Connecting Turck PLC to Kepware Server

There is **no physical connection between the Turck PLC and PC at the Smart Manufacturing Lab.** Both PLC and PC is connected in a network at BVM server and requires proper connection to establish connection.

1. Ensure PLC is connected to the server.

1.Open **Command Prompt (cmd).**

2.We will send a **small packet** to **check connection between PLC and Server.**
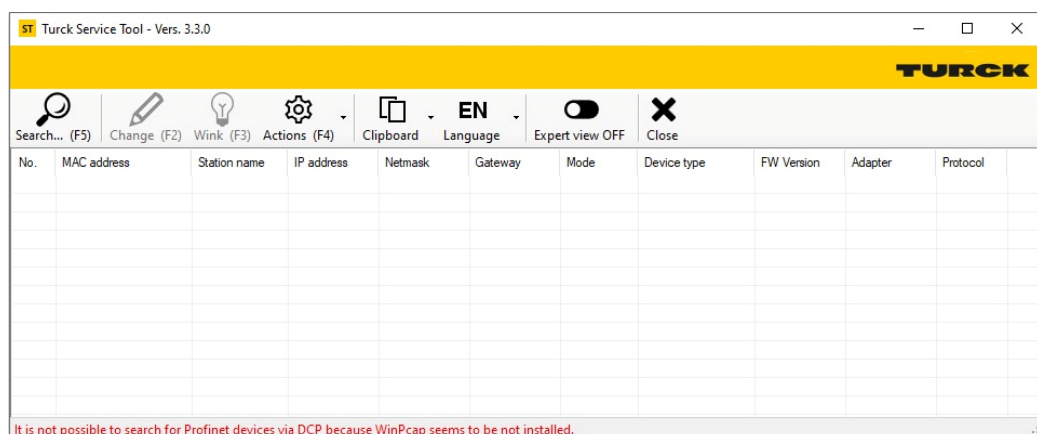

3. Enter command **<ping 10.10.14.93>**

This is the IP address of Turck PLC. In case it shows, **Request Timed Out**, you need to ensure the following.

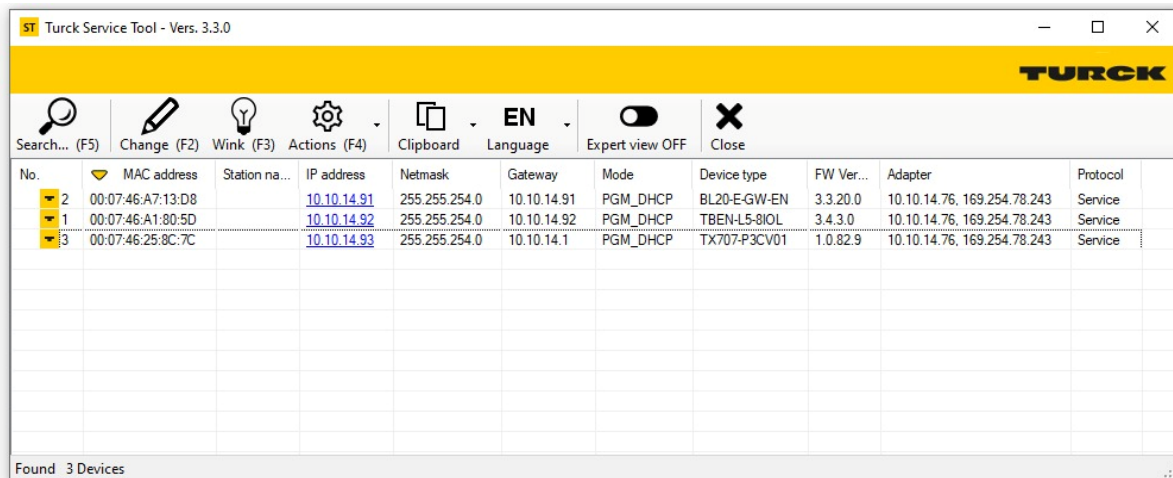**2. Turck Service Tool**

1. Open **Turck Service tool** on the PC.

2.It will show empty on Startup.
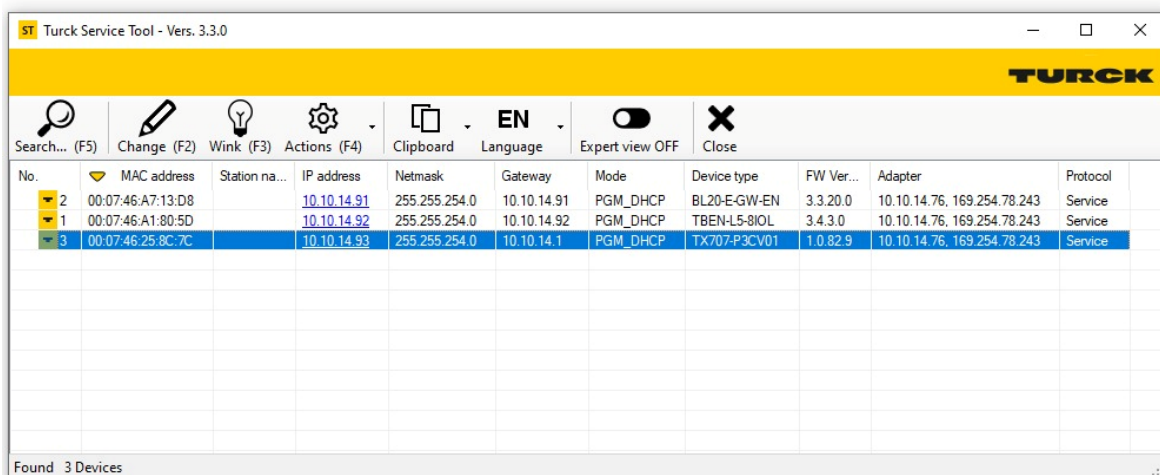
3.Click on **Search(F5)** to show the PLC.

4. Ensure that the details are exactly like the one mentioned here. Note that the **Gateway IP** needs to be strictly **10.10.14.1**. It connects all the PC and the PLC to our Server.

5. In case it is altered or do not match the IP as shown, Select the **Turck PLC.**

6. Select the change option.

7. Select Gateway, and set it to **10.10.14.1**

In case PLC address is unknown, **boot up PLC to check the IP address on HMI**. It shows for a short time so make sure to note it down.

Connecting Smart Manufacturing PC to Server PC

1.The **Smart Manufacturing Lab PC is not equipped** with Kepware server.

2.We need to connect to **Server PC using Xen Connect**.

Connection using Xen connect

1. Open **Xen Connect**
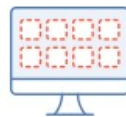
2.Add a **Server**

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Add a Server   Try Desktop Virtualization   Contact Support

Add New Server   ?   ✕

Enter the host name or IP address of the server you want to add and your user login credentials for that server.

Server: |

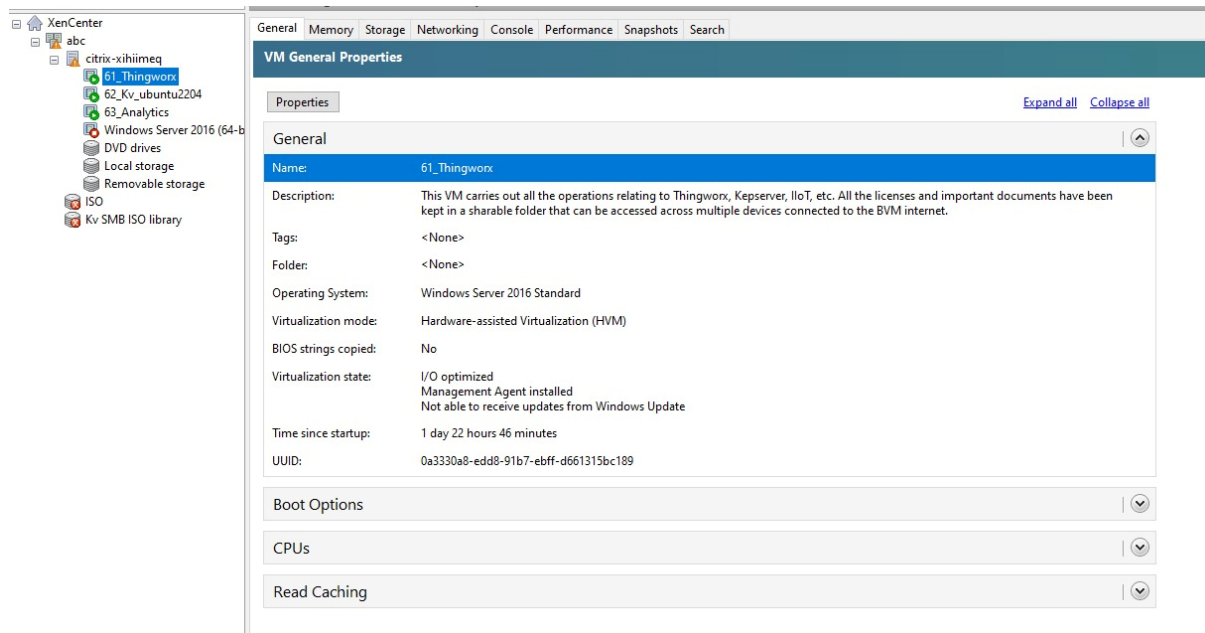User login credentials

Username: root

Password:

Add   Cancel

Server: 10.10.8.60

Username: root

Password: hcme@deptt_1234

3. This window should open.

4. Select **Thingworx** from the **Xen Centre Tree**.

5. Go to **Console**.

6. Accept **Remote connection** to the PC.

7. In case of credentials:

Username: Administrator

Password: Smart@bvm_1234

8. You are now logged in to server PC having kepware server.

9. Follow "**Thingworx Connectivity**" document for further process.