Case Study:
Asset Classification and Inventory - Classify the Assets to a Home Network

Scenario:

One of the most valuable assets in the world today is information. Most information is accessed over a network. There tend to be a variety of devices connected to a network and each is a potential entry point to other assets.

An inventory of network devices can be a useful asset management tool. An inventory can highlight sensitive assets that require extra protection.

You're operating a small business from your home and must create an inventory of your network devices. This will help you determine which ones contain sensitive information that require extra protection.

To do this, you will start by identifying devices that have access to your home network. This might include devices such as:

- Desktop or laptop computers
- Smartphones
- Smart home devices
- Game consoles
- Storage devices or servers
- Video streaming devices

Then, you'll list important characteristics of each device such as its owner, location, and type. Finally, you will assign each device a level of sensitivity based on how important it is to protect.

Categories	Access Designation
Restricted	Need-to-know
Confidential	Limited to specific users
Internal-only	Users on-premises
Public	Anyone

Asset	Network Access	Owner	Location	Notes	Sensitivity
Network Router	Continuous	Internet Service Provider (ISP)	On-Premises	Has a 2.4 GHz and 5 GHz connection. All devices on the home network connect to the 5 GHz frequency.	Confidential
Desktop	Occasional	Homeowner	On-Premises	Contains private information, such as photos, PCI, passwords.	Restricted
Laptop	Continuous	Homeowner	On-Premises	Contains private information, such as photos, PCI, passwords.	Restricted
Tablet	Continuous	Homeowner	On-Premises	Contains private information,	Restricted

				such as photos, PCI, passwords.	
Smartphone	Continuous	Homeowner	On and Off-Premises	Contains private information, such as photos, PCI, passwords.	Restricted
External Hard Drive	Occasional	Homeowner	On-Premises	Contains music and movies.	Confidential
Streaming Media Player	Continuous	Homeowner	On-Premises	Payment card information is stored for movie rentals.	Internal-only
Portable Game Console	Occasional	Friend	On and Off-Premises	Has a camera and microphone.	Internal-only