RH Windows Installation Checklist

Manual installation | 1 October 2026 | Internal use only

Follow the steps in order. Installers are in C:\admin\Software2.

Important notes

[ ] Complete all Windows updates and restart when required.

[ ] Update all device drivers.

[ ] Confirm Microsoft Visual C++ v14 x64 and x86 runtimes are functional.

Windows machine name: WDESK-PLINE-###

Linux machine name: WDESK-PLINE-###

Environmental setup

[ ] Create ATEAdmin and add it to Administrators.

[ ] Set language and keyboard to English US; region to United States.

[ ] Set sleep to Never; monitor timeout to 10 hours (AC and battery).

[ ] Sign into ProductionLine. Use administrator credentials only when required.

Quick run through

[ ] 1. Install NI VISA

`ni-visa_25.8_online.exe`

[ ] 2. Install NI DAQmx

`ni-daqmx_26.3_online.exe`

[ ] 3. Install TestStand and activate

`ni-teststand-2023_23.8_online.exe`

1. Open NI License Manager.
2. Click Activate Software.
3. Username: corpit@notraffic.com
4. Password: ^9Uwz#HjtO@xu3$u
5. Select Enter a Serial Number.
6. Select the Development option.
7. Enter D11L1071292.
8. Click Activate and confirm success.

[ ] 4. Install OpenVPN

`OpenVPN-2.7.4-I001-amd64.msi`

[ ] 5. Import the assigned VPN profile

1. Find this computer name and its assigned .ovpn file in:
   `C:\admin\Software2\VPNFiles\Used VPN File Connections.txt`
2. Under ProductionLine, right-click OpenVPN GUI in the taskbar.
3. Select Import > Import file and choose the assigned profile in VPNFiles.

[ ] 6. Custom install Python

`python-3.12.0-amd64.exe`

6a. Check both boxes in the first window:

[ ] Use admin privileges when installing py.exe

[ ] Add python.exe to PATH

6b. Choose Customize installation; set the directory to C:\Python312.

Keep the approved optional features selected. Leave Install for all users unchecked.

[ ] 7. Install the NoTraffic application

`mysetup.exe`

[ ] 8. Install VS Code as a standard user

Run normally under ProductionLine, NOT as administrator:

`C:\admin\Software2\VSCodeUserSetup-x64-1.92.2.exe`

[ ] 9. RESTART PC

Restart, then sign into ProductionLine before continuing.

[ ] 10. Run and close notraffic ATM

10a. Open notraffic_ATM normally, NOT as administrator. Allow it to load fully.

Startup may take time. Close it normally; confirm this folder was created:

`C:\Users\ProductionLine\AppData\Local\National Instruments\TestStand 2023 (64-bit)`

10b. Pin the notraffic_ATM shortcut to the taskbar.

[ ] 11. Copy one folder and one file

Keep notraffic_ATM and TestStand closed. Back up existing destination files.

11a. Copy/overwrite the CONTENTS of cfg (do not create a nested Cfg\cfg):

```
From: C:\admin\Software2\cfg
To:   C:\ProgramData\National Instruments\TestStand 2023 (64-bit)\Cfg
```

11b. Copy/overwrite UserInterface.xml:

```
From: C:\admin\Software2\UserInterface.xml
To:   C:\Users\ProductionLine\AppData\Local\National Instruments\TestStand 2023 (64-bit)
```

Unblock all destination Cfg files recursively and the copied UserInterface.xml.

[ ] 12. Set up the Python environment

12a. Open PowerShell as administrator.

12b. Change directory:

```
Set-Location 'C:\admin\Software2'
```

12c. Install requirements using this exact command:

```
& 'C:\Python312\python.exe' -m pip install -r '.\requirements.txt'
```

12d. Check the installed dependencies:

```
& 'C:\Python312\python.exe' -m pip check
```