1   The procedure to install LDmicro and other required software for Open-PLC on Ubuntu Linux 18.04

1. To follow the installation procedure, you need to be connected to the internet.

2. Locate the tutorial **Installation of LDmicro on Linux**.

3. This tutorial explains how to install **LDmicro**, **AVRDUDE**, and **USBasp drivers** on **Ubuntu Linux 18.04 OS**.

4. Go to the website: **www.openplc.fossee.in**

5. Under **Downloads** menu, in the **Linux (Ubuntu) using Qt** row, click on **LDmicro for Ubuntu 18.04 (deb)**.

6. Follow the steps as shown on the tutorial to install **LDmicro**.

7. At 2:49 the tutorial shows how to install **LDmicro** from the downloaded **.deb package**.

8. At 3:20 the tutorial shows how to install dependencies in case you encounter an error while installing.

9. At 4:42 the tutorial demonstrates how to open **LDmicro**. If you could see the same on your machine, it indicates that **LDmicro** is successfully installed.

10. At 5:16 the tutorial shows how to install **AVRDUDE**.

11. At 6:29 the tutorial demonstrates how to check if **USBasp drivers** are installed.

12. Follow all the steps as shown in the tutorial and install the required software for **OpenPLC**.

2   How to check if LDmicro is installed?

1. Click on the **Show Applications** on the left bottom of the screen.

2. In the search bar, type **ldmicro** and double click on the **ldmicro** icon.

3. It will open the **LDmicro** window.

4. In the menu bar, click on **Instructions** and select **Insert a coil**

5. It will insert a coil as **Ynew**.

6. This indicates that **LDmicro** is successfully installed.

3 The procedure to install LDmicro and other required software for Open-PLC on Windows 8

1. To follow the installation procedure, you need to be connected to the internet.
2. Go to the website: **www.openplc.fossee.in**
3. Under **Downloads** menu, in the **Windows** row, click on **LDmicro for Windows**.
4. The **.exe file** will get downloaded. Then double-click on the **ldmicro** file.
5. We will get a warning message. Click on **More Info** and then click on **Run anyway**.
6. **LDmicro** window opens. This indicates that **LDmicro** is successfully installed.
7. To install **AVRDUDE**, go to the website **www.openplc.fossee.in** and click on **WinAVR (AVRDUDE)** in the **Windows** row.
8. It will redirect you to **sourceforge.net** website. Click on the **Files** tab. Click on **WinAVR** folder.
9. Click on the first folder available in the list, which indicates the latest version.
10. At the time of creating this series the latest version is 20100110.
11. Then, click on **.exe** available in the folder you chose to download **AVRDUDE**.
12. At 3:07 the tutorial shows how to install **AVRDUDE** from the downloaded **.exe** file.
13. Next to install **USBasp drivers**, go to the website **www.openplc.fossee.in** and click on **USBasp drivers** in the **Windows** row.
14. At 5:15 the tutorial shows how to install **USBasp drivers** from the **.zip file** that you have downloaded.
15. Follow all the steps as shown in the tutorial and install the required software for **OpenPLC**.

4 How to check if LDmicro is installed?

1. Double click on the **.exe file** which you have downloaded
2. It will open the **LDmicro** window.
3. In the menu bar, click on **Instructions** and select **Insert a coil**
4. It will insert a coil as **Ynew**.
5. This indicates that **LDmicro** is successfully installed.