

Home Network Asset Inventory & Sensitivity Classification Report

1. Introduction

Asset management is a foundational component of any effective security program. Organizations must first identify and classify assets before they can protect them appropriately. This report documents a security assessment of a small home office network by identifying connected devices, evaluating their characteristics, and assigning sensitivity levels based on risk impact.

2. Asset Identification

The following assets were identified as connected to the home network:

- Network Router
- Desktop Computer
- Guest Smartphone
- External Hard Drive
- Smart Webcam
- Printer

Each asset represents a potential entry point to sensitive information and must be evaluated accordingly.

3. Asset Characteristics

Each device was analyzed using the following attributes:

- **Network Access:** How frequently the device connects to the network
- **Owner:** Who is responsible for the device
- **Location:** Whether the device is on-premises or off-premises
- **Notes:** Type of data stored, connectivity method, and security concerns

Example:

- The desktop computer stores private information such as personal files and business documents.
 - The network router manages all inbound and outbound traffic and supports multiple wireless frequencies.
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4. Risk Considerations

Assets were evaluated for potential impact to the CIA triad:

- **Confidentiality:** Could sensitive data be exposed?
- **Integrity:** Could data be altered or manipulated?
- **Availability:** Could business operations be disrupted?

Devices with higher CIA impact were classified with higher sensitivity.

5. Sensitivity Classification

Assets were assigned one of the following classifications:

- **Public:** Accessible to anyone
- **Internal-only:** Accessible only within the network

- **Confidential:** Limited access to specific users
- **Restricted:** High-impact assets requiring strict protection

For example:

- The network router was classified as **Confidential** due to its central role in controlling network access.
 - The desktop computer was classified as **Restricted** due to the sensitive data it stores.
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6. Conclusion

This assessment highlights the importance of maintaining an accurate asset inventory and applying risk based classification. Proper asset management enables organizations to prioritize security controls, reduce exposure, and improve overall security posture.

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