

SDP and multicast scoping

(draft-perkins-sdp-scoping-00.txt)

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Problem...

- SDP contains a multicast address

```
c=IN IP4 224.2.17.12/127
```

- That address is not necessarily globally unique
 - may be reused if admin scoping is in use
- Can't tell from the SDP if the address is valid in a particular scope zone

Solutions...

- Announce the session with SAP
 - uses the same scope as the media
 - can receive the data if you get the announcement
 - not always suitable
- Include a “scope identifier” in the session description

```
c=IN IP4 224.2.17.12/127
```

```
a=zone:foo
```

How to choose the scope identifier?

- MZAP has a scope name
 - for “human convenience”
 - optional, language dependent
 - not necessarily unique
- Would require...
 - mandatory scope names
 - an allocation policy/registry

How to choose the scope identifier?

- MZAP zone ID
 - unique, but may change with time
 - may be static enough?
- Probably the best option we have right now

Concluding

- Is this a problem we need solve?
- Is using the zone ID sufficient?
- Any other alternatives?
 - Include list of all border routers in the SDP?
 - May be easier to solve if the source and receiver are in the same scope?