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Cairn University School of Business

CIS122 Essentials of Networking

Project #:2

Project objective: Set up the Cisco Packet Tracer software. Connect a 2 PCs using 2 switches and lightning connectors.

Equipment used:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Equipment Description | Vendor | Vendor Item # | Retail price | Actual price (if known) |
| PC-PT (PC1) | Newegg | 9SIADT2FF02722 | 44.99 |  |
| PC-PT (PC0) | Newegg | 9SIADT2FF02722 | 44.99 |  |
| Switch-PT (Switch0) | Newegg | N82E16833222029 | 19.99 |  |
| Switch-PT (Switch1) | Newegg | N82E16833222029 | 19.99 |  |
| Fiber optic cable | Newegg | 9SIAP9WCZ44250 | 10.88 |  |
| CAT cable | Newegg | 9SIAR56E7S5409 | 9.99 |  |
| SFP module | Newegg | 9SIADU088C8732 | 39.95 |  |

Detailed list of software and operating platforms used, including version numbers and licensing requirements:

Ran on software - Cisco Packet Tracer 8.0

Network diagram:

PC1 -------- Switch0 -------------- Switch1 -------- PC0

Configurations:

1. First, set up PC1 and connect it to Switch0 using a fiber optic cable
2. Then, set up PC2 on the opposite end and connect it to Switch1 using a fiber optic cable
3. Connect Switch0 and Switch1 together using the lightning connector
4. Set up the IPv4 Address and Subnet Mask for the PC’s individually by accessing the configuration in the FastEthernet0
5. Check for green arrows to ensure that the connection is running smoothly
6. Using the command prompt, ping the IP address of each PC to ensure that they are connected.