

Basic Setting for the SDT 2011 on the PCS 7 (example)

SIMATIC Diagnostics Tool

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Service & Support

Answers for industry.

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Go to the following link to download this document.

<http://support.automation.siemens.com/WW/view/en/65976201>

Caution

The functions and solutions described in this article confine themselves predominantly to the realization of the automation task. Furthermore, please take into account that corresponding protective measures have to be taken in the context of Industrial Security when connecting your equipment to other parts of the plant, the enterprise network or the internet. Further information can be found in Entry ID: !50203404!

<http://support.automation.siemens.com/WW/view/en/50203404>

Question

How do you use the "SIMATIC Diagnostics Tool" (SDT) to gather together the diagnostics and system information?

Answer

Follow the instructions and notes listed in this document for a detailed answer to the above question.

Basic Configuration of the SIMATIC Diagnostics Tool 2011

Introduction

This document shows you the basic settings to use on the SIMATIC Diagnostics Tool in order to acquire diagnostics data from an Engineering-Station or other stations.

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Notes

- The term "local" designates your Engineering Station in the instructions below. The term "remote" designates one of the other stations, for example OS Server, OS Client, CAS and so on.
- Your data drive is designated as "D:\:" in the instructions. If you use a different letter to designate your data drive, take this into account in your configuration.

Instructions

Table 0-1

| No. | Action |
|-----|---|
| 1. | Open the following internet page of the SIMATIC Diagnostics Tool [SDT]: http://support.automation.siemens.com/WW/view/en/65976201 |
| 2. | Download the Zip-file "SDT2011_3.zip" file from this page to your Engineering Station and unpack the Zip file on your drive, "D:\SDT", for example. For decoding use password: "12345678". |
| 3. | Download the file "PSTools.zip" from the Microsoft internet site http://technet.microsoft.com/en-us/sysinternals/bb897553.aspx and extract the file PsExec.exe into the subfolder "...\bin" of the SIMATIC Diagnostics tool.. |
| 4. | Download the "Userdump" tool from the Microsoft internet site http://www.microsoft.com/downloads/details.aspx?FamilyID=E089CA41-6A87-40C8-BF69-28AC08570B7E and start the self-extracting file. Retain the path and click "Unzip". It is not necessary to install this tool.. |
| 5. | Download the Zip-File "general-configs.zip" from this page to your Engineering Station and extract the Zip-file to your drive e.g. "D:\SDT". This includes the basic configuration files: <ul style="list-style-type: none"> • All_remote.xml • All_local.xml |

| No. | Action |
|-----|--|
| 6. | <p>Start the "SettingsManager.exe" in the folder "D:\SDT". (These are the basic settings for acquiring data from the Engineering Station and from other stations.)</p> <p>Configuration of the Engineering Station</p> <ul style="list-style-type: none"> • Select "File > Open File" and then select "All_local.xml". (Use this for the Engineering Station.) • Select "ENGst" For "Computer Usage". • Under "Extra Module" you specify the path of your (Master) OS Server or of your single-user station project as below. For example: "D:\Project\Proj1_prj\wincproj\OS(1)*.log" and "D:\Project\Proj1_prj\wincproj\OS(1)\winccom*.log". (This is necessary to obtain the Transfer.log and Load.log of your OS project.) • Select "File > Save File As" and save the file with the name of your Engineering Station in the directory "D:\SDT". <p>Configuration of All Other Stations</p> <ul style="list-style-type: none"> • Download 7za.exe (http://downloads.sourceforge.net/sevenzip/7za465.zip) and unpack it to subfolder "...bin". • Select "File > Open File" and then select "All_remote.xml". (Used for all other stations.) • Specify the computer name or the IP address within the "Computer IP / Name" of the remote computer. • Specify within the the "Username", "Password" und "Confirm Password" the login data of the administrator of this station. • In the "Extra Module" tab you specify the paths of the OS projects of the remote station as below. For example: "D:\Project\OS(1)*.log" and "D:\Project\OS(1)\winccom*.log". (This is necessary to obtain the Transfer.log and Load.log of your OS project.) • Select "File > Save File As" and save the file with the name of your Remote Station in the directory "D:\SDT". |
| 7. | Close the Settings Manager. |
| 8. | <p>Start the "SIMATICDiagnosticsTool.exe" in the directory "D:\SDT".</p> <ul style="list-style-type: none"> • Select "File > Open Config File" and open the XML files that you have created in step 6. • Select "Get Information" and click "Yes" to start data collection. • Once data collection has been completed, the "Summary of Collection" window opens. Close this window with the "OK" button. • The window "Enter Details" popup. Close this window with the "NO" button. • Exit the SIMATIC Diagnostics tool with the "Exit" button. <p>The archive with the data collection is stored in the path below. "D:\SDT\SDT_<date>_<time>_". Use the files from that folder.</p> |

Notes

The configuration described does not take into account the computer resources available. These must be ascertained and taken into account for each case of application.