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**NI SPEC SERVER PROXY**

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# Overview

NI Spec Server Proxy enables users to exchange data between SystemLink Enterprise (SLE) and NI TestStand without affecting the TestStand-SpecificationComplianceManager (SCM) workflow.

Related Information:

* [TestStand-SCM Integration](https://www.ni.com/docs/en-US/bundle/teststand/page/communicating-with-an-scm-server-in-teststand.html)

# Software Requirements

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| --- | --- |
| **NI Packages Dependency** | **Version** |
| NI TestStand | 2023 Q4 or above (64-bit) |
| NI SystemLink Client | 2024 Q1 or above |

# Installation

1. Open Command Prompt.
2. Run the below command to install the whl file,

"*C:\Program Files\National Instruments\Shared\Skyline\Python\3.8\python.exe" -m pip install* ***<path\_to\_ni\_spec\_server\_proxy-X\_X\_X-py3-none-any.whl>***

Note:

* Require Internet access to install the external dependencies of NI Spec Server Proxy

# How to run?

* Run **spec-server-proxy.bat** file available in the **batch\_files/** folder  
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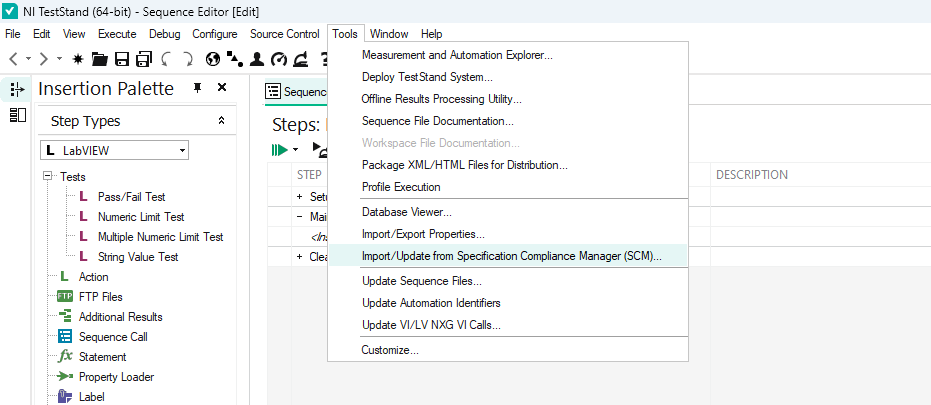
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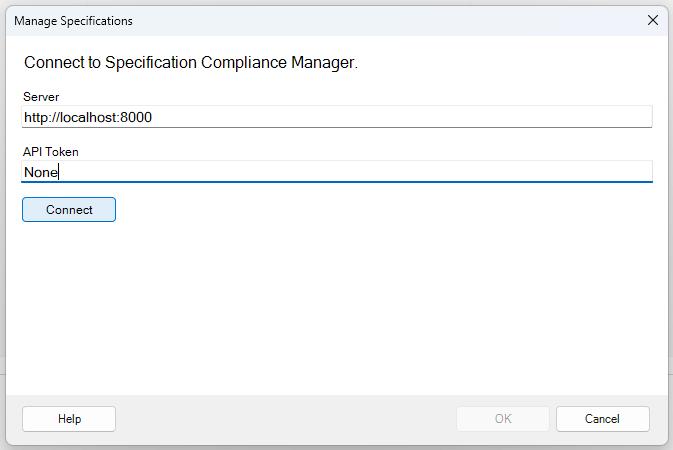
Or

1. Open Command Prompt.
2. Run the below command to start the proxy service,

*"C:\Program Files\National Instruments\Shared\Skyline\Python\3.8\python.exe" -m ni\_spec\_server\_proxy*

# How to communicate TestStand with SLE?

1. Launch NI SystemLink Client and connect to SystemLink Enterprise as per [instructions](https://www.ni.com/docs/en-US/bundle/systemlink-enterprise/page/setting-up-systemlink-client.html#:~:text=Search%20for%20and%20install%20NI,which%20you%20want%20to%20connect.).
   1. If the SLE version is 2024-04 or older, update the API key in the master.json file at - *"C:\ProgramData\National Instruments\Skyline\HttpConfigurations\http\_master.json".*
   2. Refer to the [instructions to Create an API key](https://www.ni.com/docs/en-US/bundle/systemlink-enterprise/page/creating-an-api-key.html).
2. Run the NI Spec Server Proxy. Refer to [How to run?](#_How_to_run?)
3. Open NI TestStand Sequence Editor
4. To import product specifications from an SLE server into TestStand, Launch the Manage Specifications dialog box by selecting *Tools » Import/Update from Specification Compliance Manager (SCM)* from the TestStand Sequence Editor menu bar.
5. Enter the credentials in the dialog box,
   1. Server - *http://localhost:8000*
   2. API token – *None*



1. Click on the *Connect* button.
2. Once the server is connected, the Product drop-down lists the **PartNumber** available in SLE.
3. Select a PartNumber and select the categories to import the specifications.
4. Use the specification details imported into FileGlobals.SCM\_Specifications in the Test Sequence for Test Automation and measurement data logging with test conditions using the TestStand SCM Integration Workflow.

# How to start the proxy on windows startup automatically?

1. Download the **spec-server-proxy.bat** file available in the batch\_files/ folder.
2. Press **Win + R** to open the Run dialog.
3. Type **shell:startup** and press Enter.

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1. The Startup folder opens.
2. Place the **spec-server-proxy.bat** file in the Startup folder.
3. This batch file will start whenever the PC is turned on.

Note: Do Not close the NI Spec Server Proxy window. The proxy service will terminate when this window is closed.

