SIEMENS

Remote Access to SIMATIC HMI Comfort Panels

Integrated HMI web server

https://support.industry.siemens.com/cs/ww/en/109476153

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1 Task

Since you cannot connect a physical storage medium to the operator panel from the distance, you need another way of exporting and importing the data of the operator panel (e.g. recipes), or access the files stored on the operator panel (e.g. archive).

You wish to read the system messages of the operator panel for diagnostic purposes. You can, for example, remotely analyze errors in the configuration that only occur during runtime and adjust the project, if necessary.

Figure 1-1
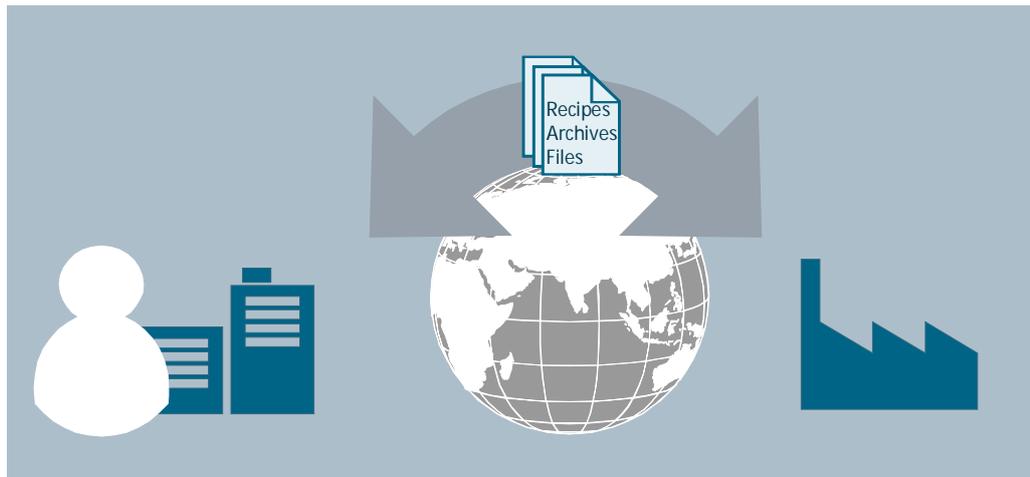
2   Solution

Description

The SIMATIC HMI Comfort Panel provides an integrated, free of charge web server. You can use it to display the standard service pages of the operator panel in the Internet Explorer without additional configuration workload.

Service pages

The following service page contains the SIMATIC HMI Comfort Panel:

- Start.html
  On the start page, general information such as the operating system version of the SIMATIC HMI Comfort Panel is displayed.
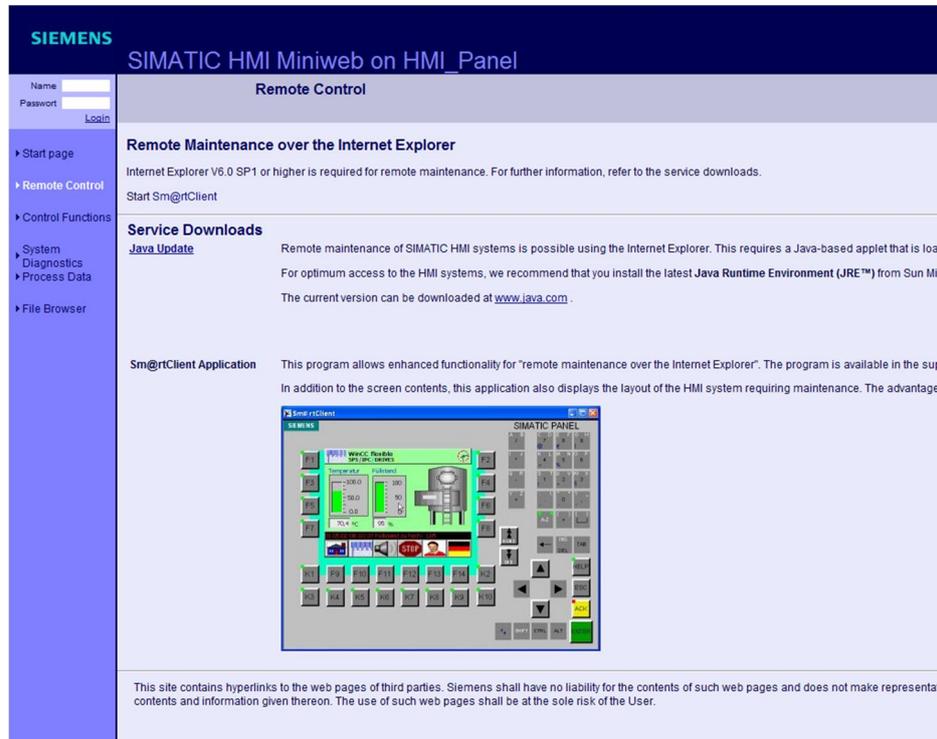
Figure 2-1

- RemoteControl.html:
  You can start the Sm@rtClient via this page.

  Figure 2-2

- Control.html
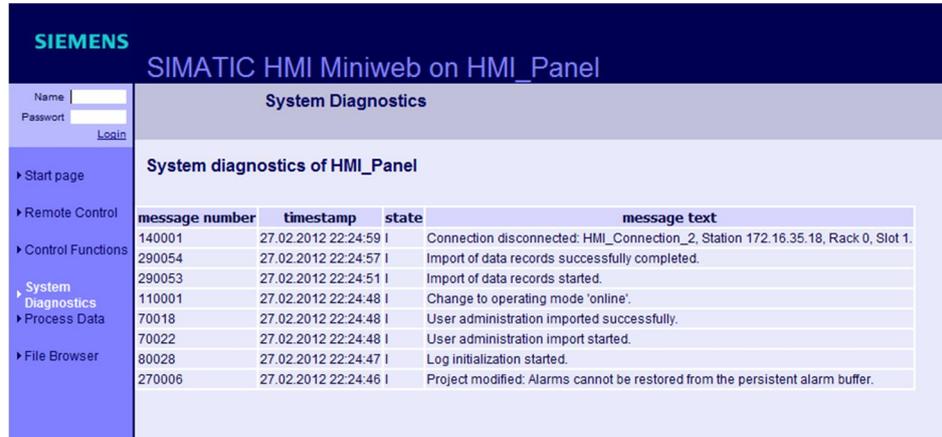 You can export/import recipe and user data, as well as start or stop the runtime of the operator panel.
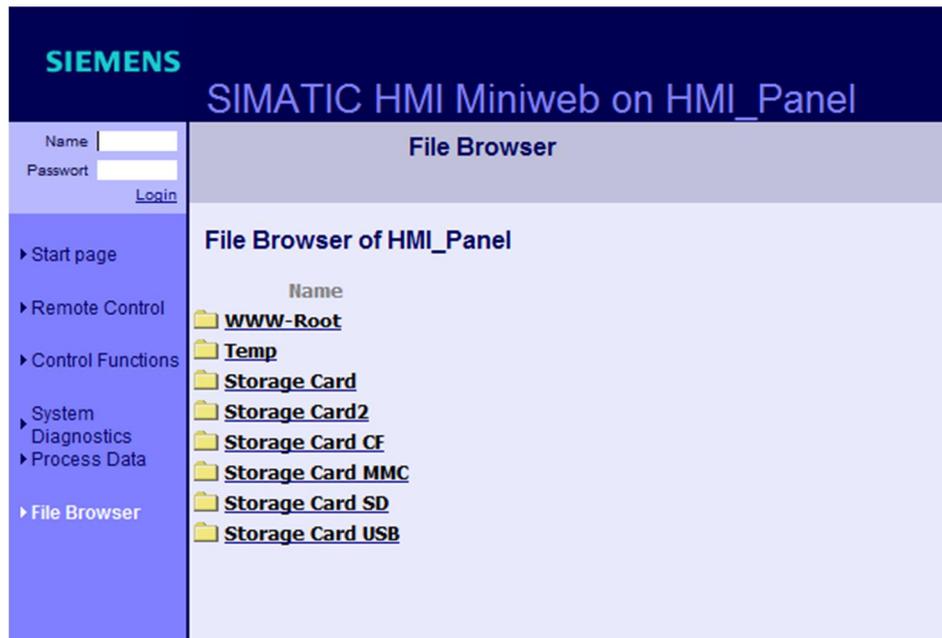
  Figure 2-3

- StatusDetails.html
  The system messages of the SIMATIC HMI Comfort Panel are displayed here.
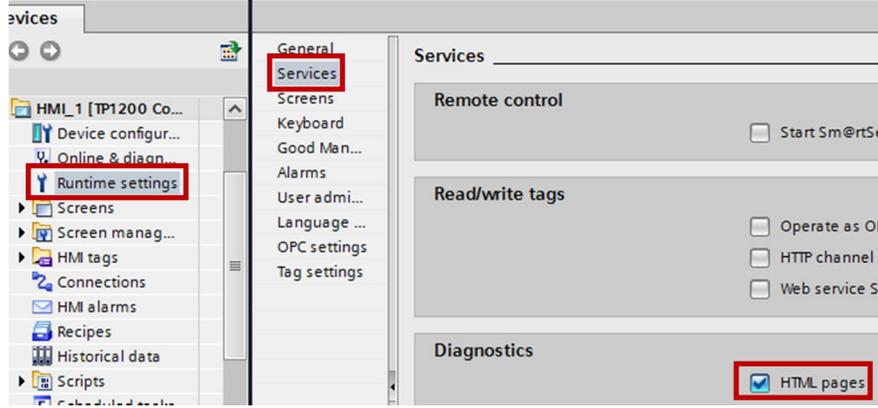
  Figure 2-4

- Browse.html
  You can access the file system of the SIMATIC HMI Comfort Panel via this page and load files from or to the device or the storage medium (USB stick/SD card).

  Figure 2-5

3 Procedure

Table 3-1

No.	Action
1.	Open the WinCC (TIA Portal) project.
2.	In the project tree, you double-click on the "Runtime settings" of the operator panel.
3.	Go to the "Services" menu and activate the "HTML pages" checkbox in the "Diagnostics" area.
4.	Transfer the project to the operator panel.
5.	Open the system control of the operator panel by pressing the "Settings" button in the Start Center.
6.	Open "WinCC Internet Settings".
7.	Go to the "Web Server" tab. Activate the "Start automatically after booting" checkbox, if the web server shall start together with the operator panel and not later together with Runtime. Activate "Close with Runtime", if the web server shall be terminated together with the runtime. Click on the "User Administration" button.
8.	Assign a secure password for the Administrator account and create further users for access to the web server, if necessary. In the "Authorizations" tab you specify the user rights.
9.	Call the web server of the operator panel by entering "http://IP address of the operator unit" in the address bar of the Internet Explorer.
10.	Log in with the user details of a user created in step 8.

4 Links & Literature

Table 4-1

	Topic	Title
\1\	Siemens Industry Online Support	http://support.automation.siemens.com
\2\	Download page of the entry	https://support.industry.siemens.com/cs/ww/en/109476153

5 History

Table 5-1

Version	Date	Modifications
V1.0	05/2015	First version