

# Code and Compile presents

How to enable

# Webserver In PLC S7-1200

Access Web Server via Smart Phones and Tablet







# Things required

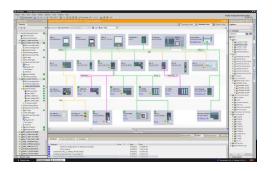


### Hardware used:



Siemens PLC S7-1200

### Software used:



Siemens TIA Portal V13/V14/V15



Any HTML file editor like Notepad++



### Tasks:

- 1. Activating the web server in Siemens S7-1200
- 2. Making simple user defined webpage printing Hello World! and understanding the connection of web page with PLC DB's.
- 3. Monitoring PLC tag status in user defined webpage without auto-refresh
- 4. Monitoring PLC tag status in user defined webpage with auto-refresh

#### Source:

https://www.dmcinfo.com/latest-thinking/blog/id/8567/siemens-s7-1200-web-server-tutorial--from-getting-started-to-html5-user-defined-pages

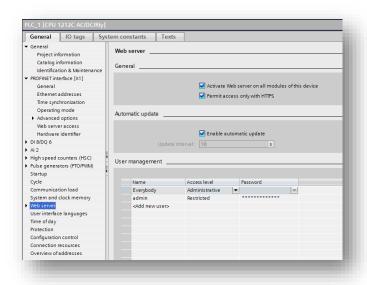


**Task 1:** Activating the web server in Siemens S7-1200



Navigate to controller properties

In Web server –
Activate the web server
and enter necessary
details like user
management,
webpages location,
web DB number etc.





### Task 2:

Making simple user defined webpage printing Hello World! and understanding the connection of web page with PLC DB's.

#### **HTML Preview**



#### **HTML Code**

```
<!DOCTYPE html>
<html>
<head>
<title>Code and Compile</title>
</head>
<body>
<h1>This is a Task 2</h1>
Hello World!
</body>
</html>
```



### Task 3:

Monitoring PLC tag status in user defined webpage without auto refresh

#### **HTML Preview**



#### Note:

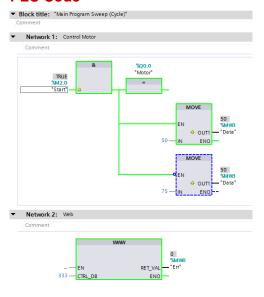
Webpage needs to be refreshed to see change in the PLC tags value

### **HTML Code**

```
<!DOCTYPE html>
⊟<html>
H<head>
   <meta charset="utf-8" />
   <title>Web-Server</title>
   k rel="stylesheet" href="mystyle.css">
H<body>
   <div id="container">
      <div id="header">
        <div class="title1">S7 1200 Web Server</div>
         <div class="title2">Monitoring PLC Tag Status</div>
         <div align="right" id="DateNow">12:0:0 PM</div>
      </div>
      <div id="content">
         <div id="pos2">
           <h3>Monitoring</h3>
            Start bit M2.0
                 :=Start:
                 Motor bit Q0.0
                 :=Motor:
                 Data in MW3
                 :=Data:
              eltrs
           </div>
</body>
</html>
```

### + mystyle.css

#### **PLC Code**





### Task 4:

Monitoring PLC tag status in user defined webpage with auto refresh



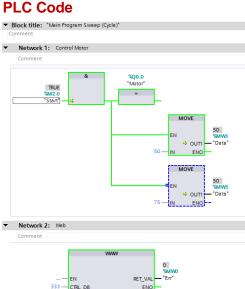
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#### Note:

PLC Tags values will refresh automatically after fixed time duration

Data in MW3









### To get more information visit

https://www.codeandcompile.com

Link is also given in the video description