was your rationale for selecting the risks that you evaluated?*
- *How were you deriving the likelihood and severity scores of each risk?*
- *What were the limitations of the assessment?*

Remediation Strategy

This section provides specific and actionable recommendations to remediate or mitigate the risks that were assessed. Any recommendations that you make should be realistic and achievable. Overall, the remediation section of a vulnerability assessment report helps to ensure that risks are addressed in a timely and effective manner.

Consider the following questions to help you write a remediation strategy:

- *Which technical, operational, or managerial controls are currently implemented to secure the system?*
- *Are there security controls that can reduce the risks you evaluated? What are those controls and how would they remediate the risks?*
- *How will the results of the assessment improve the overall security of the system?*