SRv6 for Mobile User-Plane

draft-ietf-dmm-srv6-mobile-uplane-06

IETF106

S.Matsushima, C.Filsfils, M.Kohno, D.Voyer, C.Perkins, P.Camarillo

Summary of Updates from v05 to v06

- Removed SRH insertion from draft

Summary of Updates from v06 to v07

- Added Drop-In mode
  - End.M.GTP6.D.Di
- Editorial updates
  - Terminology
  - Changes to improve readability
  - Updated references
- Removed support for Unstructured PDUs
  - Unstructured PDUs require a new Next Header IP Protocol Number
  - If required it can be added.

Drop-in Mode

```
                              +----+
                             -| S1 |-
+----------+                / +----+ \
| UPF2a/gNB |-      SRv6 /      SRv6    \ +----+   +------+     +------+
+----------+ \        [N9]/       VNF    -| C1 |---| UPF1b|------| UPF2b |
   GTP        \ +------+ /                +----+   +------+     +------+
             -| UPF1a|-                    SRv6    SR Gateway-B    GTP
              +------+                       TE
             SR Gateway-A
```
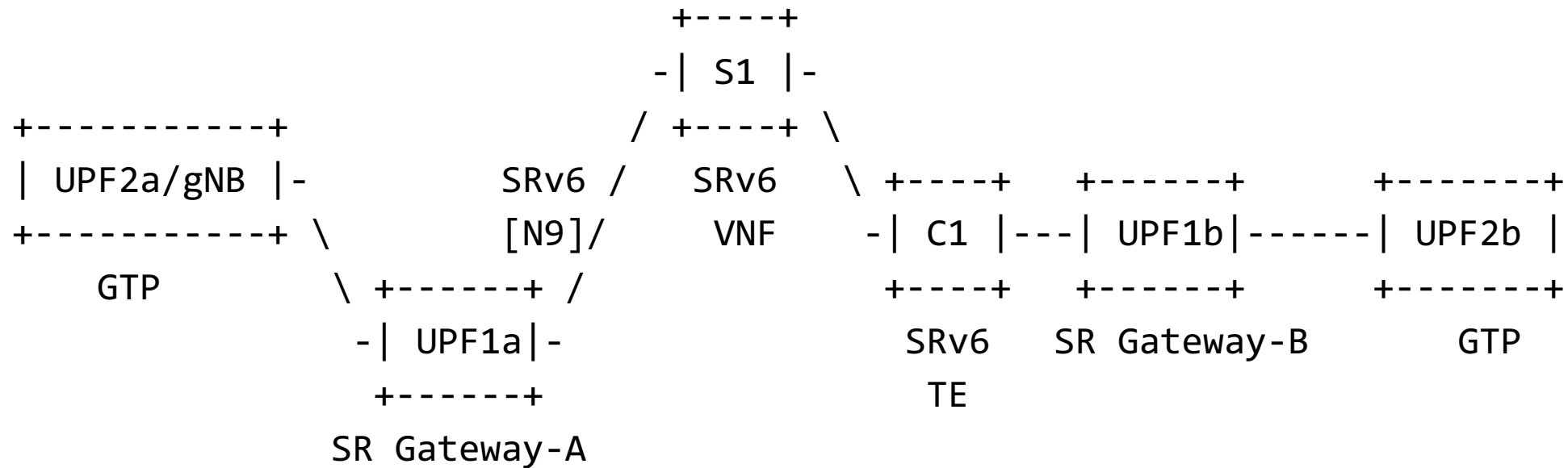
Figure 7: Example topology for SRv6 Drop-in

Feedback from Hackathon@IETF106

- Excellent progress!
  - The code for VPP that has been progressed throughout several IETFs is now finalized. This draft has been fully implemented.
  - Suggestion to introduce new variants that combine End.GTP6.D with per table lookups
  - We are ongoing Gerrit review to submit to VPP repositories as a plugin available for everyone ☺

Next steps

- Working Group Last Call

Thank you

Questions and comments?