

OPEN TRACK

Simulation of Railway Networks

Installation under Windows (2000 / XP / Vista / 7 / 8 / 10 / 11)

Preconditions

- Computer with min. 4 GB RAM (better 4 GB .. 8 GB RAM)
- ca. 2 GB free space on HD
- Operating system Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8 (32 or 64 Bit version), Windows 10 (32 or 64 Bit version), Windows 11 (32 or 64 Bit version)
- OpenStep Enterprise 4.2 (OpenStep for Windows)
- Activated network card (TCP/IP)
- If possible: 21"-Display with a min. resolution of 1280 * 1024
- PostScript printer or installed GhostScript (PostScript drivers for the used printers must be installed)

1. Preparation

Check the following setting of your system:

- Windows 2000: Control Panel -> System -> Environment -> System Variables: *Path*
- Windows XP, Windows Vista, Windows 7, 8, 10 and 11: Control Panel -> System -> Advanced System Settings -> Environment Variables: *Path*

Copy the settings of the *Path variable* in a text file for the case that the OpenStep installer would overwrite one of the settings. If this happened, add the saved entries again to the *Path variable*. The delimiter between two entries is a *semicolon (;)*.

2. Operating System Settings (Windows 2000 / XP / Vista / 7 / 8 / 10 / 11)

The following setting in the control panels is recommended to get the full multitasking functionality of OpenTrack:

- Windows 2000: Settings -> Control Panel -> System -> Advanced -> Performance Options: Optimize Performance for *Background Services*
- Windows XP and Windows Vista: Control Panel -> System -> Advanced -> Performance Settings -> Advanced: Processor scheduling: *Background Services*
- Windows 7, 8, 10 and 11: Control Panel -> System -> Advanced System Settings -> Performance Settings -> Advanced: Processor scheduling: *Background Services*

3. Installation of OpenStep

- Log in with Administrator rights
- Insert OpenTrack CD in drive
- Change to the OpenStep directory
- Install OpenStep (run Setup.exe)
 - 32 Bit Windows: run Setup.exe in path OpenStep\Windows 32 Bit
 - 64 Bit Windows: run OPENSTEP.msi in path OpenStep\Windows 64 Bit
- Reboot the computer
- Check after the OpenStep installation:
 - Environment variables must be defined (Settings -> Control Panel -> System -> Environment -> System Variables:
 - NEXT_ROOT= C:\NeXT
 - Path=C:\NEXT\NEXTDEVELOPER\EXECUTABLES\UTILITIES;
C:\NEXT\NEXTLIBRARY\DOCUMENTATION\NEXTDEV;
C:\NEXT\NEXTDEVELOPER\EXECUTABLES;
C:\NEXT\NEXTLIBRARY\EXECUTABLES;
and other Path settings defined by the user
 - Services *NeXT Mach Deamon* (machd) and *NeXT Netname Server* (nmserver) must be marked as automatic:
 - Windows 2000: Settings -> Control Panel -> Services
 - Windows XP: Right click on “My computer” -> Manage -> Services and Applications
 - Windows 7, 8 and 10: Control Panel -> Administrative Tools -> Services
 - Startup-folder of AllUsers (C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Startup) must contain a shortcut to *WindowServer* (Target = C:\NeXT\NextLibrary\System\WindowServer.exe) and to *PasteboardServer* (Target = C:\NeXT\NextLibrary\Frameworks\AppKit.framework\Resources\pbs.exe) respectively (in newer Windows versions) the two applications must be listed under Task Manager -> Start-up.
- Optional: Install OpenTrack-user (for example: user opentrack)
- Optional: Define homedirectory in the profile of the new user (for example: D:\users\opentrack)

4. Installation of OpenTrack

- Log in as User
- Backup the current version of the application and the datafiles
- Insert OpenTrack CD
- Change to the OpenTrack directory
- Install OpenTrack (run Setup.exe)
- Follow the instructions given by the installation program (*Full Install* or *Application Update*)
- Start OpenTrack and use it

5. Optional: Installation of a Theme

Windows 10 uses the color white for the windows title bars by default. The combination with the color gray which is often used in OpenTrack does not look very elegant. Unfortunately Windows 10 does not directly allow the change of the title bar color, but a so-called *theme* allows it. We recommend the usage of the *Aero_Light* theme.

- Download Aero_Lite_Theme.zip:
<http://www.opentrack.ch/opentrack/downloads/aerolite.theme.zip>
- Save the .zip file to your desktop.
- Open the .zip file, and extract (drag and drop) the aerolite.theme file to your desktop.
- Double click/tap on the extracted aerolite.theme file to install and apply the theme to only your account. Your theme settings will now open to indicate you changed to the Aero Lite theme.
- Do further changes & adaptations in the Control Panel *Personalization*.