

# Address selection in multihomed environments

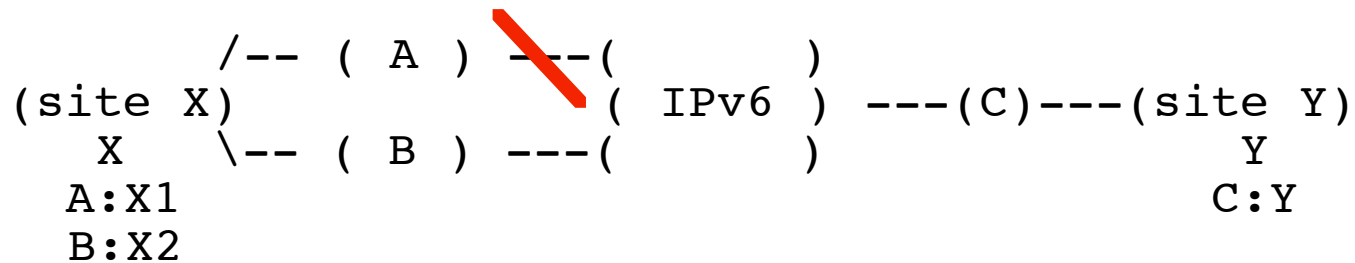
multi6 wg meeting - IETF 61

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# Scenario

```
(site X) /-- ( A ) ---( )
          \-- ( B ) ---( IPv6 ) ---(C)---(site Y)
          X      Y
          A:X1   C:Y
          B:X2
```

# Problem



When Y initiates, dest addr sel  
some degree of support (app)  
When X initiates, source addr sel  
not currently supported

# Goals

- mechanisms for the MH host to allow it to initiate new communications after an outage
- No changes to external hosts

# Possible approaches

- Proactive mechanisms:  
selecting the proper address
  - Direct link failure: deprecate through RADV
  - Other failure modes: server learns information through BGP
- Reactive mechanisms: trial and error by the host
  - Retyry with different source address
  - Who does the retrieval? app, IP, try all at once?