



Assignment 2 RTSP Client



Command Line Options

```
./RTSPClient -t 10.10.3.4:8866 -m song.wav -s msgLog.txt -r rtpDmp.rtp
```

- ▶ Target RTSP server address **(-t)**
- ▶ Media File Name(the client is interested in) **(-m)**
rtsp://130.233.x.y:8866/**song.wav**
- ▶ File Name where signalling messages are dumped (-s)
- ▶ File Name where media data(RTP packets) are dumped(-r)



Sample Interaction

- (i) Client ---- sends OPTIONS ---> Server
The first line of the OPTIONS message contains
<rtsp://10.10.3.4:8866/song.wav>
- (ii) Client ---- sends DESCRIBE ---> Server
The response from server carries SDP message with
connection and media parameters
- (iii) Client ---- sends SETUP ---> Server
This interaction carries information related to media port
no.
- (iv) Client ---- sends PLAY ----> Server
The server starts sending the media streams
For all the valid RTSP requests server responds with 200 OK



Others...

- ▶ An RTSP Server Would be run by Netlab
 - ▶ Message would be posted in newsgroup, once it is UP
 - ▶ The Final third assignment is a **proper extension** to the second assignment. So, build it in a way that it can be extended.
 - ▶ An Initial Overview of the third assignment:
 - A SIP Client(ex: kphone) need to talk to
your program(Task-3) and the media stream from the RTSP
server need to be directed to the SIP client.
(a kind of **dial-a-song** service)
- RTSP Server <--> [Task-2 + Task-3] <-----> SIP Client**
- ▶ More information would be provided when announcing the
third assignment.