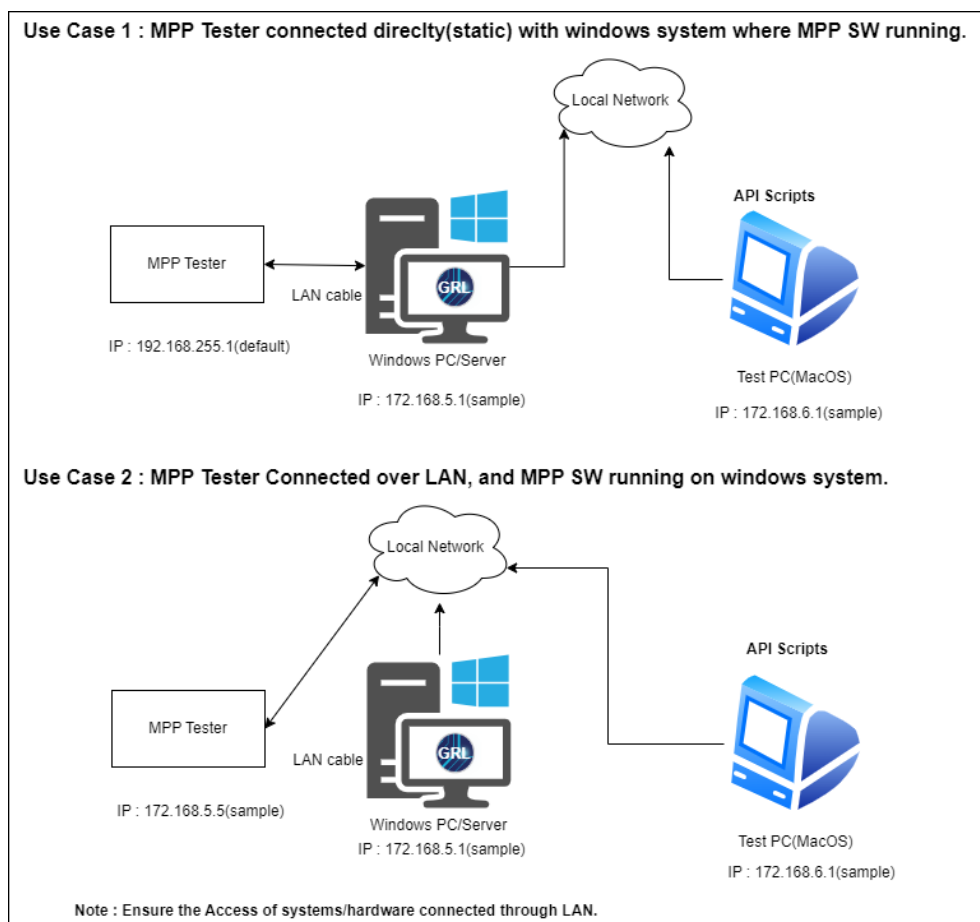


MPP-TPT API Scripts User Guide – PFO test run for different power levels

1. Environment Setup:

- a. Install Python latest version from <https://www.python.org/downloads/>
- b. Add pip library to python.
Windows: ***python -m pip install --upgrade pip***
MacOS: ***python3 get-pip.py***
- c. Add requests library to python.
Windows: ***python -m pip install requests***
MacOS: ***pip install requests***

2. System Connectivity:



3. Execute Scripts on terminal.

a. Connect tester.

- i. Open terminal and navigate to API scripts path.
cd "script path"
- ii. Execute **Main.py**.
python main.py
- iii. Provide **Y** for new connection setup, **N** for proceeding with existing connection.

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS D:\MPP\v2\For Apple\APIScripts> python .\PrepareRun.py
Existing Connection Server/PC IP :192.168.1.101, TesterIP :192.168.5.84
Proceed with existing connection setup?(Y/N) :
```

- iv. If the option is N, then provide IP address of PC/server where the MPP Software is running.

```
PS D:\MPP\v2\For Apple\APIScripts> python .\PrepareRun.py
Existing Connection Server/PC IP :192.168.1.101, TesterIP :192.168.5.84
Proceed with existing connection setup?(Y/N) :n
Provide SW running PC/Server IP:192.168.1.101
```

- v. Next provide the Tester Ip address.

Note: In System connectivity (2), for case 1 the Tester IP would be 192.168.255.1 by default, for case 2 it can be a dynamic IP.

```
PS D:\MPP\v2\For Apple\APIScripts> python .\PrepareRun.py
Existing Connection Server/PC IP :192.168.1.101, TesterIP :192.168.5.84
Proceed with existing connection setup?(Y/N) :n
Provide SW running PC/Server IP:192.168.1.101
Provide Tester IP Address:192.168.5.99
```

- vi. If connection succeeded, will get menu for prepare the tests to run.

```
Existing Connection Server/PC IP :localhost, TesterIP :192.168.5.90
Proceed with existing connection setup?(Y/N) :y
Connection Connection proceeding with : Server/PC IP :localhost, TesterIP :192.168.5.90
20032024_160552_225932800 : Connection : Connection proceeding with : Server/PC IP :localhost, TesterIP :192.168.5.90
API call http://localhost:2004/api/ConnectionSetup/192.168.5.90
20032024_160552_243884800 : API call : http://localhost:2004/api/ConnectionSetup/192.168.5.90
API Response 200
20032024_160553_600258800 : API Response : 200
Connection Tester Connected..
20032024_160553_615253400 : Connection : Tester Connected..
-----
1.Run 0,0 Test
2.Run 2,2 Test
3.Exit
-----
Enter the choice :
```

The connection setup is stored in input.json file.

```
"ProjectName": "Apple",
"PCIP": "192.168.1.101",
"TesterIP": "192.168.5.99",
"ConnectionStatus": 0,
```

b. To Run 0,0 position testcase.













- i. From the main menu (**3-> vi**), Choose 1 to run the 00 position testcase with all power levels 2.5W,5W,7.5W,10W,12.5W,15W.

c. To Run 2,2 position testcase.

- i. From the main menu (**3-> vi**), Choose 2 to run the 22 position testcase with all power levels 2.5W,5W,7.5W,10W,12.5W,15W.

d. Reports.

The executed testcase trace and CSV files will be available in, Build location\ reports folder.

(D:) > Automation Data > MPP > Scripts > MPP_TPT_Excerciser > Reports > 20032024_155315_450041000				
Name	Date modified	Type	Size	
 2.5_00	3/20/2024 3:54 PM	Microsoft Excel C...	6 KB	
 2.5_00.grltrace	3/20/2024 1:06 PM	GRLTRACE File	812 KB	
 5_00	3/20/2024 3:55 PM	Microsoft Excel C...	6 KB	
 5_00.grltrace	3/20/2024 12:34 PM	GRLTRACE File	7,902 KB	
 7.5_00	3/20/2024 3:56 PM	Microsoft Excel C...	6 KB	
 7.5_00.grltrace	3/20/2024 12:28 PM	GRLTRACE File	1,188 KB	
 10_00	3/20/2024 3:58 PM	Microsoft Excel C...	11 KB	
 10_00.grltrace	3/20/2024 11:47 AM	GRLTRACE File	215 KB	
 12.5_00	3/20/2024 4:01 PM	Microsoft Excel C...	11 KB	
 12.5_00.grltrace	3/20/2024 11:46 AM	GRLTRACE File	331 KB	
 15_00	3/20/2024 4:03 PM	Microsoft Excel C...	11 KB	
 15_00.grltrace	3/20/2024 11:46 AM	GRLTRACE File	331 KB	

e. Exit.

- i. From the main menu (**3-> vi**), Choose 3 to exit.