

CS331: Data Communications and Computer Networks

CS331 Project 2: Web Server Configuration

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Step 1: Device IP Configuration

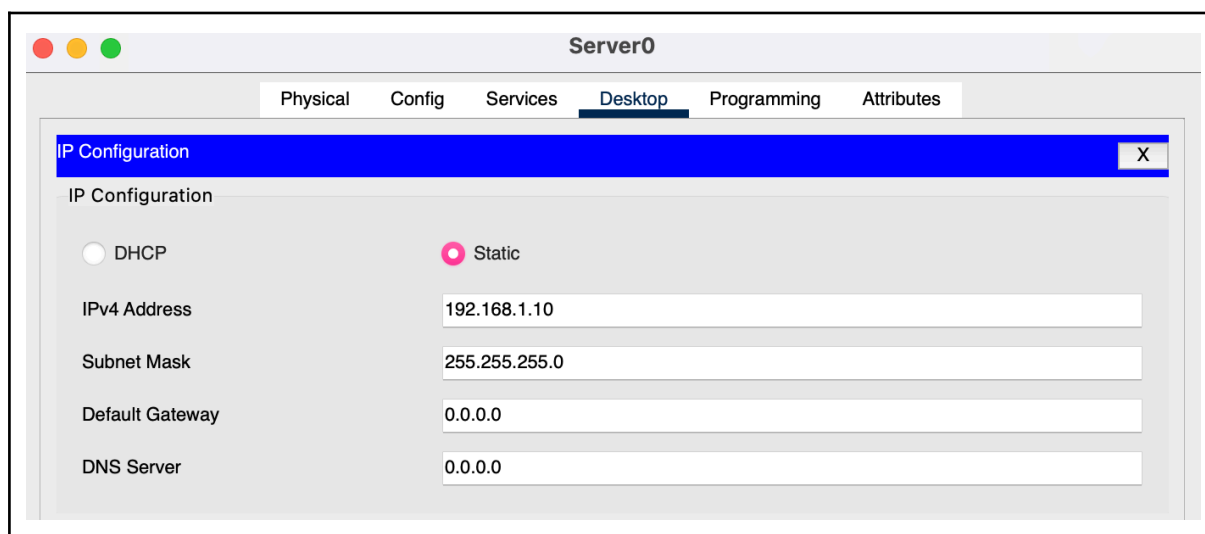
The network has one web server (Server0) and one PC (PC0) connected through a Cisco 2960 switch using copper straight-through cables. Both devices are on the same network, so no router or default gateway is needed. As instructed, no DNS server was configured.

Addressing Table

Device	Interface	IP Address	Subnet Mask	Default Gateway
Server0	FastEthernet0	192.168.1.10	255.255.255.0	N/A
PC0	FastEthernet0	192.168.1.20	255.255.255.0	N/A

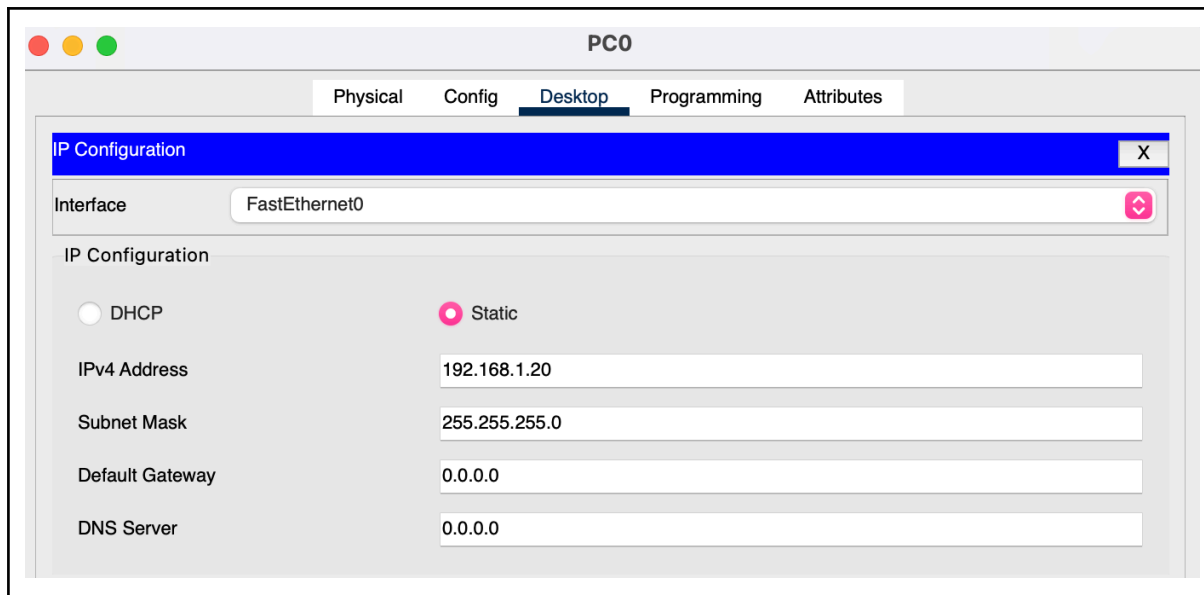
A. Web Server IP Configuration

On Server0, we opened the Desktop tab, selected IP Configuration, chose Static, and entered the IP address 192.168.1.10 and the subnet mask 255.255.255.0.



B. PC IP Configuration

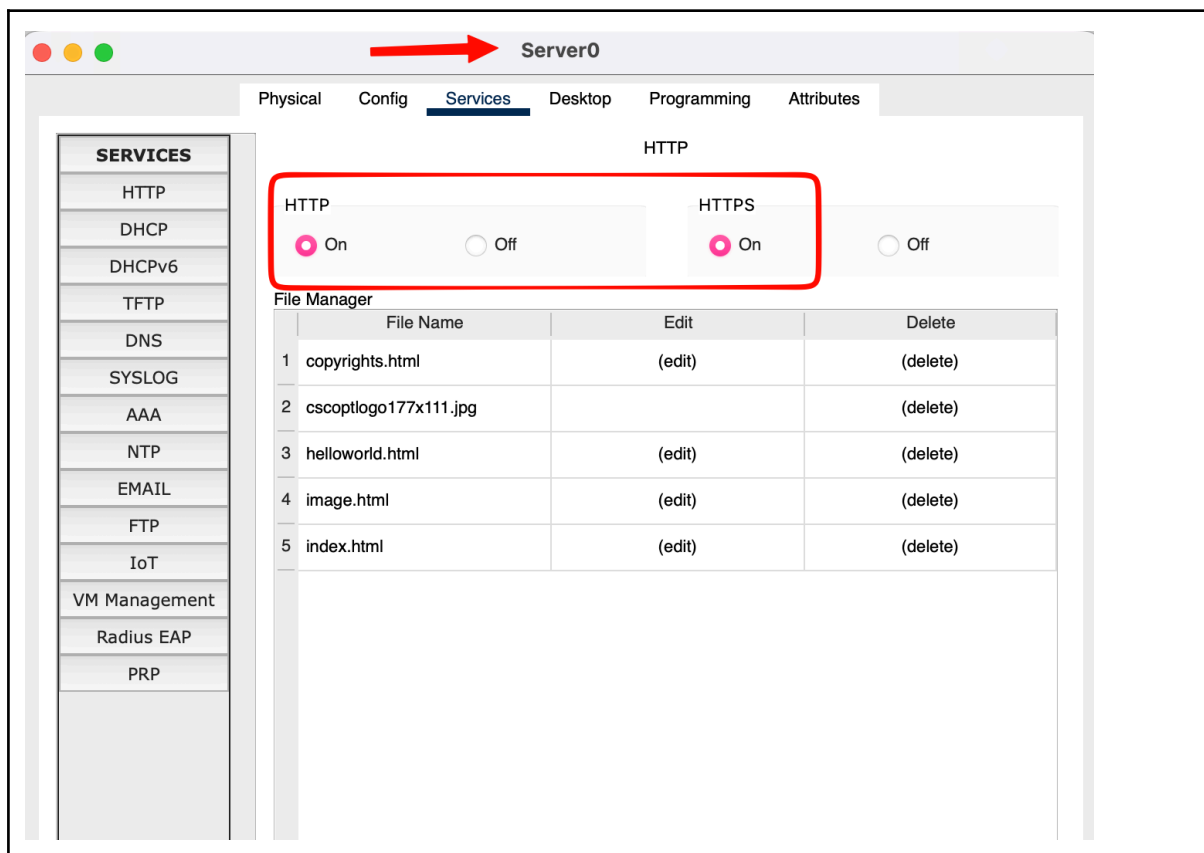
On PC0, we opened the Desktop tab, selected IP Configuration, chose Static, and entered the IP address 192.168.1.20 and the subnet mask 255.255.255.0, placing the PC on the same network as the server.



Step 2: HTTP Server Configuration

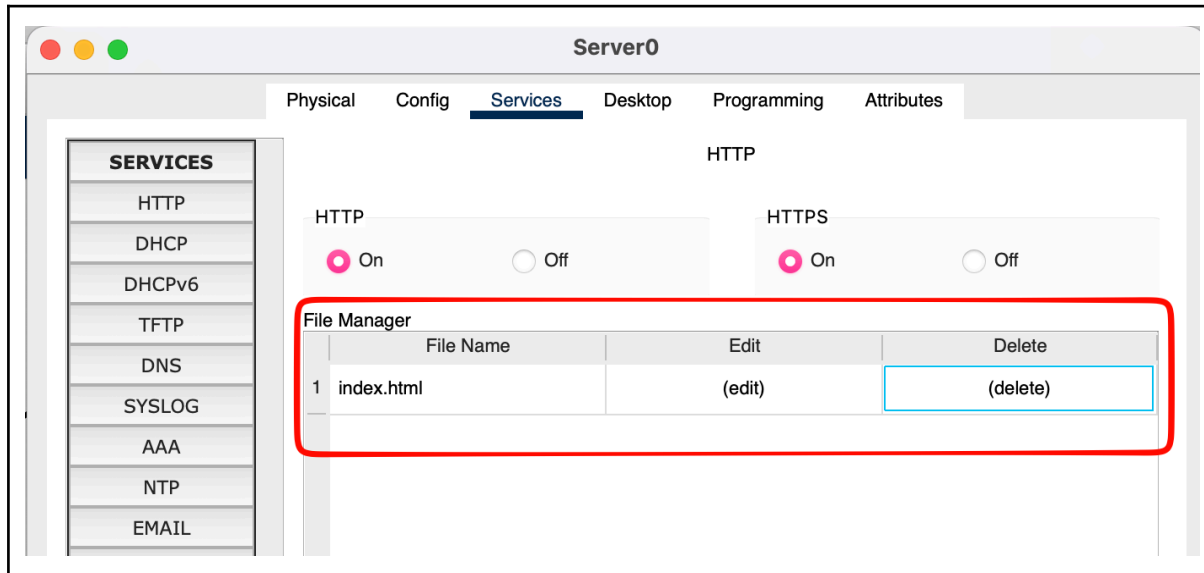
A. Enabling HTTP and HTTPS

On Server0, we opened the Services tab, selected HTTP, and switched both HTTP and HTTPS to On.



B. Deleting the Default Files

In the File Manager, we deleted all the default files (copyrights.html, cscoplogo177x111.jpg, helloworld.html, and image.html) and kept only index.html.



Step 3: Customizing the HTML Content

We clicked (edit) next to index.html, replaced its content with the code below to display our group members' names and student IDs, and clicked Save.

```
HTML
<html>

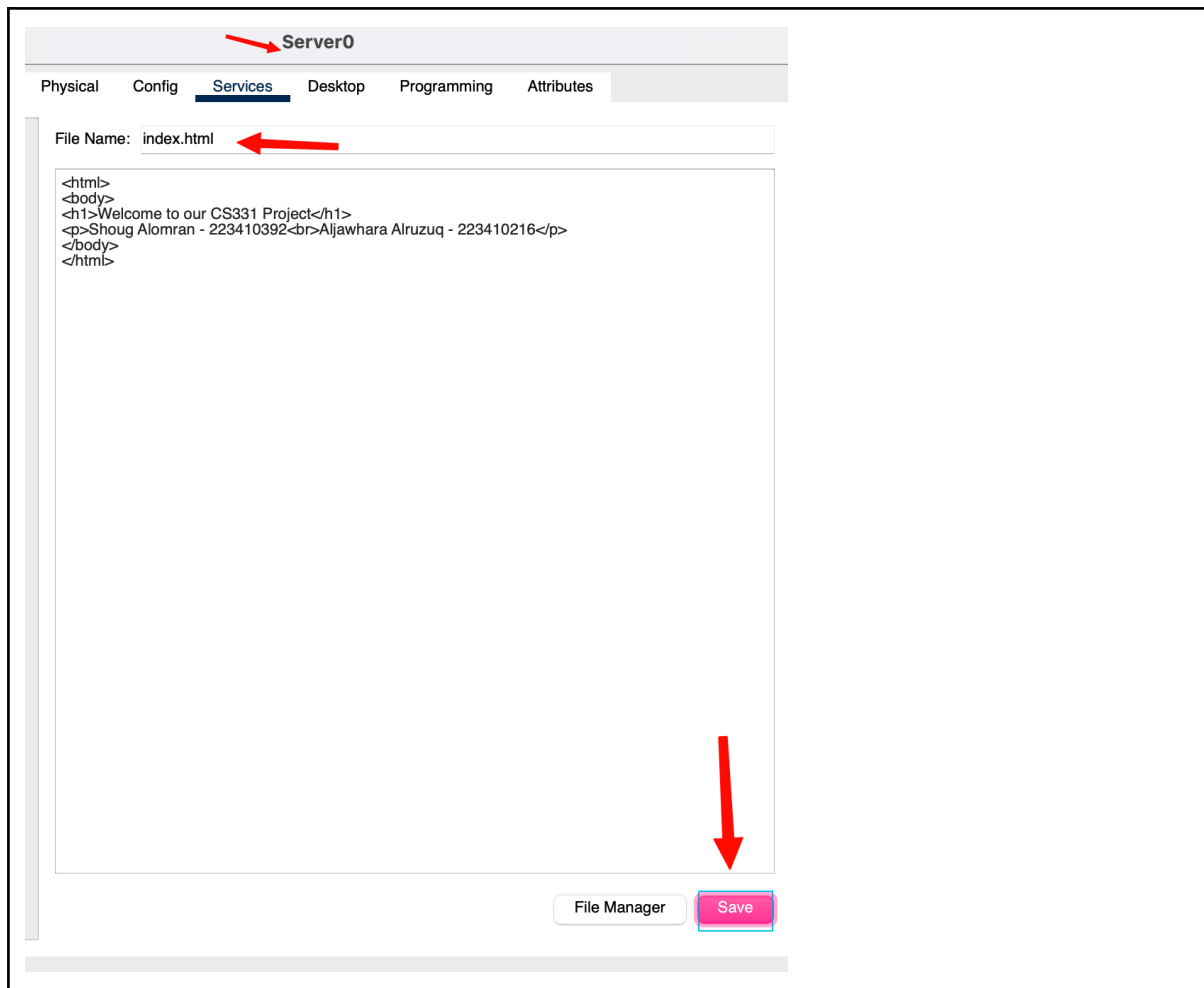
<body>

<h1>Welcome to our CS331 Project</h1>

<p>Shoug Alomran - 223410392<br>Aljawhara Alruzuq - 223410216</p>

</body>

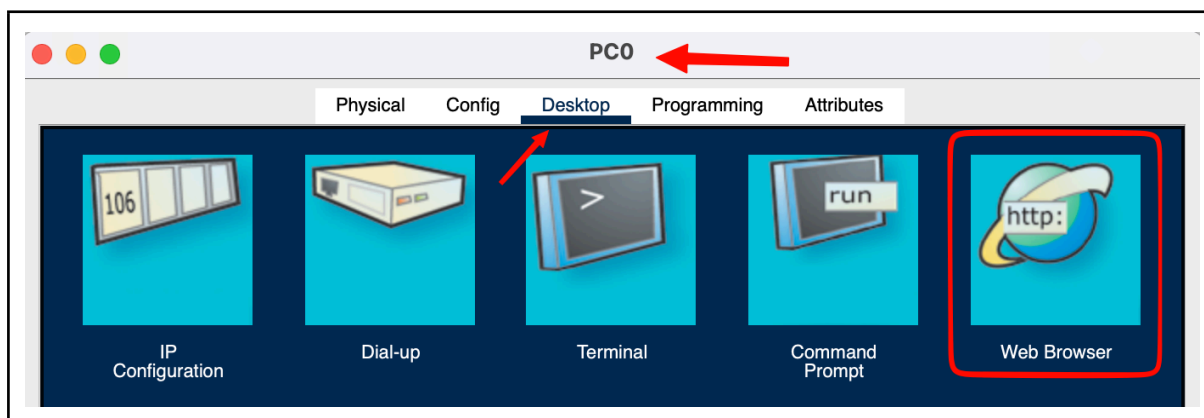
</html>
```



Step 4: Service Verification

A. Opening the Web Browser on the PC

On PC0, we opened the Desktop tab and selected Web Browser.



B. Accessing the Web Server by IP Address

In the URL field, we entered the web server's IP address, 192.168.1.10, and clicked Go. The page loaded and displayed "Welcome to our CS331 Project" along with both group members' names and student IDs. This confirms that the web server is working and reachable from the client over HTTP.

