IoT Server SETUP

Jinchuan. Bao

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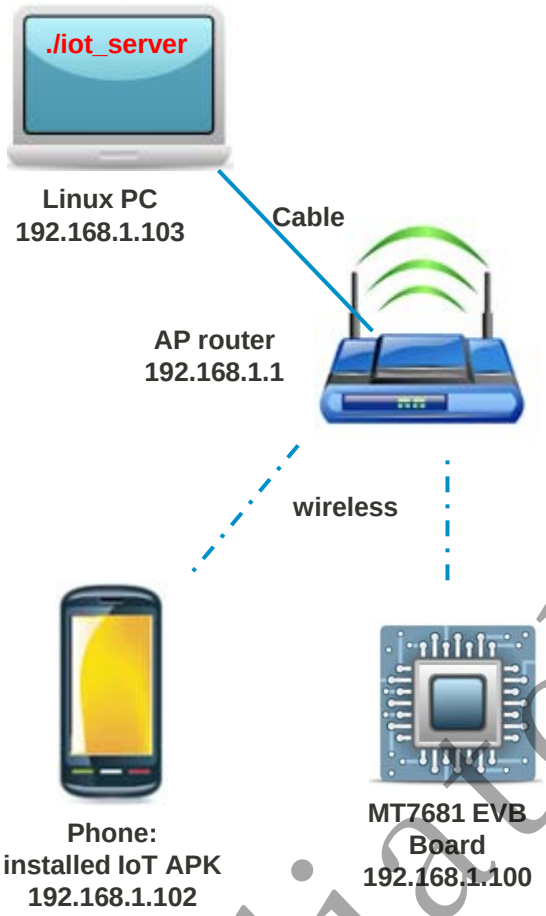
IoT Server Setup & Operation

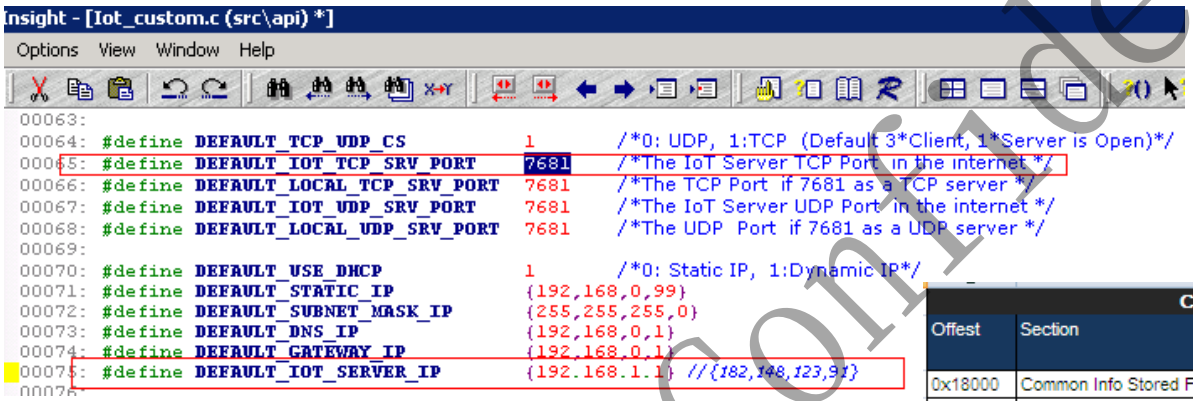


- Step1: Create Network as the picture on the left of this page
  PC, Phone, MT7681 connected to AP router and got IP
- Step2: Execute **./iot_server** in Linux PC to run the iot server
- Step3: Open APK: IoT Manager v0.94_1 on the phone
  - Select NetType: WAN
  - Set IoT Server: as Linux PC's IP address
  - Click Button "Init Server"
  - Input MT7681's MAC Address to "Friend ID" Text filed
  - Click Button "Add" to add this MT7681 device in to Friend list
- Step 4: Click Button "Query Clients"
  - APK will show the control panels for the device which be set in APK's friend list

MT7681 IoT Server Setting

- IoT Server IP address and TCP port need to be set to MT7681
  Once MT7681 connect AP and assigned IP address, MT7681 will create TCP connection with IoT server.

The default settings about IoT server IP address and TCP server port:



The Offset IoT Server IP address and server Port stored in the Flash

Common Config (0x11000)

Offest	Section	Size (Byte)	DEC Offset
0x18000	Common Info Stored Flag	1	0
0x18001	Boot Firmware Index:	1	1
0x18002	Firmware Update Status	1	2
0x18003	I/O Mode select	1	3
0x18004	Reserved 1	20	4
0x18018	Uart Baudrate	4	24
0x1801C	Uart Data bits	1	28
0x1801D	Uart Parity bits	1	29
0x1801E	Uart Stop bits	1	30
0x1801F	Reserved 2	20	31
0x18033	TCP/UDP, Sever/Client Select (Bitmap)	1	51
0x18034	TCP Server Port (2Bytes)	2	52
0x18036	TCP Client Port (2Bytes)	2	54
0x18038	UDP Server Port (2Bytes)	2	56
0x1803A	UDP Client Port (2Bytes)	2	58
0x1803C	IP Type select (0:Static / 1: Dynamic)	1	60
0x1803D	Static IP	4	61
0x18041	Subnet Mask (4 Bytes)	4	65
0x18045	DNS Server IP (4 Bytes)	4	69
0x18049	Gateway IP (4 Bytes)	4	73
0x1804D	IoT Server IP (4 Bytes)	4	77
0x18051	IoT Sever Domain Name (128 Bytes)	128	81
0x180D1	Reserved 3	20	209
0x180E5	Cmd_Password (4 Byte)	4	229
0x180E9	Reserved 4	x	233