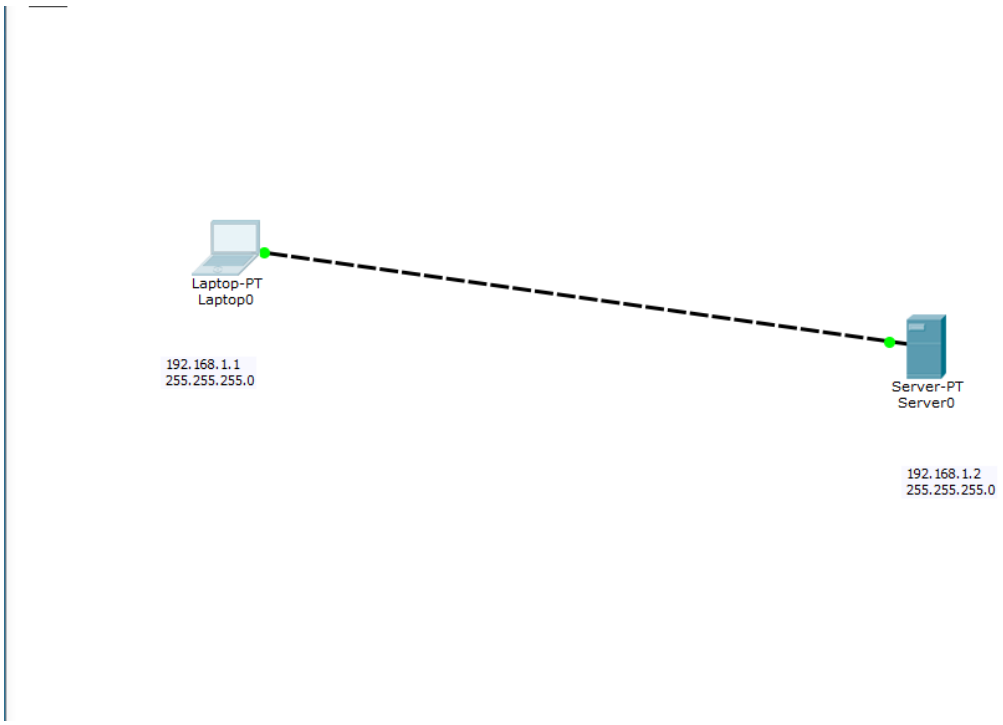
Name:Attay Rasool
Roll no:p180046
Section A
Lab 06
Task 2

How to configure an FTP server in Packet Tracer

1. Build the network topology.

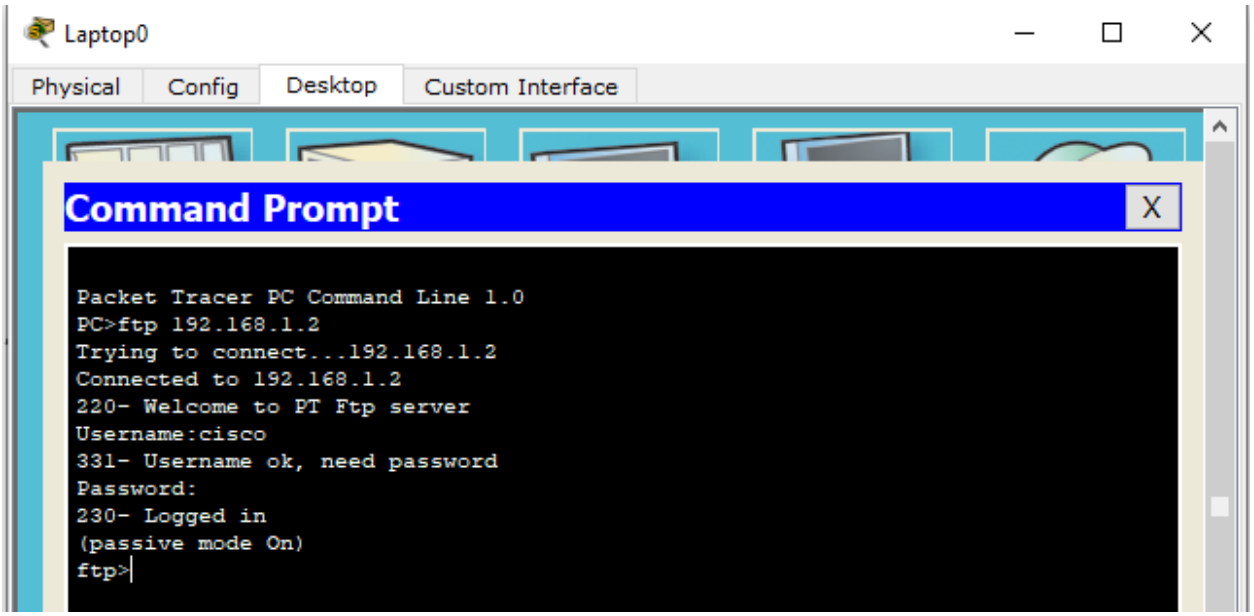


2. Configure static IP addresses on the Laptop and the server

Laptop: IP address: 192.168.1.1 Subnet Mask: 255.255.255.0
Server: IP address: 192.168.1.2 Subnet Mask: 255.255.255.0

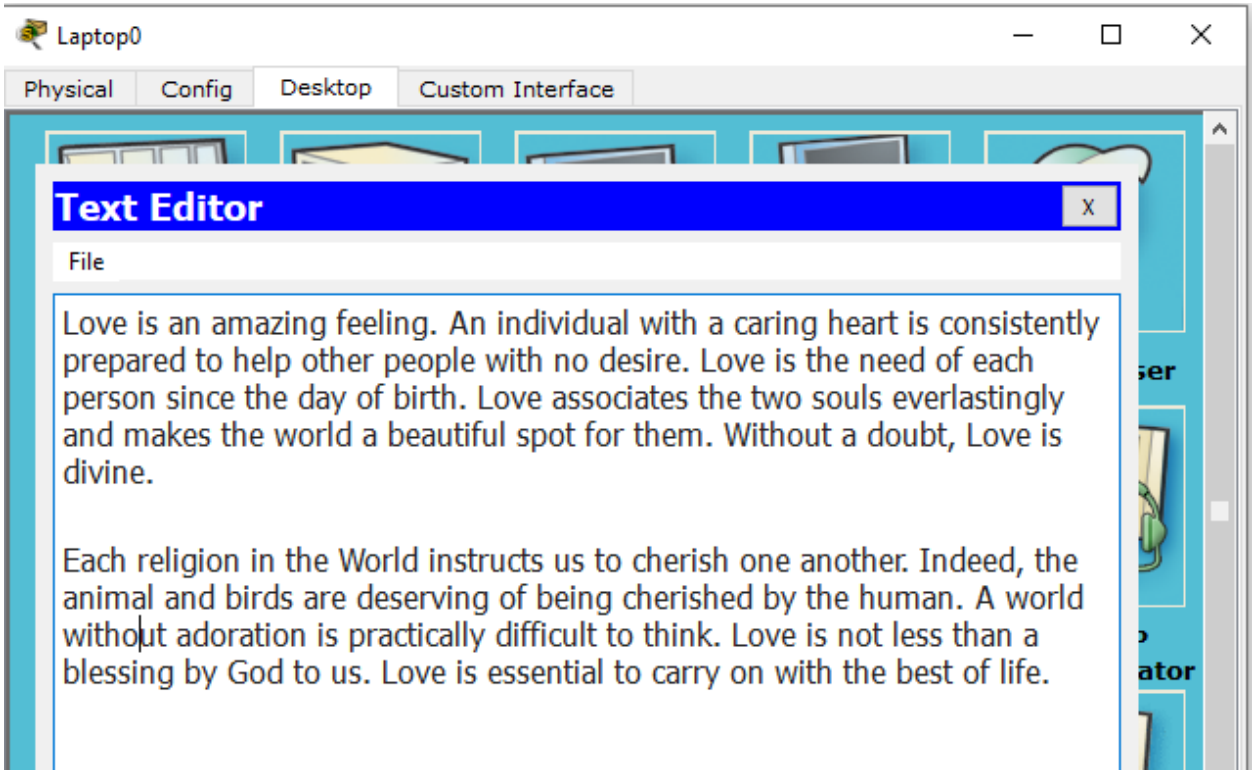
3. Now try using an FTP client built in the Laptop to send files to an FTP server configured in the Server.

From the Laptop's command prompt, FTP the server using the server IP address by typing:
ftp 192.168.1.2
Provide the username(cisco) and password(cisco) [which are the defaults] for ftp login.



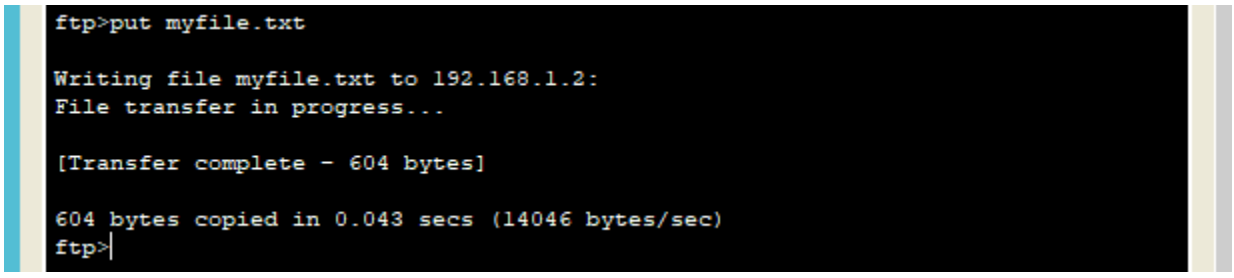
You are now in the FTP prompt .
PC0 has an FTP client which can be used to read, write, delete and rename files present in the FTP server.
The FTP server can be used to read and write configuration files as well as IOS images.

4. Create a file in the Laptop then upload it to the server using FTP.



Now upload the file from the Laptop to the server using FTP. (An FTP connection has to be started first. But this is what we've done in step 3)

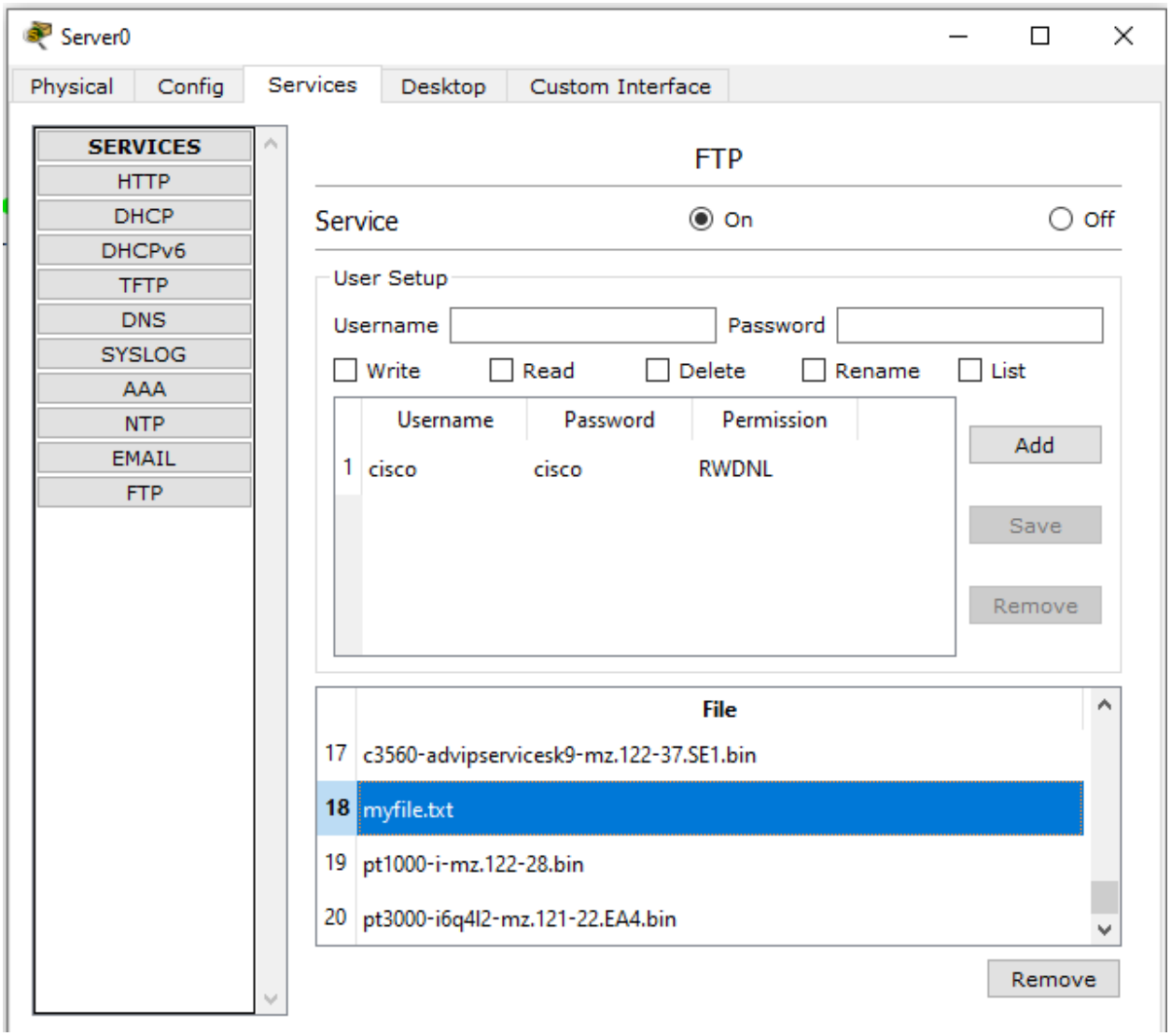
put myFile.txt



5. Go to the Server FTP directory to verify if the file sent has been received

Once file upload is successful, go to the Server FTP directory to verify if the file sent has been received.

To do this, go to Server-> Services->FTP. Here look for myFile.txt sent from the laptop.



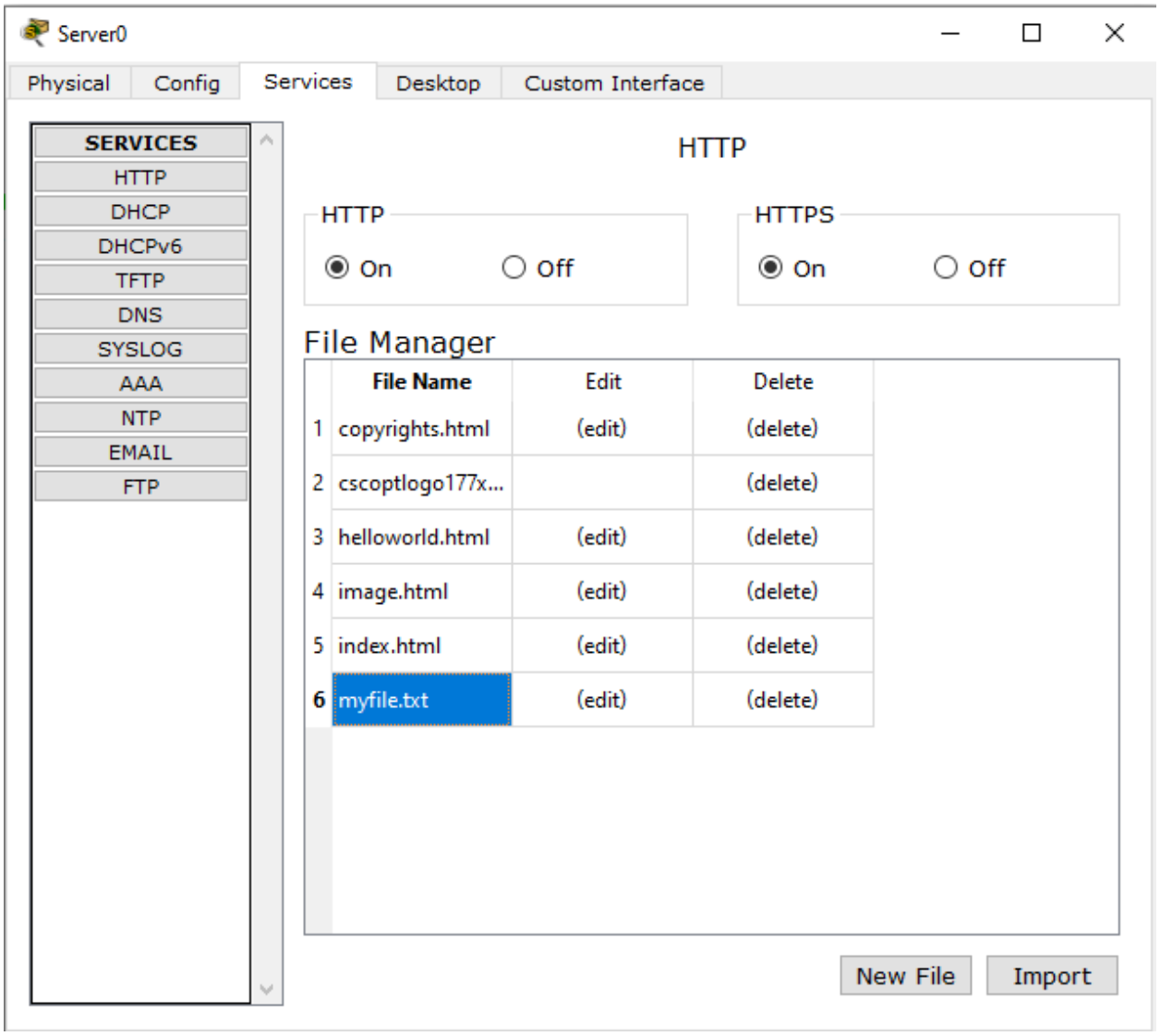
```
ftp>?
         ?
         cd
         delete
         dir
         get
         help
         passive
         put
         pwd
         quit
         rename
ftp>
```

6. Open HTTP directory and upload file there.

For example, we can open an HTTP directory in the server by typing: cd /http. This will change the current directory from FTP directory to HTTP directory

```
ftp>cd /http
ftp>
Working directory changed to /http successfully
ftp>put myfile.txt

Writing file myfile.txt to 192.168.1.2:
File transfer in progress...

[Transfer complete - 604 bytes]

604 bytes copied in 0.022 secs (27454 bytes/sec)
ftp>
```

You can now check up in the HTTP directory in the server and verify that the file uploaded from the Laptop(myFile.txt) is well received:



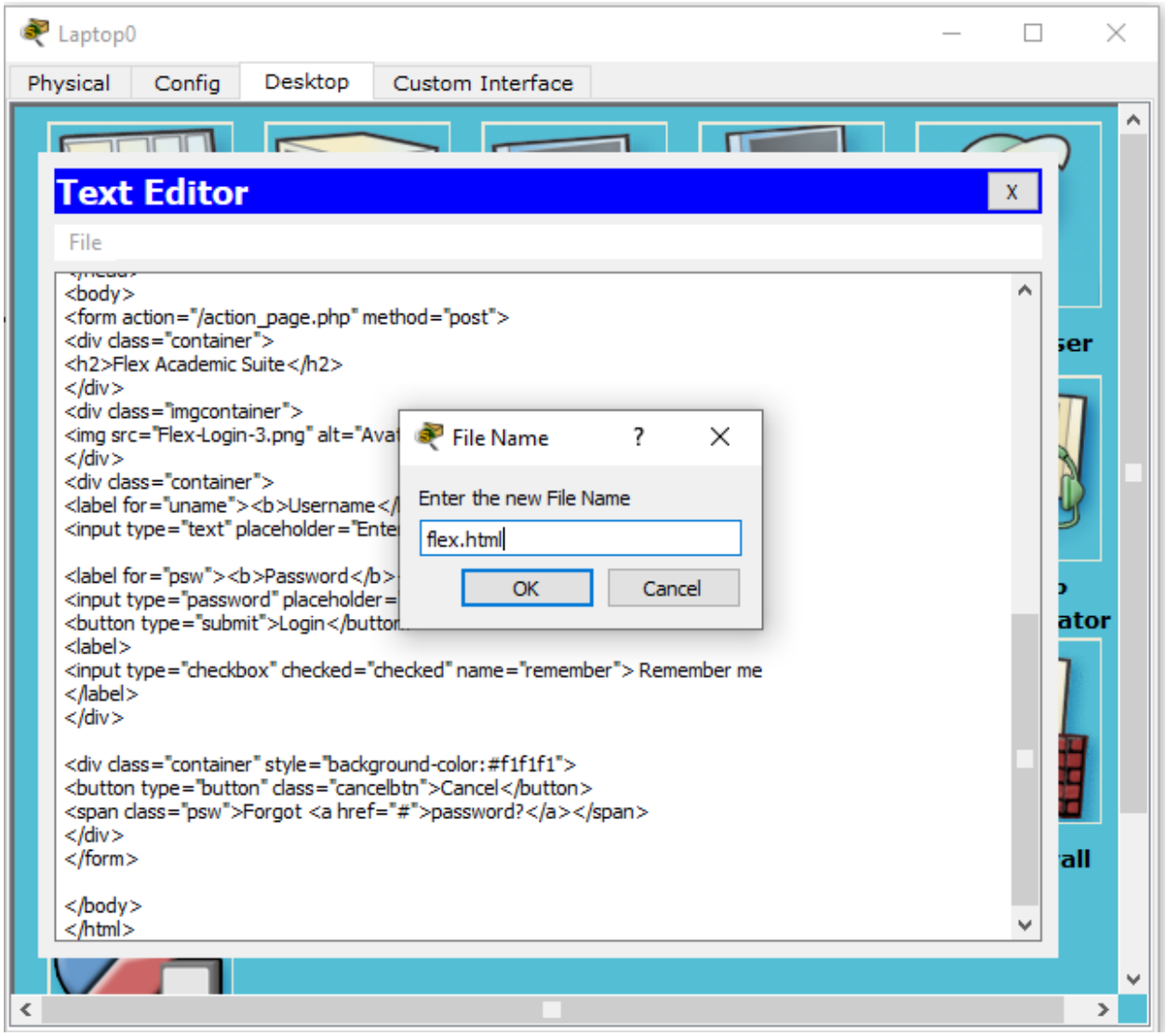
Create and Upload html file to HTTP server directory Using FTP

We'll create an html file in our Laptop, upload it to HTTP server directory using FTP, then try to access the file from the Laptop's browser.
On the Laptop, open the text editor, then type some markup(html) and save the file with the extension .html. See all this below:

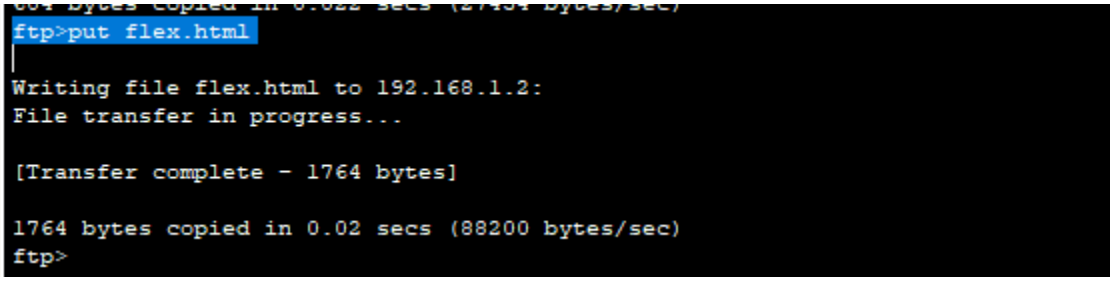
```
<!DOCTYPE html>
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<style>
body {font-family: Arial, Helvetica, sans-serif;}
form {border: 3px solid #f1f1f1;}

input[type=text], input[type=password] {
width: 100%;
padding: 12px 20px;
margin: 8px 0;
display: inline-block;
border: 1px solid #ccc;
box-sizing: border-box;
}

button {
background-color: #0471F3;
color: white;
padding: 14px 20px;
margin: 8px 0;
border: none;
cursor: pointer;
width: 100%;
}
button:hover {
opacity: 0.8;
}
.cancelbtn {
width: auto;
padding: 10px 18px;
background-color: #f44336;
}
.imgcontainer {
text-align: center;
margin: 24px 0 12px 0;
```

```
}
img.avatar {
width: 30%;
height: 30%;

}
.container {
padding: 16px;
}

span.psw {
float: right;
padding-top: 16px;
}

/* Change styles for span and cancel button on extra small screens */
@media screen and (max-width: 300px) {
span.psw {
display: block;
float: none;
}
.cancelbtn {
width: 100%;
}
}
</style>
</head>
<body>
<form action="/action_page.php" method="post">
<div class="container">
<h2>Flex Academic Suite</h2>
</div>
<div class="imgcontainer">
<img src="Flex-Login-3.png" alt="Avatar" class="avatar">
</div>
<div class="container">
<label for="uname"><b>Username</b></label>
<input type="text" placeholder="Enter Username" name="uname" required>

<label for="psw"><b>Password</b></label>
<input type="password" placeholder="Enter Password" name="psw" required>
<button type="submit">Login</button>
<label>
<input type="checkbox" checked="checked" name="remember"> Remember me
```

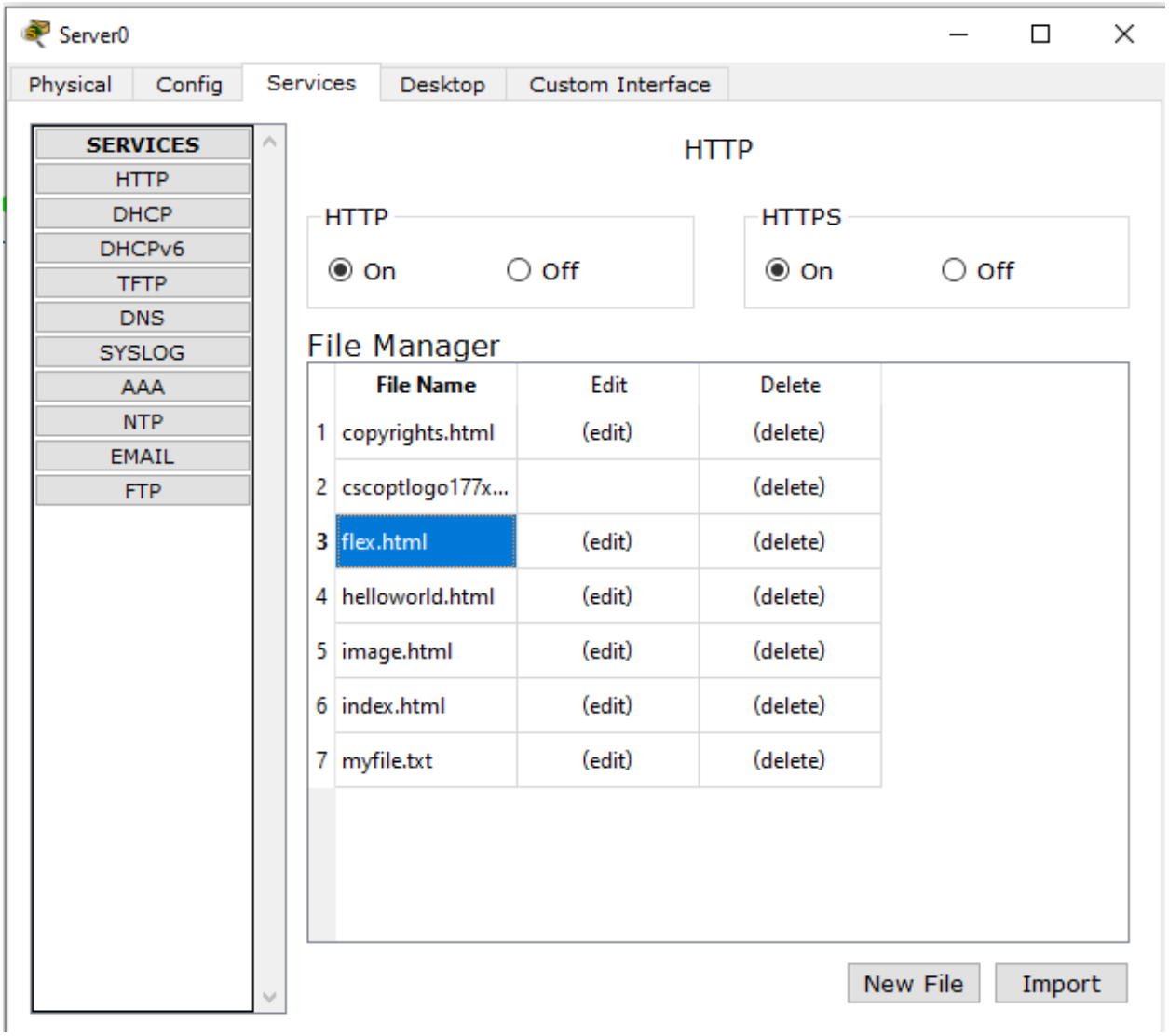
```
</label>
</div>

<div class="container" style="background-color:#f1f1f1">
<button type="button" class="cancelbtn">Cancel</button>
<span class="psw">Forgot <a href="#">password?</a></span>
</div>
</form>

</body>
</html>
```



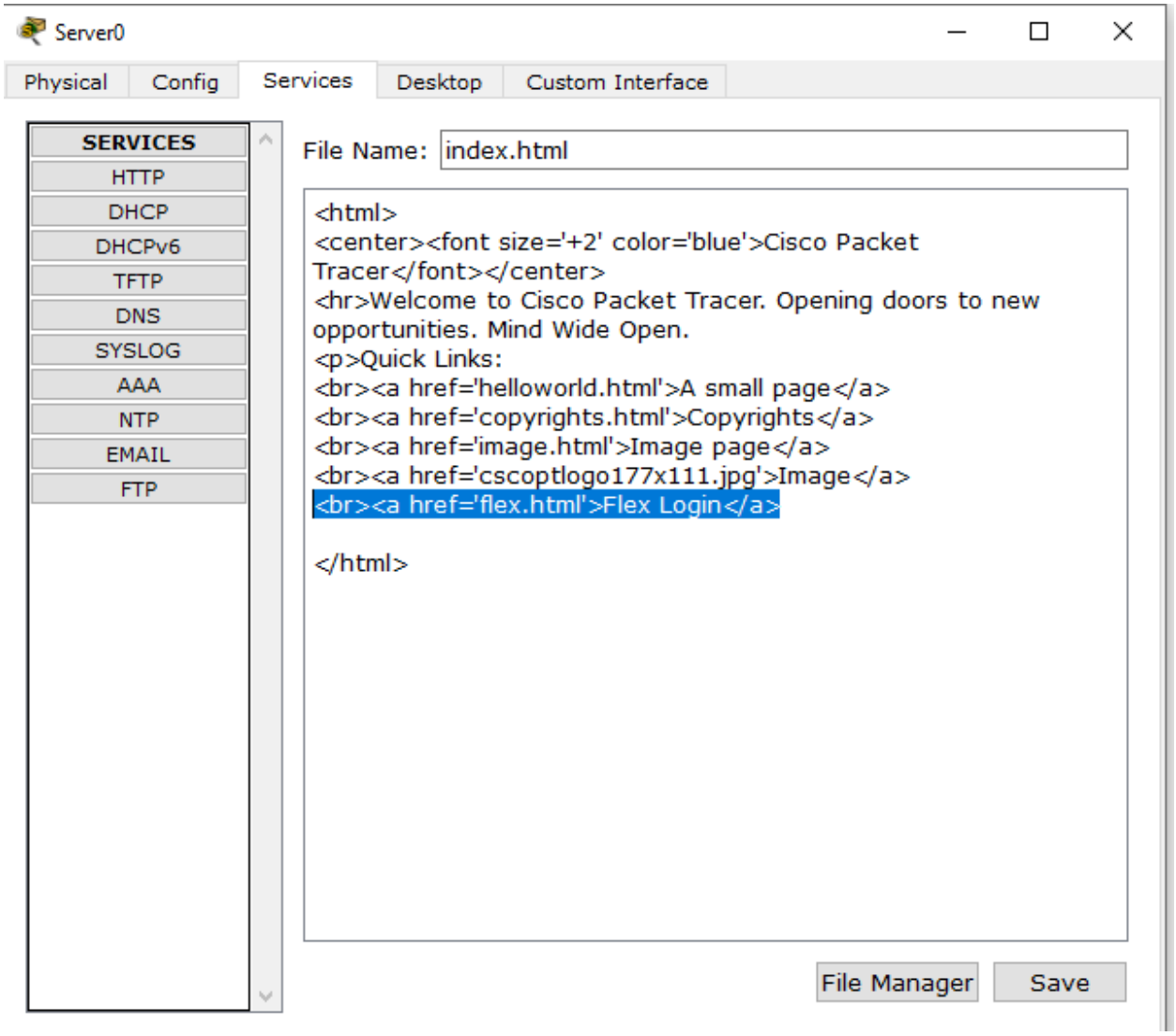
Now upload the file(flex.html) to the HTTP server using FTP. This is easy. We've already done it previously!
If you're already in the HTTP directory, you just need to type: put flex.html. If no, first ftp the server(ftp 192.168.1.2), provide the login username(cisco) and password(cisco); change the current
directory to HTTP(cd /http) , and finally upload the html file onto the HTTP directory(put flex.html)



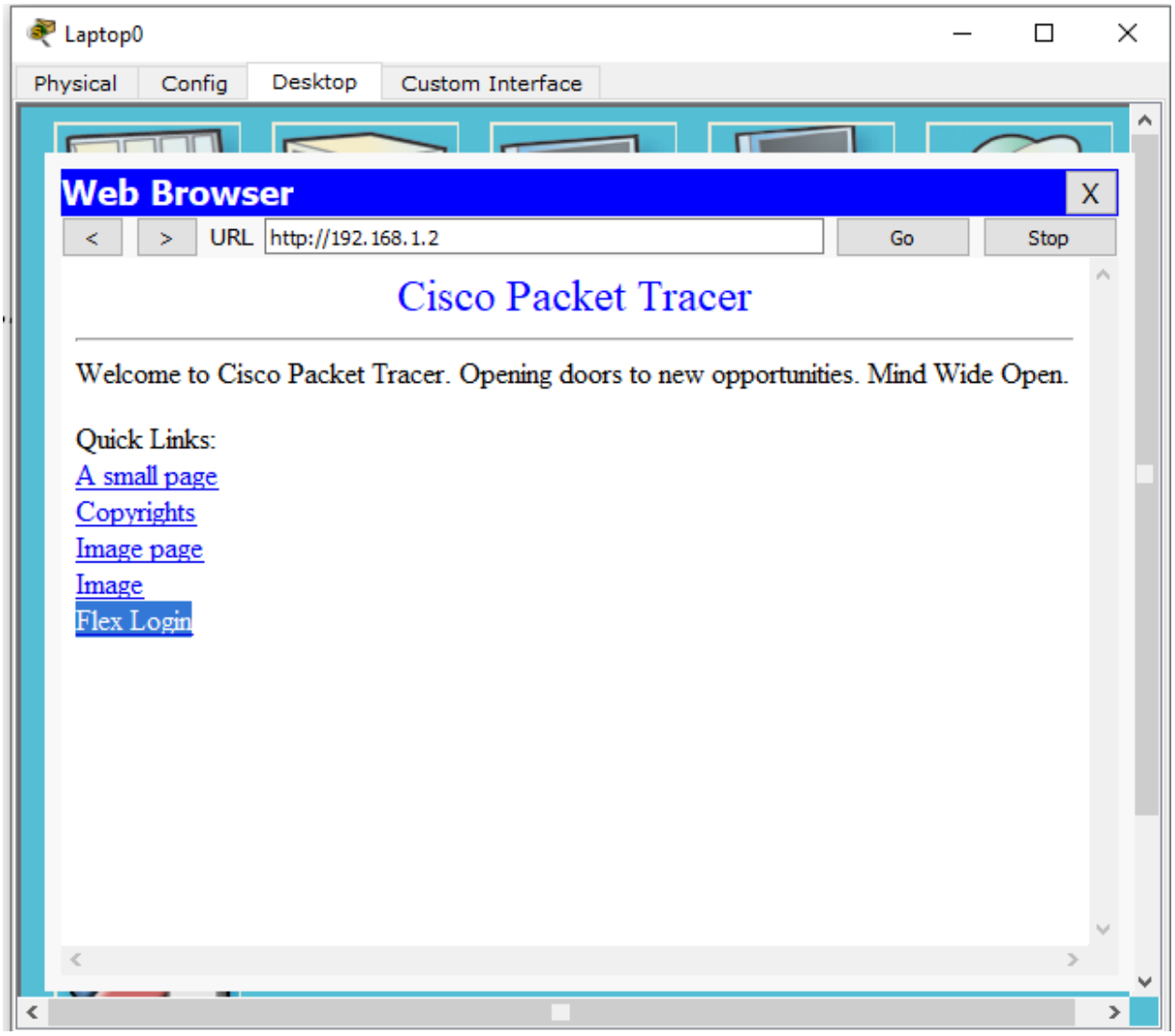
Check whether the html file uploaded has been received in the HTTP directory:
Go to Server->Services-> HTTP. Then look up for the file in the File Manager.



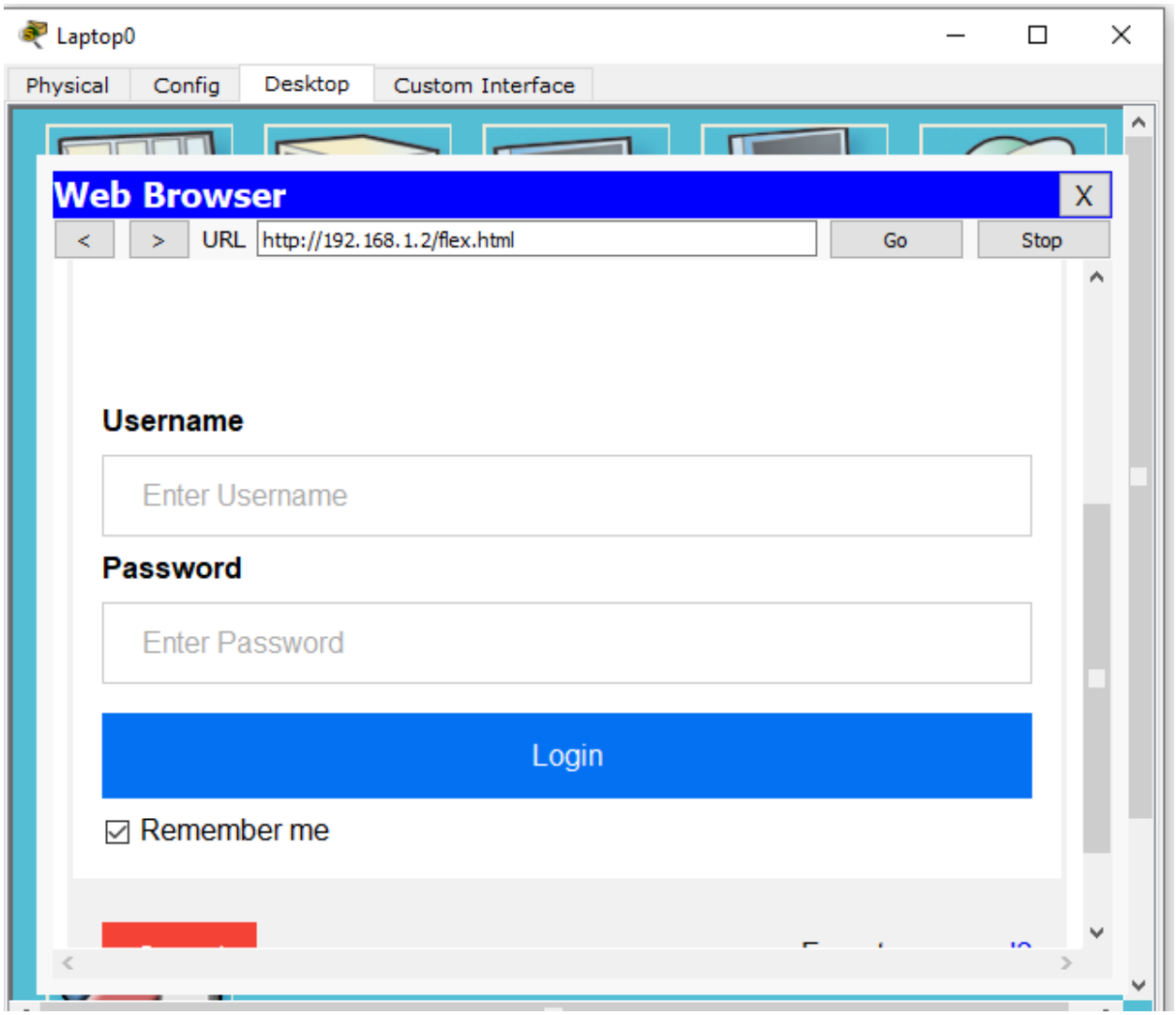
Now edit index.html file in the HTTP directory so as to include a link to flex that we've just uploaded.
This will make flex accessible from the Laptop's browser. To do this, locate index.html then click edit.
Proceed to edit it as shown below. Then save and accept overwrite.



Finally, try to access the newly uploaded file from the Laptop's browser.
So go to the Laptop's browser and access the server using the server's IP address. By doing this, the
browser is making an http request to the server. The server will respond to the Laptop with the index.html file containing a link to flex which we've uploaded from the Laptop using FTP.



Click flex link to view the contents of the file in the browser.


Laptop0
Physical
Config
Desktop
Custom Interface
Web Browser
X
<
>
URL
http://192.168.1.2/flex.html
Go
Stop
Username
Enter Username
Password
Enter Password
Login
Remember me