ADD-PATH limit capability
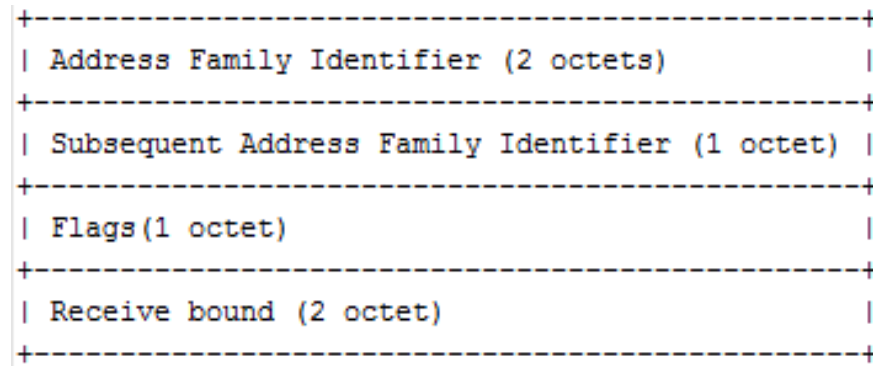# draft-francois-idr-addpath-limit-00

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Introduction

- Context
  - Add-path / RS
  - eBGP

  (draft-francois-idr-rs-addpaths-00)

- Resource preservation for RS clients

- New capability
  - Maximum number of paths per NLRI that the receiver wants to receive
  - Currently: send / receive

Operation

- BGP capability:

```
+--------------------------------------------------+
| Address Family Identifier (2 octets)             |
+--------------------------------------------------+
| Subsequent Address Family Identifier (1 octet)   |
+--------------------------------------------------+
| Flags(1 octet)                                   |
+--------------------------------------------------+
| Receive bound (2 octet)                          |
+--------------------------------------------------+
```

  - Sender signals its ability to limit the number of paths that it can send to the receiver (1 bit in flags)
  - Receiver signals a limit on paths it wants to receive from the sender

- Error conditions

Comments received

- A capability makes it mandatory to restart the session if the path-limit changes
  - ORF as an alternative to a new capability?
  - Dynamic capability?
- How would the IXP select the paths?
  - currently left for the implementation
- Signal a limit on the total number of prefixes that a receiver wants to get?

Questions/Comments
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