



Automação industrial

USO DO WEB SERVER E ITS COM CLPS

WEB Server

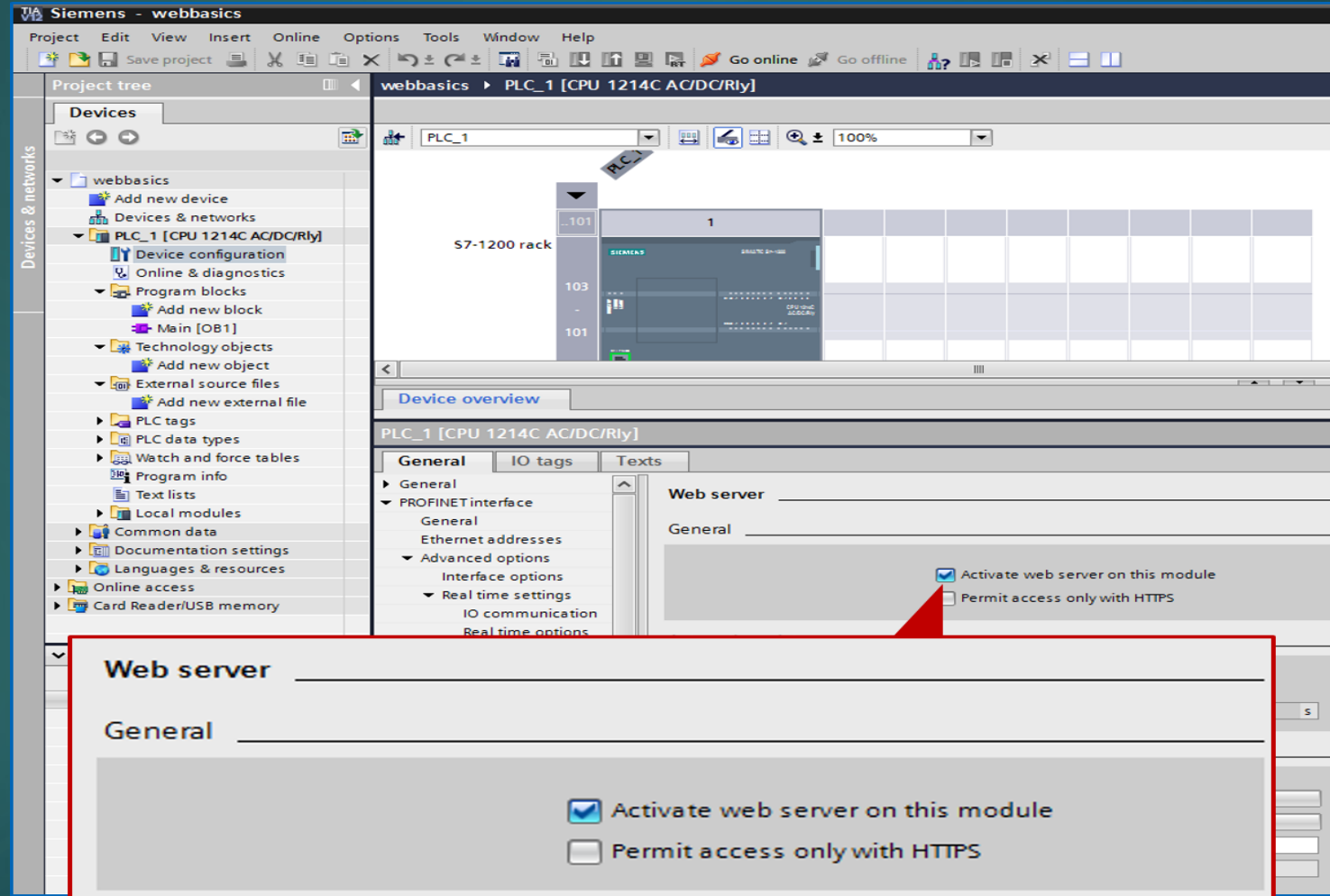
- ▶ HTTP
- ▶ Apache, IIS



Simulador



Configurando ambiente



Configurando ambiente

The screenshot displays the SIMATIC 1200 station_1 web interface. The browser address bar shows the URL: `192.168.0.62/Portal/Portal.mwsl?intro_enter_button=ENTER&PriNav=Start&coming_from_intro=t`. A red circle highlights the IP address `192.168.0.62`, and a red arrow points to it with the text **PLC IP Address**.

The interface includes a Siemens logo, the title **SIMATIC 1200 station_1/PLC_1**, and a timestamp **06:56:38 pm 03.06.2013**. On the left, there is a navigation menu with options: **Start Page**, **Identification**, **Diagnostic Buffer**, **Module Information**, **Communication**, **Variable Status**, **Data Logs**, **User Pages**, and **Introduction**.

The main content area shows the **PLC_1** status. It includes a **General** section with the following information:

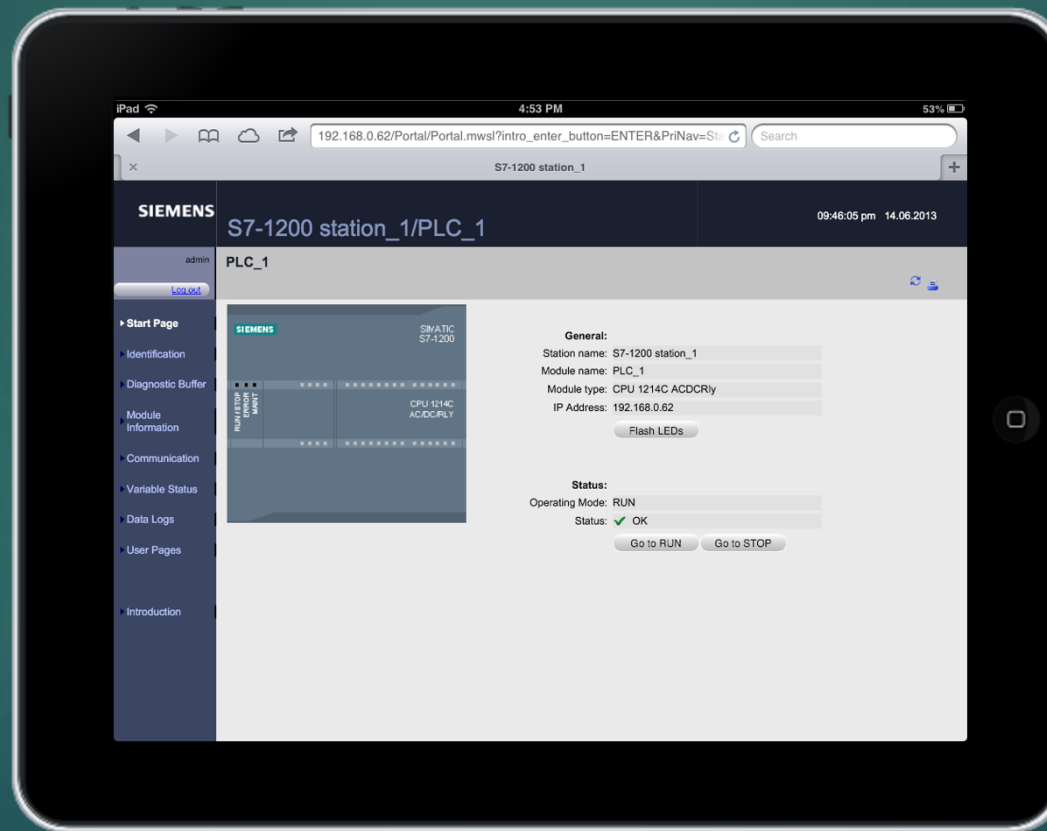
- Station name: SIMATIC 1200 station_1
- Module name: PLC_1
- Module type: CPU 1214C ACDCRly
- IP Address: 192.168.0.62

Below the General section, there is a **Status** section showing:

- Operating Mode: RUN
- Status: **OK**

The interface also features a **Diagnostic Buffer** section with a table showing the status of the PLC modules. The table has columns for **RUN/STOP**, **ERROR**, and **MAINT**. The status of the CPU 1214C ACDCRly module is shown as **OK**.

Responsive



Uso de variaveis

SIEMENS SIMATIC 1200 station_1/PLC_1

Name
Password
[Log In](#)

Variable Status

Enter the address of a tag here which you want to monitor

Address	Display Format	Monitor Value
M100.0	BIN	2#0
<input type="text" value="New variable"/>	BIN	

Start Page
Identification
Diagnostic Buffer
Module Information
Communication
Variable Status
Data Logs
User Pages
Introduction

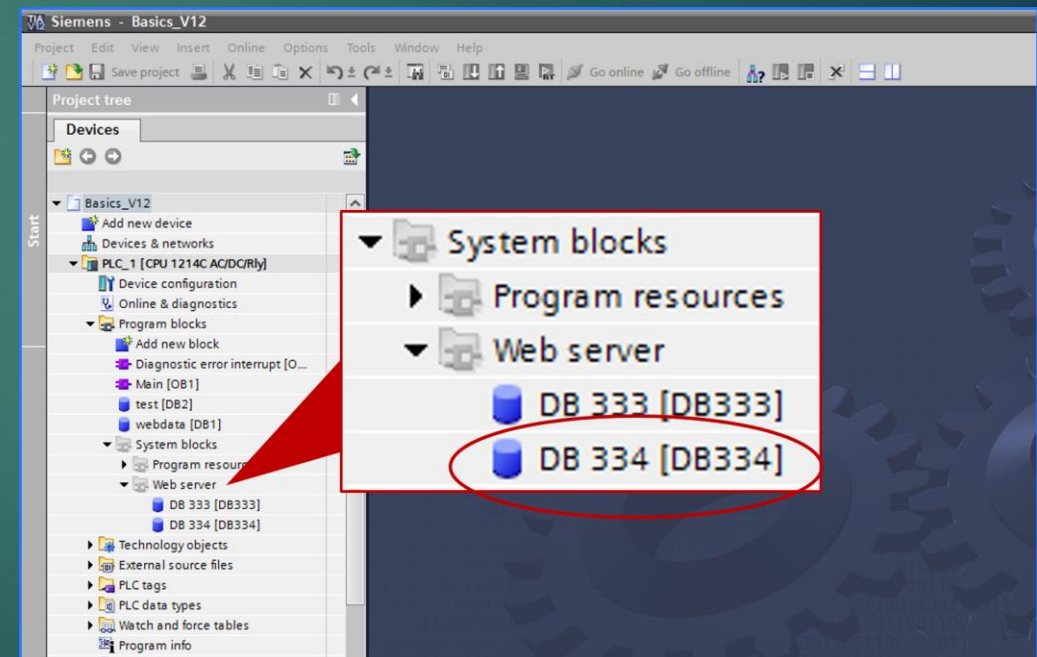
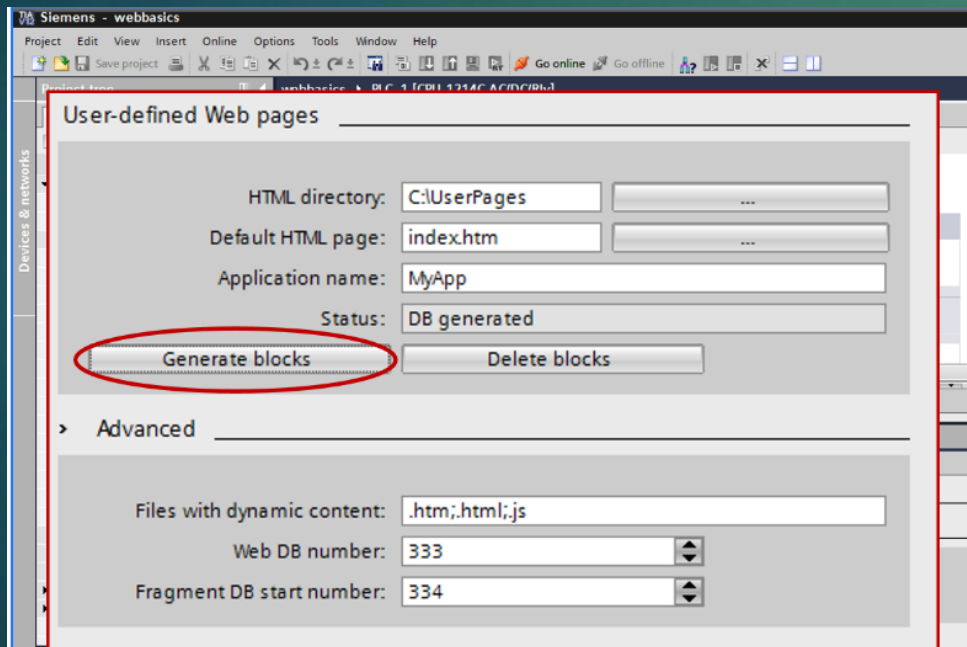
Criando páginas

► Interface HTML



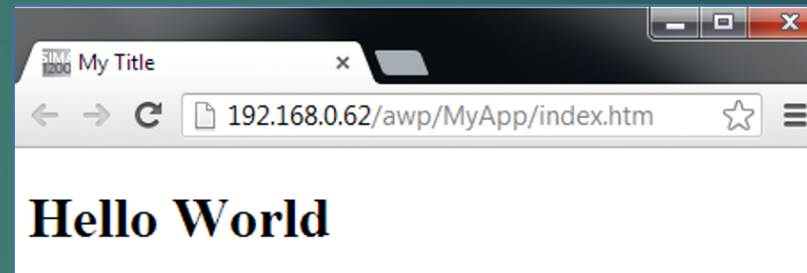
Criando páginas

- ▶ Device configuration -> WEB Server -> User-defined web pages



Uso do WWW

- ▶ Processamento dos requests
- ▶ Sincronizar dados
- ▶ Traz informações do CLP

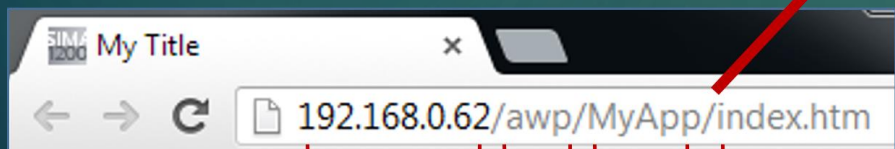
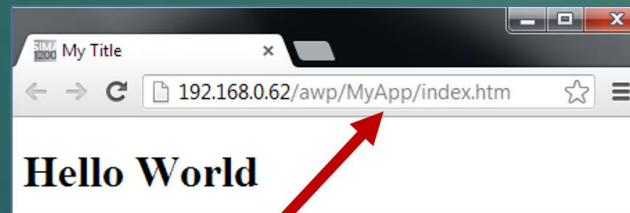


1. Browser asks for 'index.htm'

3. Fragment sent to browser as HTML

WWW			
	EN		ENO
333	CTRL_DB	RET_VAL	#RET_VAL

2. DB 333 retrieves the correct fragment 'index.htm' = Fragment 1



PLC IP awp Application Name File Name

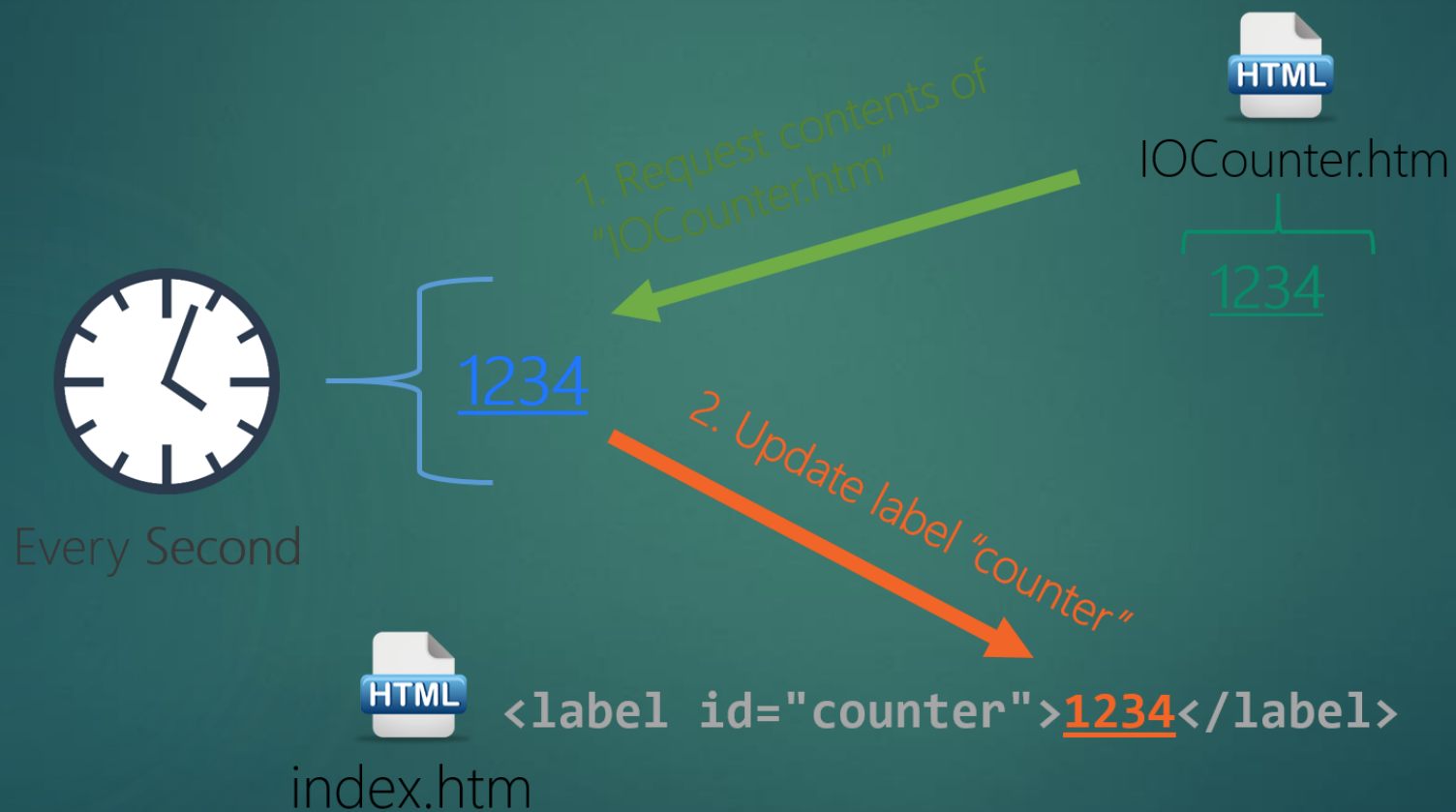


Sintaxe

⋮ = "webdata".counter ⋮

DB Name Element in DB

Atualizando os dados na página



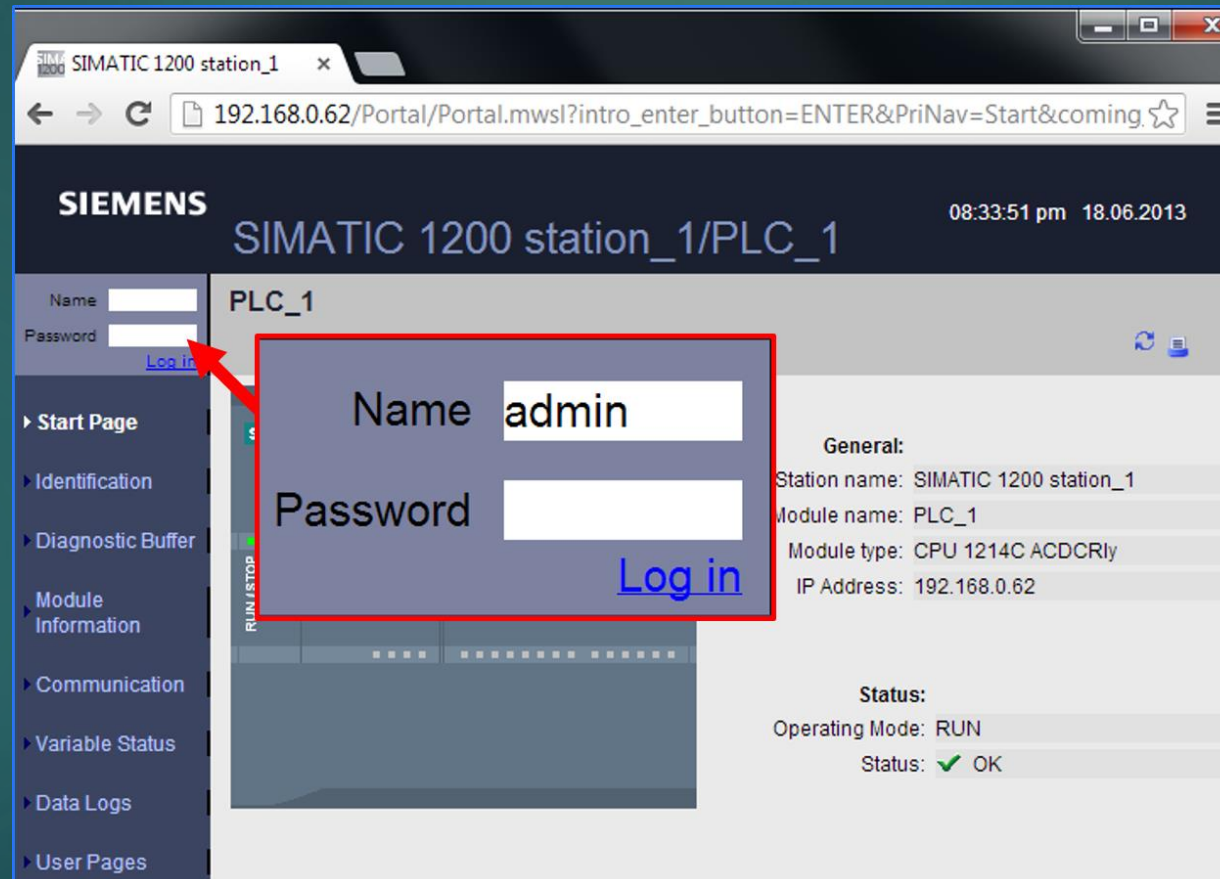
-
- DB334
- | ASCII | Hex |
|-------|-----|
| < | 3C |
| ! | 21 |
| D | 44 |
| O | 4F |
| C | 43 |
| T | 54 |
| Y | 59 |
| P | 50 |
| E | 45 |
- ```

<!DOCTYPE html>
<html>
 <head>
 <meta
 charset="utf-
 <title>My
 Title</title>
 </head>
 <body>
 Hello World
 </body>
</html>

```
- HTML

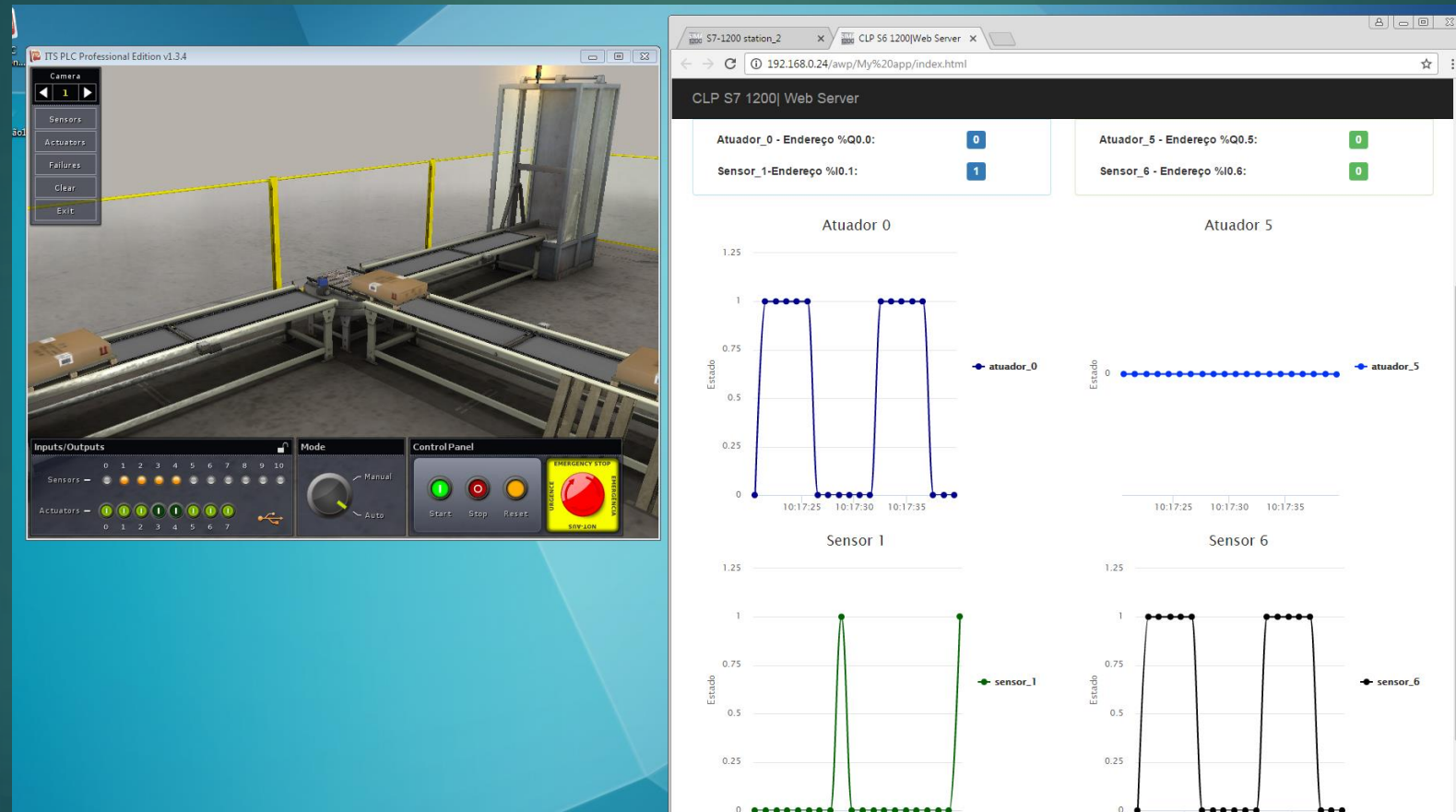
| ASCII | Hex |
|-------|-----|
| <     | 3C  |
| !     | 21  |
| D     | 44  |
| O     | 4F  |
| C     | 43  |
| T     | 54  |
| Y     | 59  |
| P     | 50  |
| E     | 45  |

# Modificando PLC tags do browser





# Overview





Hora do teste



Dúvidas?

