Here's a concise lab report for "FTP Server" configuration in Cisco Packet Tracer, structured according to your specified format:

Lab Report: FTP Server Configuration in Cisco Packet Tracer

Title

FTP Server Configuration in Cisco Packet Tracer

Objective

To configure and verify an FTP (File Transfer Protocol) server in Cisco Packet Tracer for file sharing between clients.

Equipment

- Cisco Packet Tracer Software
- 1 FTP Server
- 2 PCs (PC0, PC1)
- 1 Switch
- Copper Straight-Through Ethernet Cables

Theory

FTP is a standard network protocol used to transfer files from one host to another over a TCP-based network. An FTP server allows users to upload and download files using FTP clients.

Procedure

1. **Open Cisco Packet Tracer:** Launch the Cisco Packet Tracer application.

2. **Create the Topology:**

   - Drag and drop 1 FTP server and 2 PCs onto the workspace.
   - Add 1 switch to the workspace.

3. **Connect Devices:**

   - Use Straight-through Ethernet cables to connect:
     - PC0 to Switch.
     - PC1 to Switch.
     - FTP Server to Switch.

4. **Assign IP Addresses:**

- **PC0:**
  - IP: 192.168.1.2, Subnet Mask: 255.255.255.0, Gateway: 192.168.1.1.
- **PC1:**
  - IP: 192.168.1.3, Subnet Mask: 255.255.255.0, Gateway: 192.168.1.1.
- **FTP Server:**
  - IP: 192.168.1.10, Subnet Mask: 255.255.255.0.

5. **Configure FTP Server:**

   - Select the FTP server, go to the **Config** tab, and enable the FTP service.
   - Create a user account with a username and password (e.g., User: ftpuser, Password: ftp123).

6. **Upload Files to the FTP Server:**

   - Use the FTP server's configuration options to upload files that will be shared with clients.

7. **Connect to the FTP Server from PC1:**

   - Open the Command Prompt on PC1.
   - Type `ftp 192.168.1.10` to connect to the FTP server.
   - Enter the username and password when prompted.

8. **Download a File:**

   - Once connected, use the `get filename` command to download a file from the FTP server to PC1.

Results

Successful connection and file transfer between PC1 and the FTP server indicate that the FTP server is configured correctly and operational.

Conclusion

This lab demonstrated the configuration and functionality of an FTP server in Cisco Packet Tracer, allowing for successful file transfers between clients.

Feel free to modify any specific details or numbers as necessary for your lab report!