**BLUETOOTH Basic Guide**

***Starter’s Guide:***

The following are the packages that you need to install to get hands on bluetooth

sudo apt-get install blueman bluez-utils bluez-tools bluez bluetooth bluez-hcidump libglib2.0-dev

sudo apt-get install libbluetooth-dev

***Hands on Bluetooth tools Guide:***

Following are the tools that mostly we use it.

* Use “hciconfig” to get status of bluetooth.
* Use “hcitool” to get bluetooth devices list.
* Use “hcidump” to get logs on bluetooth.
* Use “bluetoothctl” to initiate the commands like “power on”, “power off”, “scan on”, “scan off” etc...,
* To stop default bluetooth(if any), use the following command

sudo service bluetooth stop

start

restart

***Open Source Bluetooth Package Guide:***

An open source of bluetooth source code (bluez) is available at the following link where you can get the source code for the above tools

<http://www.bluez.org/download/>

Download the latest bluez source code (as of now bluez 5.45 is available) and compile by following the below procedure

* Unzip or Extract the bluez package
* Go to the bluez folder location in the command line interface, run the following commands to compile the bluez package

sudo ./configure

sudo make

**Note:** Install the following packages before compiling bluez 5.xx(open source code)

sudo apt-get install libglib2.0-dev  
 sudo apt-get install dbus-1-dev  
 sudo apt-get install libusb-dev   
 sudo apt-get install libudev-dev  
 sudo apt-get libical-dev

sudo apt-get install libreadline-dev