

# BT下载机

## 3120104385 徐中豪 CS1202

做一个BT下载机，能下载BT和emule的资源，要有远程控制方式（web或专用端口）

### 实现目的

- 1 掌握通过Acadia或RPi或WRTnode对网络文件进行访问的方法；

### 实验器材

#### 硬件

- Acadia或RPi或WRTnode板一块；
- 5V/1A电源一个；
- microUSB线一根；
- USB-TTL串口线一根（FT232RL芯片或PL2303芯片）。

以下为自备（可选）器材：

- PC（Windows/Mac OS/Linux）一台；
- 以太网线一根（可能还需要路由器等）。

#### 软件

- PC上的USB-TTL串口线配套的驱动程序；
- PC上的串口终端软件，如minicom、picocom、putty等；
- PC上的SSH软件，如putty等。

### 实验步骤

#### 1、安装文件

```
apt-get install transmission-daemon
```

```
armhf 2.52-3+nmu1 [1,040 kB]
Fetched 1,599 kB in 17s (90.2 kB/s)
Selecting previously unselected package libminiupnpc5.
(Reading database ... 64609 files and directories currently installed.)
Unpacking libminiupnpc5 (from .../libminiupnpc5_1.5-2_armhf.deb) ...
Selecting previously unselected package libnatpmp1.
Unpacking libnatpmp1 (from .../libnatpmp1_20110808-3_armhf.deb) ...
Selecting previously unselected package transmission-common.
Unpacking transmission-common (from .../transmission-common_2.52-3+nmu1_all.deb)
...
Selecting previously unselected package transmission-daemon.
Unpacking transmission-daemon (from .../transmission-daemon_2.52-3+nmu1_armhf.deb) ...
Selecting previously unselected package minissdpc.
Unpacking minissdpc (from .../minissdpc_1.1.20120121-1_armhf.deb) ...
Selecting previously unselected package transmission-cli.
Unpacking transmission-cli (from .../transmission-cli_2.52-3+nmu1_armhf.deb) ...
Processing triggers for hicolor-icon-theme ...
Processing triggers for man-db ...
Setting up libminiupnpc5 (1.5-2) ...
Setting up libnatpmp1 (20110808-3) ...
Setting up transmission-common (2.52-3+nmu1) ...
```

## 2、配置

进入程序目录：

```
cd /etc/transmission-daemon/
```

结束相关进程

```
root@raspberrypi:/home/pi# cd /etc/transmission-daemon/
root@raspberrypi:/etc/transmission-daemon# killall transmission-daemon
root@raspberrypi:/etc/transmission-daemon# killall transmission-daemon
transmission-daemon: no process found
root@raspberrypi:/etc/transmission-daemon# █
```

修改权限和配置文件：

```
root@raspberrypi:/etc/transmission-daemon# chmod -R 777 /etc/transmission-daemon
/
root@raspberrypi:/etc/transmission-daemon# █
```

nano setting.json

```
{
  "alt-speed-down": 50,
  "alt-speed-enabled": true,
  "alt-speed-time-begin": 540,
  "alt-speed-time-day": 127,
  "alt-speed-time-enabled": false,
  "alt-speed-time-end": 1020,
  "alt-speed-up": 50,
  "bind-address-ipv4": "0.0.0.0",
  "bind-address-ipv6": "::",
  "blocklist-enabled": false,
  "blocklist-url": "http://www.example.com/blocklist",
  "cache-size-mb": 4,
  "dht-enabled": true,
  "download-dir": "/var/lib/transmission-daemon/downloads",
  "download-limit": 100,
  "download-limit-enabled": 0,
  "download-queue-enabled": true,
  "download-queue-size": 5,
```

## 加载配置重启

停止服务: `sudo service transmission-daemon stop`

加载配置: `sudo service transmission-daemon reload`

启动bt下载: `sudo service transmission-daemon start`

```
Setting up libminiupnpc5 (1.5-2) ...
Setting up libnatpmp1 (20110808-3) ...
Setting up transmission-common (2.52-3+nmu1) ...
Setting up transmission-daemon (2.52-3+nmu1) ...
[ ok ] Starting bittorrent daemon: transmission-daemon.
Setting up minissdpd (1.1.20120121-1) ...
Setting up transmission-cli (2.52-3+nmu1) ...
root@raspberrypi:/home/pi# cd /etc/transmission-daemon/
root@raspberrypi:/etc/transmission-daemon# killall transmission-daemon
root@raspberrypi:/etc/transmission-daemon# killall transmission-daemon
transmission-daemon: no process found
root@raspberrypi:/etc/transmission-daemon# chmod -R 777 /etc/transmission-daemon/
root@raspberrypi:/etc/transmission-daemon# ls
README.json  settings.json
root@raspberrypi:/etc/transmission-daemon# nano settings.json
root@raspberrypi:/etc/transmission-daemon# nano settings.json
root@raspberrypi:/etc/transmission-daemon# service transmission-daemon stop
[ ok ] Stopping bittorrent daemon: transmission-daemon.
root@raspberrypi:/etc/transmission-daemon# service transmission-daemon reload
[ ok ] Reloading bittorrent daemon: transmission-daemon.
root@raspberrypi:/etc/transmission-daemon# service transmission-daemon start
[ ok ] Starting bittorrent daemon: transmission-daemon.
root@raspberrypi:/etc/transmission-daemon#
```

这样即可通过80端口访问 树莓派IP地址/transmission进程下载控制。