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**NI MEASURMENT PLUGIN PACKAGE BUILDER**

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# Overview

NI Measurement Plugin Package Builder enables users to build Python Measurement Plugins as NI package files.

# Software Requirements

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| **Packages Dependency** | **Version** |
| Python | 3.8 and above |
| NI Package Manager | 2022 Q4 and above |

# Installation

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

*pip install* ***<path\_to\_ni\_measurement\_plugin\_package\_builder-X\_X\_X-py3-none-any.whl>***

Note:

* Require Internet access to install the external dependencies of NI Measurement Plugin Package Builder.

# How to run?

1. Open Command Prompt.
2. There are two ways in which user can build packages,
   1. Non-interactive mode
   2. Interactive mode

## Non-interactive mode

1. To build a single measurement plugin, run the command

*ni-measurement-plugin-package-builder --plugin-dir*

*<measurement\_plugin\_directory>*

For example,

*ni-measurement-plugin-package-builder --plugin-dir*

*“C:/Users/examples/sample\_measurement”*

1. To build multiple measurement plugins, run the command

*ni-measurement-plugin-package-builder --base-dir*

*<measurement\_plugin\_base\_directory> --selected-meas-plugins <list\_of\_comma\_separated\_meas\_plugins>*

For example,

*ni-measurement-plugin-package-builder --base-dir*

*“C:/Users/examples” --selected-meas-plugins “sample\_measurement,test\_measurement”*

1. Input arguments should be provided within double quotes.
2. For building multiple measurements both the required inputs will be required like *base directory* and *selected measurement plugins*.

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1. The command line interface will show the directory where the *.nipkg* files are generated.

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## Interactive mode

1. To start the tool in interactive mode, run the command

*ni-measurement-plugin-package-builder -i*

1. Users will be prompted to enter the required inputs for building measurements.
2. To build multiple measurement plugins, the parent directory containing the measurement plugin folders must be provided.
3. The command line interface will show the directory where the *.nipkg* files are generated.

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