Monitor Update Utility (MUU)

Linux Version User's Guide (RPM version)

Version: 0.20

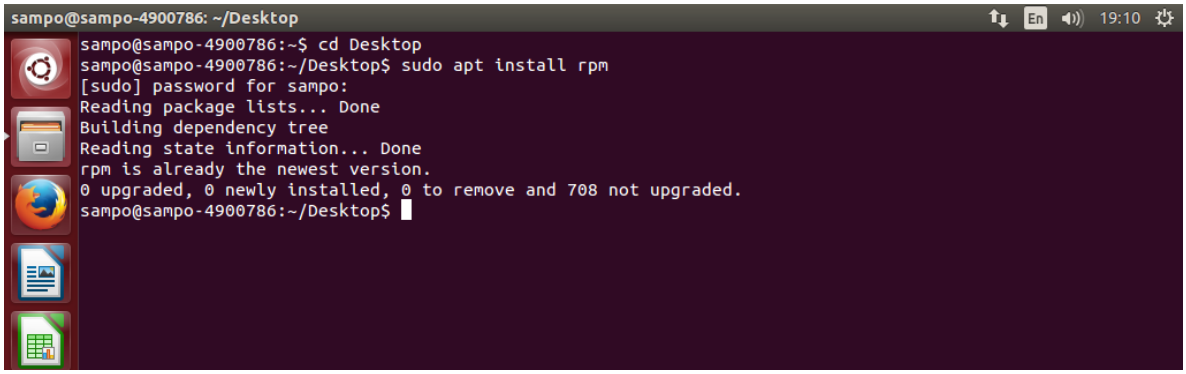
1. Utility Installation Requirement:

1.1 Confirm the RPM program available in the Linux OS before installation:

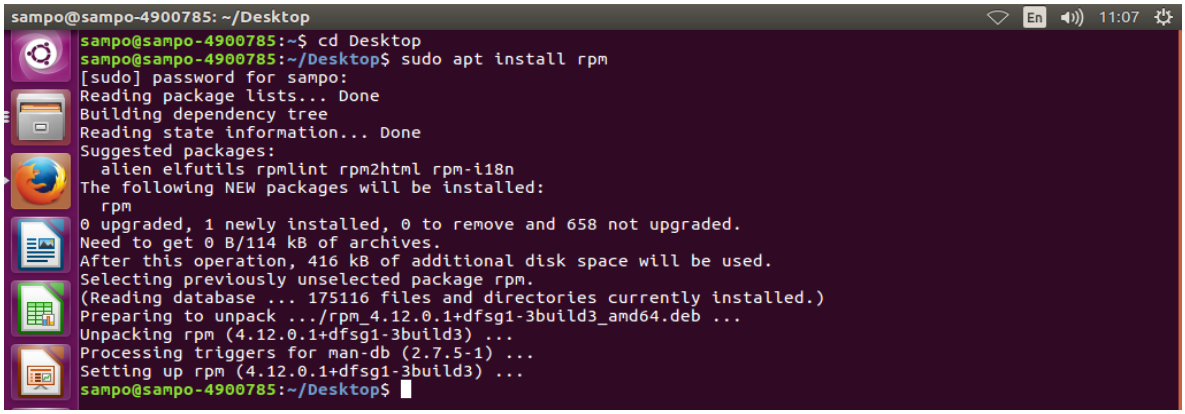
Before the RPM version MUU installation, you need to make sure the Linux OS with the RPM program. Here we provide the example in the Ubuntu version 16.04 OS to download the RPM program from website.

Ubuntu 16.04 rpm installation command: sudo apt install rpm

32Bit Environment:



64bit Environment:



1.2 Confirm the Python version and Libusb version is the requirement version:

1. Python version need to be 2.6 version or upper version.
2. libusb version need to be 1.0.8 or upper version.

1.3 Monitor Update Utility (MUU) can only work with the official release FW version, not for the trial version FW test use.

2. Utility Installation Process:

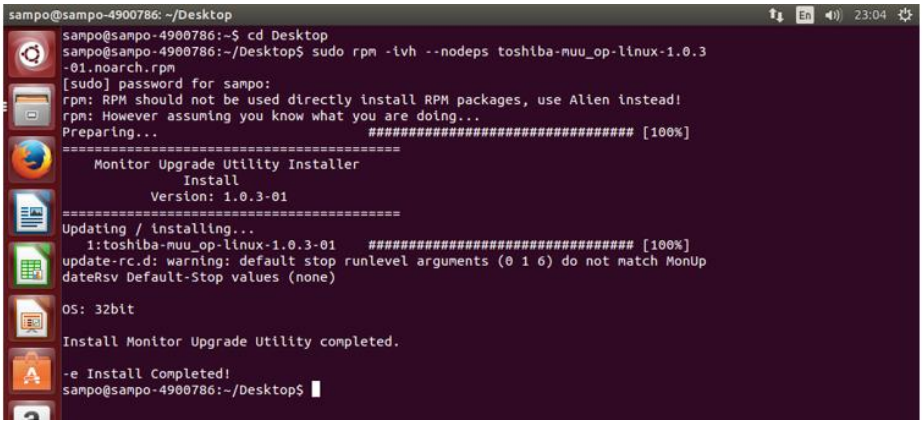
2.1 Installation:

2.1.1. Unzip the file “MUU_V1.0.15_Linux.zip”, you can find 2 folders: Linux folder and License folder.

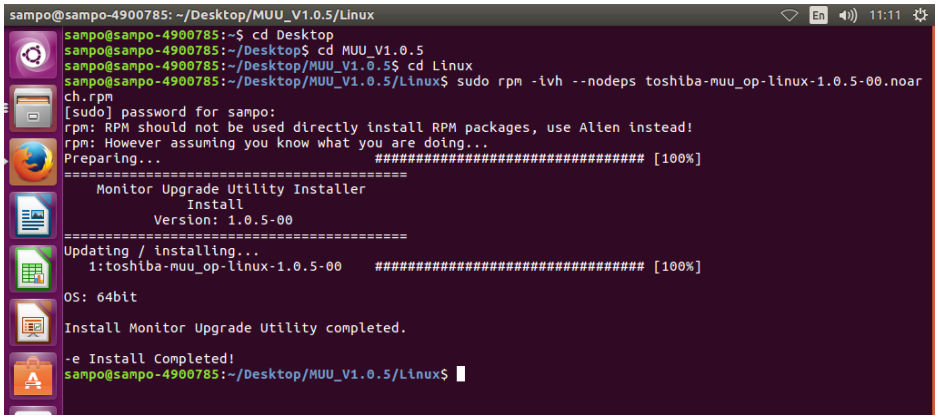
2.1.2 Enter in the Linux folder and run the rpm file as below command:

sudo rpm -ivh --nodeps toshiba-muu_op-linux-1.0.15-00.noarch.rpm (below picture is an example picture only, not the 1.0.15 version)

32Bit Environment:

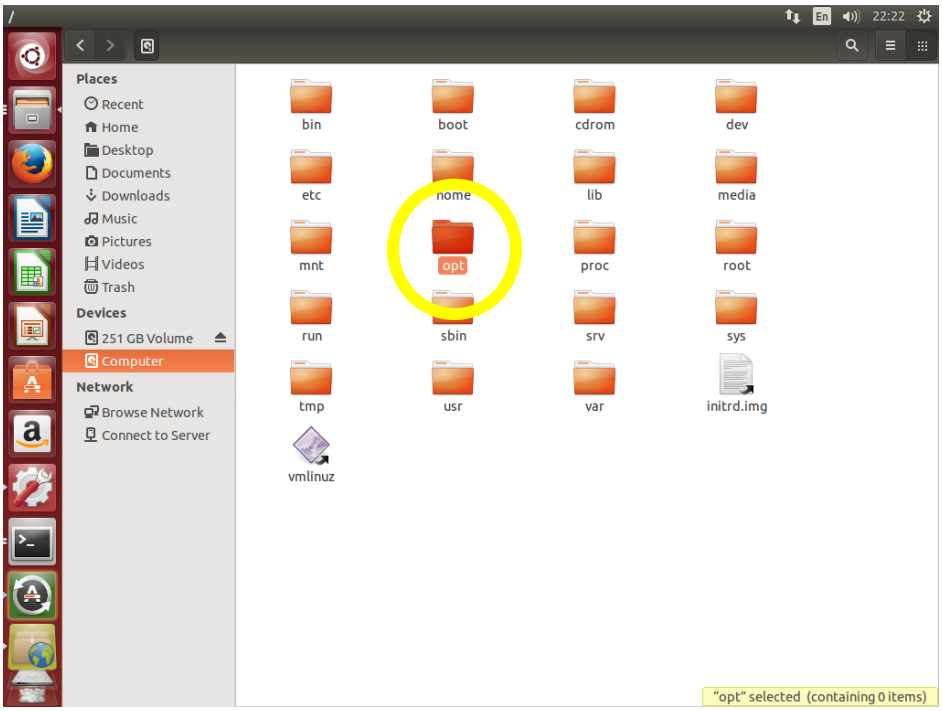


64Bit Environment:

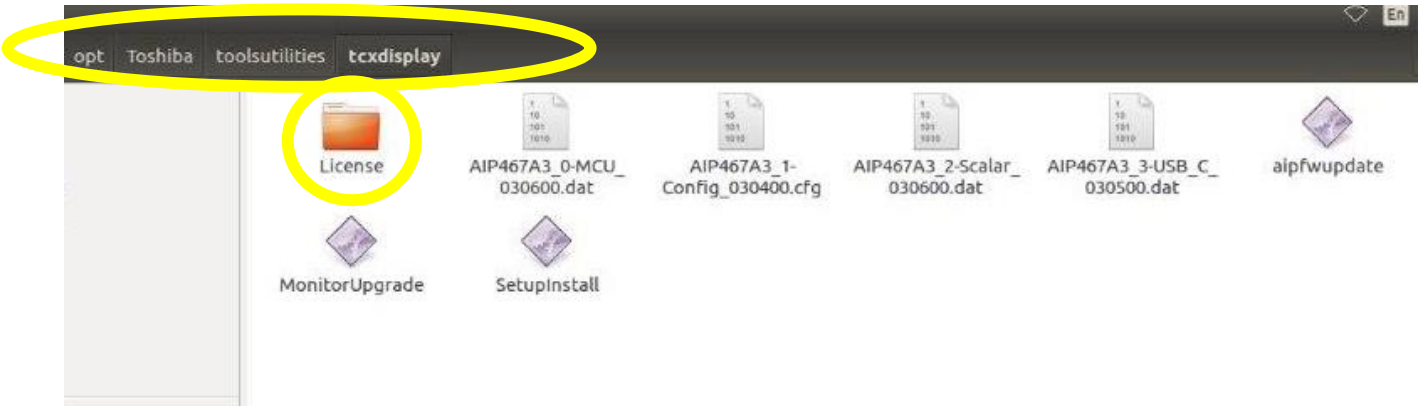


2.1.3 Installation complete and check the below path with the FW dat files:

/opt/Toshiba/toolsutilities/tcxdisplay



Also you can find the License folder is built as below to place the multi-language license files.

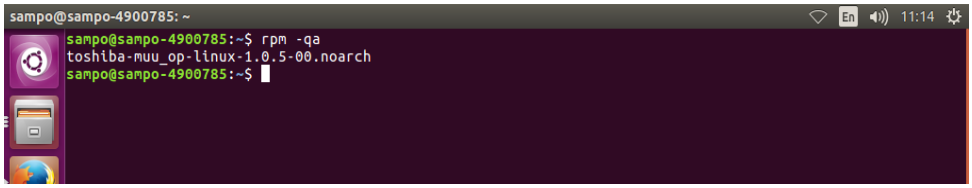


Reboot the host system and the MUU will start the FW update.

3. Utility Uninstallation Process:

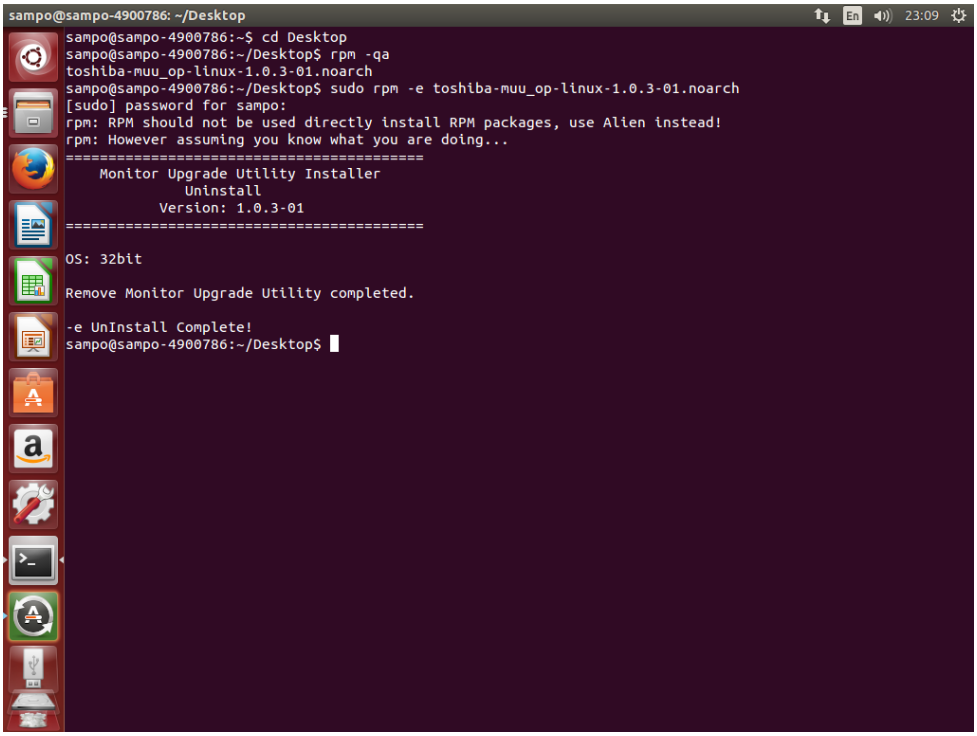
1. Uninstallation command: (reference pictures for the uninstallation process is only an example, not the V1.0.15 version.)

   rpm -qa //Check the RPM package name



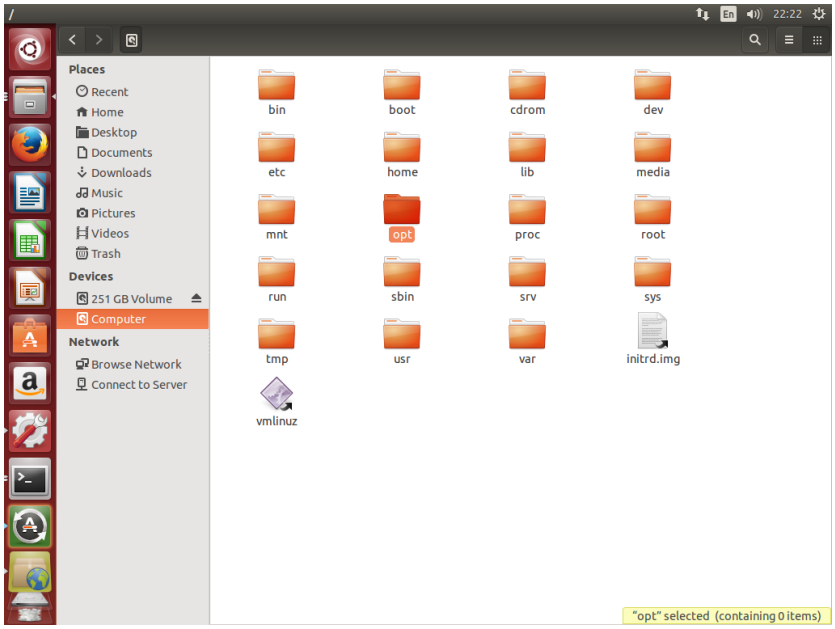
   sudo rpm -e toshiba-muu_op-linux-1.0.15-00.noarch //remove rpm

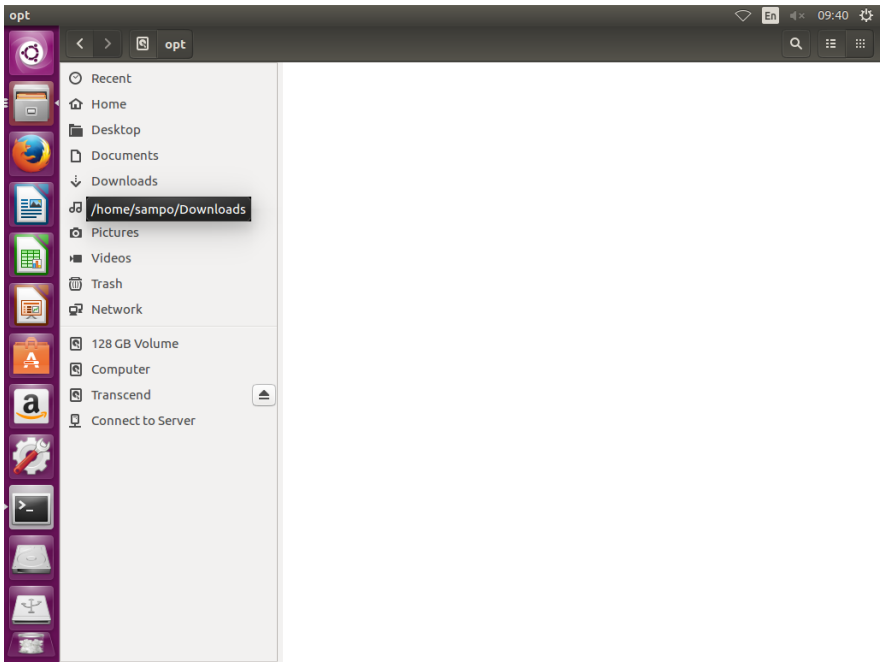
   32Bit Environment:



   64Bit Environment:

2. After uninstallation is completed, check the folder “/opt/Toshiba/toolsutilities/tcxdisplay” is no any data.





4. Troubleshooting: Recovery of firmware update disruption.

Firmware flashing will be disrupted when there is power disruption to monitor or host system where the monitor is connected.
Example:
(i) Power shut down of host system during the FW update.

(ii)Unplug of USB plus power 12V/5V cable from monitor during the FW update.

(iii) Unplug of DC 12V cable from monitor during the FW update

To recover/resume the firmware update, User needs to reboot the host system upon the recovery of the power disruption. MUU will carry out the firmware update to the component(s) where last disruption occurs.

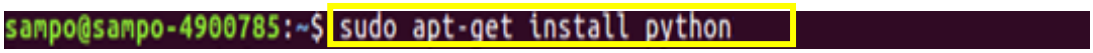
5. Monitor Update Utility support the Command Line Interface (CLI):

Monitor Update Utility can support the command line interface. Regarding the detail command list and the usage description, please refer to the document: “MonitorUpgrade Command Line Interface Specxxx.txt”.

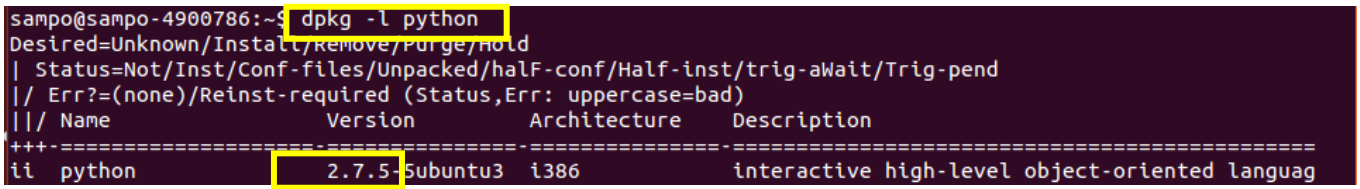
APPENDIX A:

How to install the required Python version (2.6 or upper version)

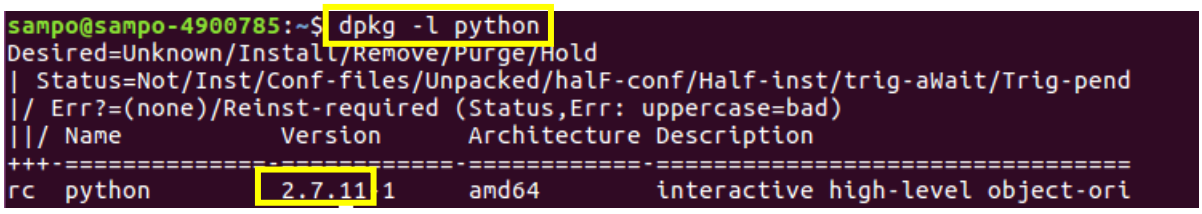
1. Connect the host with the internet and Run with the command to download the Python program: "sudo apt-get install python" as below screenshot: (Ubuntu 32 or 64 bit Environment)



2. Check the python version with the command and need to be 2.6 or upper version : "dpkg –l python"
   (The below showing example is version 2.7.5 in 32 bit and version 2.7.11 in 64 bit and it is upper than 2.6, so this version is ok.)
   (32 bit Environment)



   (64 bit Environment)

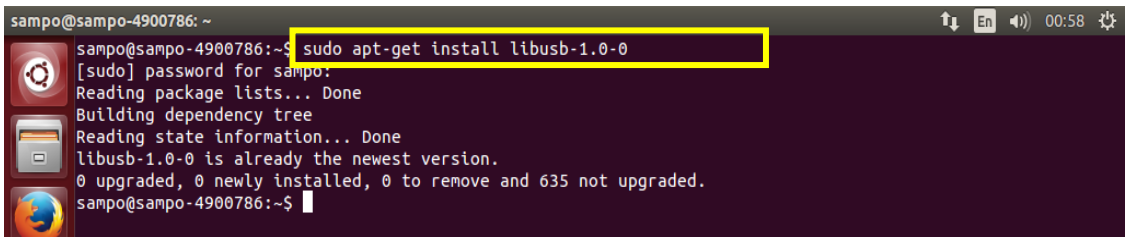


APPENDIX B:

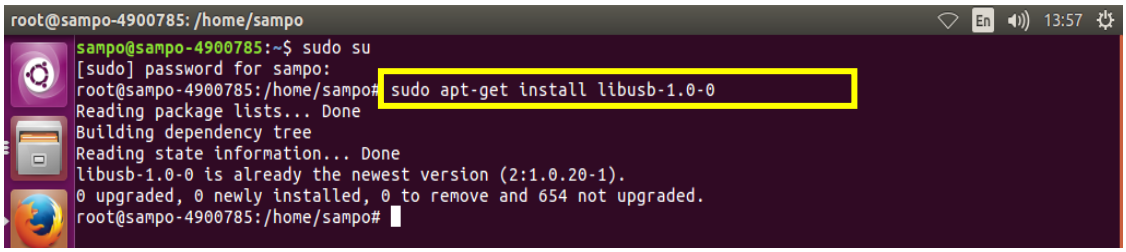
How to install the required libusb version (1.0.8 or upper version)

1. Connect the host with the internet and Run with the command: "sudo apt-get install libusb-1.0-0" as below screenshot: (it can download the latest version and will be upper than 1.0.8 version)

   32Bit Environment:

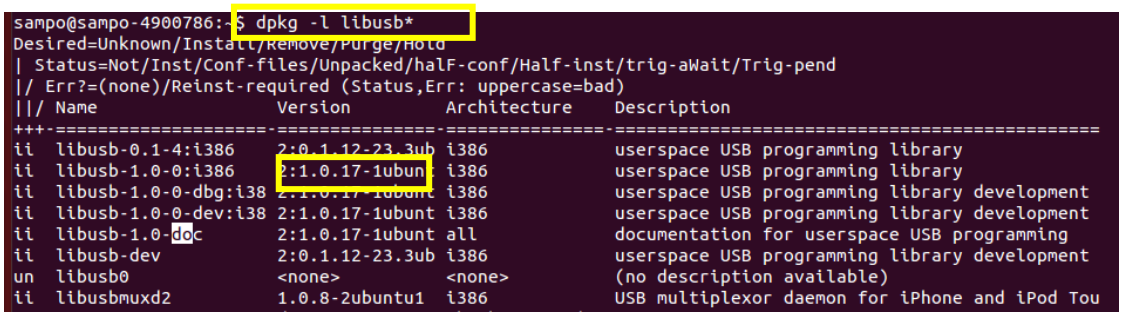


   64Bit Environment:



2. Check the libusb version with command: "dpkg -l libusb*" to confirm the version is upper than 1.0.8.

   32Bit Environment:



   64Bit Environment: