

Framework for IPv4/IPv6 Multicast Translation

draft-venaas-behave-v4v6mc-
framework-01.txt

Changes since 00

- Two new co-authors
- Expanded text on addressing and how translation works
- Text on SDP files and DNS
 - SDP is the most common way to specify which multicast groups to join
 - It might be helpful to translation if we could specify a domain name instead of a literal address
 - Just like it is helpful to use DNS instead of literals for unicast

SDP example

```
v=0
o=mhandley 2890844526 2890842807 IN IP4 126.16.64.4
s=SDP Seminari=A Seminar on the session description
  protocol
u=http://www.cs.ucl.ac.uk/staff/M.Handley/sdp.03.ps
e=mjh@isi.edu (Mark Handley)
c=IN IP4 224.2.17.12/127
t=2873397496 2873404696
a=recvonly
m=audio 49170 RTP/AVP 0
m=video 51372 RTP/AVP 31
m=application 32416 udp wb
a=orient:portrait
```

SDP files and DNS

- The multicast address to use is in this case specified as
`c=IN IP4 224.2.17.12/127`
- Applications are also supposed to handle DNS, not clear whether all do. This would become say
`c=IN IP4 mc.example.com/127`
- We have a problem, IPv4/IPv6 is hardcoded
- Name is expected to resolve to a name of the specified family
- If names of multiple families are returned, one should use the specified one
- Need to translate SDP
 - Either ALG or in application