Abstract

This application note briefly describes how to run the syn1588® PTP Stack on Windows PCs as service that may be automatically started if the PC is booted.

Introduction

On PCs running Windows 7 (32 bit and 64 bit), Windows 10 or Windows Server 2016, it is possible to run the syn1588® PTP Stack as a Windows Service in the background. One needs to download the "Non-Sucking Service Manager". Make sure you have Administrator privileges because you need them for the installation process.

Use the following instructions to set up the syn1588® PTP Stack as a Windows Service:

1. First download and extract the "Non-Sucking Service Manager" Tool (https://nssm.cc/download)

2. Open the command line tool in Windows and enter following command to start the nssm service installer:

```
<path>\nssm.exe install ptp
```

<path> corresponds to the directory containing the executable nssm tool, like "nssm.exe".

3. Enter the path to the syn1588® PTP Stack as well as additional arguments
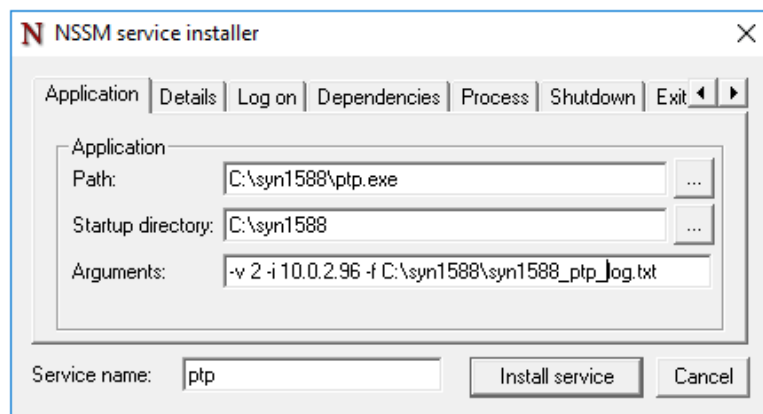

Figure 1: Enter application path and arguments

4. Navigate to the tab "Details" and enter a display name and a description for the service.
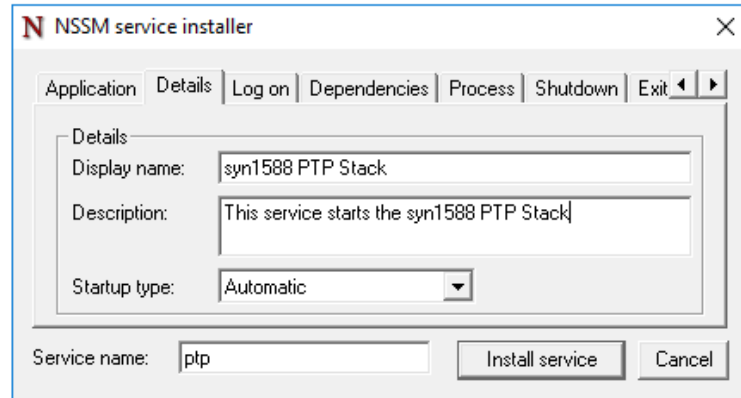

Figure 2: Enter display name and description

5. Click "Install service" to install the syn1588® PTP Stack as windows service.

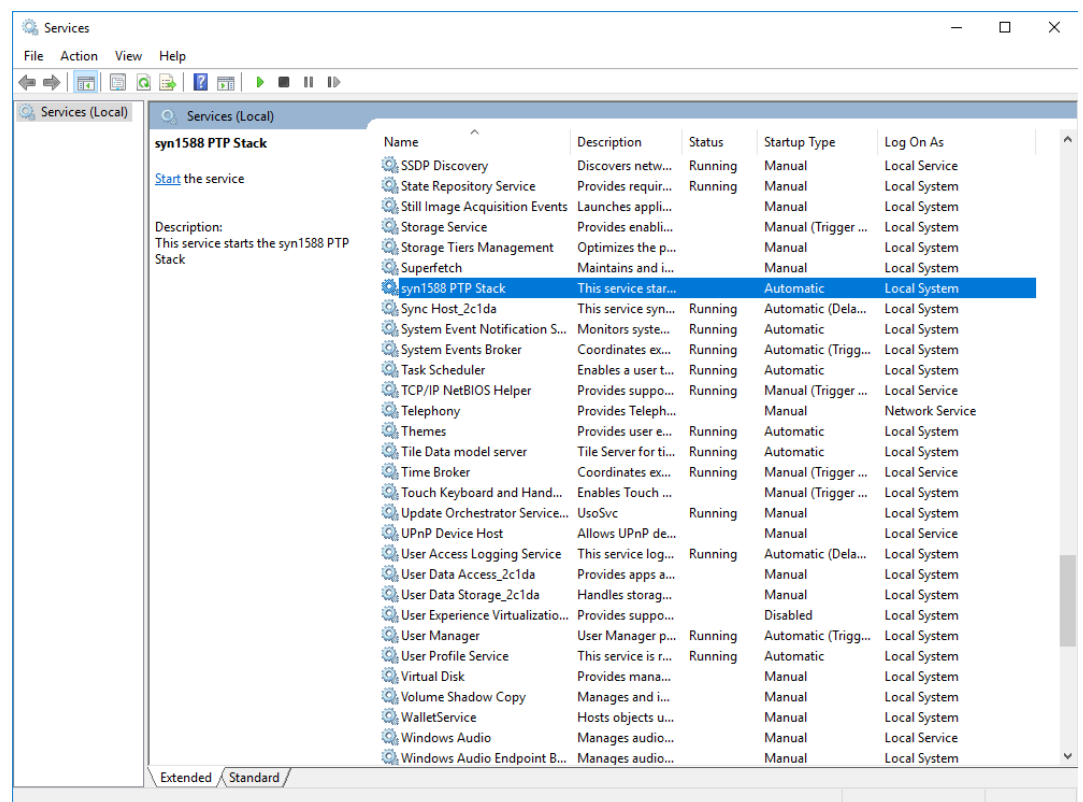6. Run the services applet and check if the syn1588® PTP Stack is entered as service.

Figure 3: Windows services applet

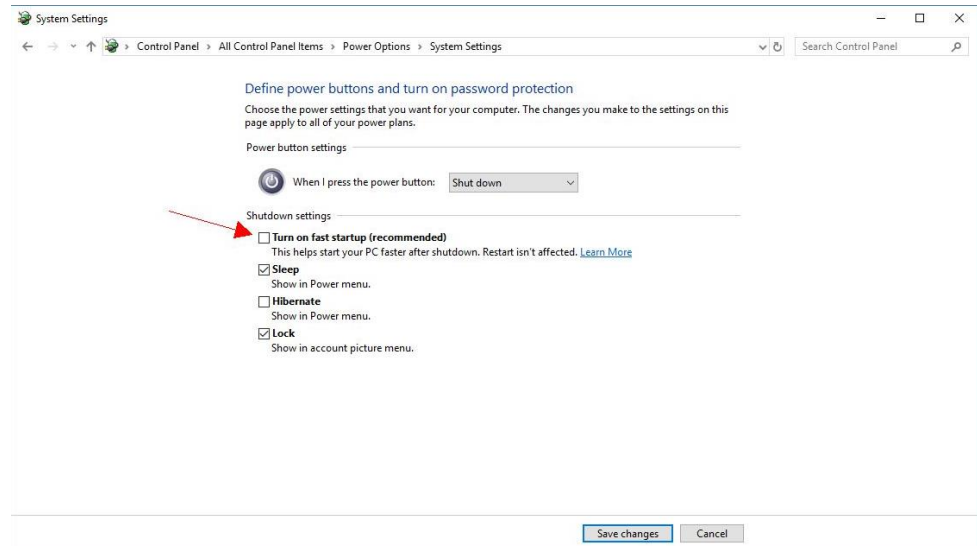7. For Windows 10 it is necessary to disable the fast startup mode. For that navigate to Power Options → System Settings and uncheck "Turn on fast startup"

Figure 4: Disable fast startup mode for Windows 10

8. Now the syn1588® PTP Stack is configured as Windows Service to run automatically when the system is started.

Summary

This application note gives a brief introduction on how to run the syn1588® PTP Stack as Windows Service.