



Lab - Upgrade Hardware

Introduction

Use the Internet, a newspaper, or a local store to gather information about hardware components. Your customer's computer currently has one module of 2 GB of RAM, a 500 GB hard disk drive, and a PCIe video adapter card with 256 MB of RAM. Your customer wants to be able to play advanced video games.

Step 1: Research memory options.

Shop around, and in the table below list the brand, model number, features, and cost for two different 4 GB modules of DDR3-1600 (PC3-12800).

Brand and Model Number	Features	Cost

Based on your research, which RAM would you select? Be prepared to discuss your decisions regarding the RAM you select.

Step 2: Research hard disk drive options.

Shop around, and in the table below list the brand, model number, features, and cost for two different 2 TB 7200 rpm SATA 3 hard disk drives.

Brand and Model Number	Features	Cost

Based on your research, which hard disk drive would you select? Be prepared to discuss your decisions regarding the hard disk drive you select.

Step 3: Research video adapter card options.

Shop around, and in the table below list the brand, model number, features, and cost for two different PCIe video adapter cards with 1 GB RAM.

Brand and Model Number	Features	Cost

Based on your research, which video adapter card would you select? Be prepared to discuss your decisions regarding the video adapter card you select.