

# draft-ietf-detnet- architecture

Status update

Detnet working group, Prague, July, 2017

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# Changes to architecture draft from -01 to -02

- Previous version (-01) uploaded 2017-03-13.
- Current version (-02) uploaded 2017-06-29.
- Major changes (01 to 02):
  - Chunks of text were moved around:
    - Coexistence and Fault mitigation moved from 4.x  $\Rightarrow$  3.3.x.
    - 4.1 and 4.2 reorganized to incorporate the former 4.8.
  - A few chunks were added
    - A new section 4.1.2 Detnet data plane overview was added.
    - A new section 4.2.2. DetNet edge, relay, and transit nodes was added.
    - A new section 5.4. Packet encoding for service protection was added.
- All changes were for clarity. No substantive changes to architecture.

# Where we are?

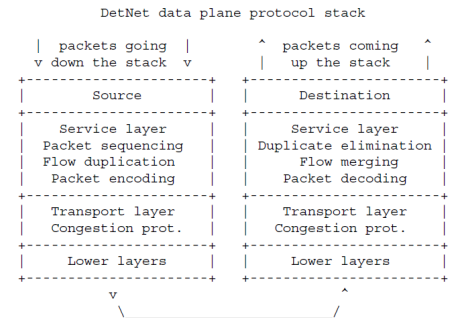
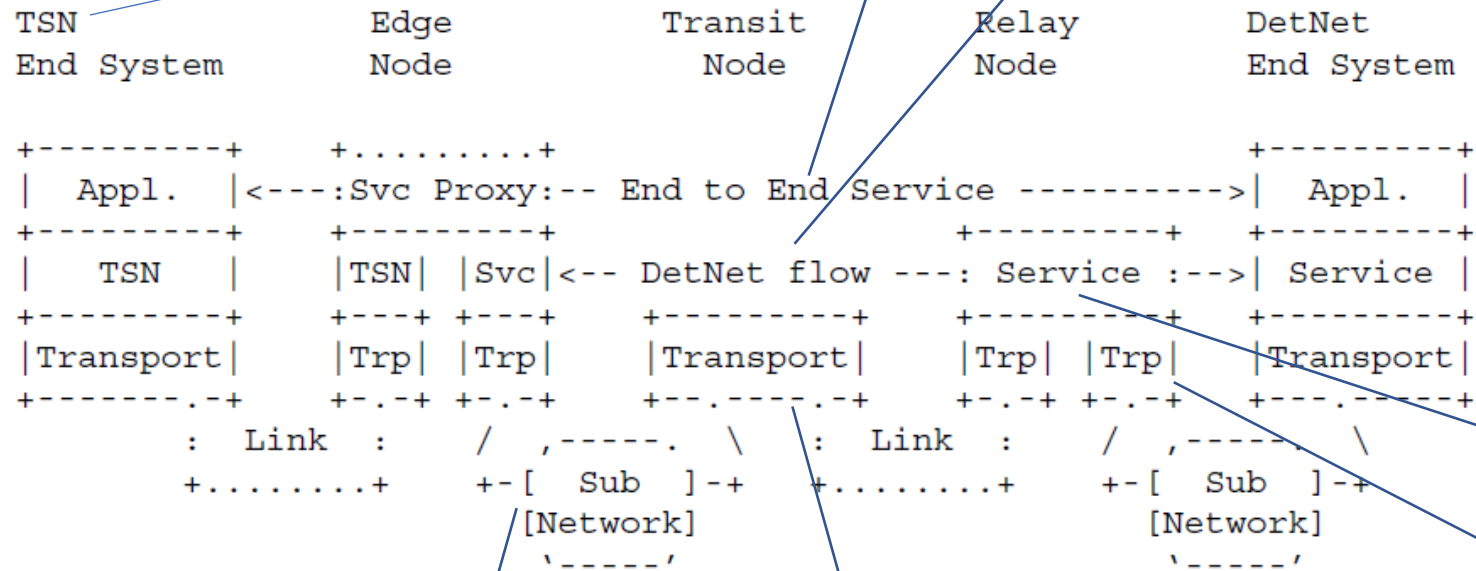
## Arch. components defined ...

- Some more:
- 4.8. Advertising resources, capabilities and adjacencies
  - 4.9. Provisioning model
  - 4.10. Scaling to larger networks
  - 4.11. Connected islands vs. networks
  - 4.12. Compatibility with Layer-2

4.2. DetNet systems  
(End systems, Edge, Relay, Transit)

3. Providing the DetNet Quality of Service (goals, mechanisms)

4.3. DetNet flows



4.7. Flow identification at technology borders

4.5. Queuing, Shaping, Scheduling, and Preemption

4.1. DetNet stack model

4.6. Service instance

4.4. Traffic Engineering for DetNet

# Open questions section

- Used to highlight some further work items of WG identified during architecture work
  - 5.1. Flat vs. hierarchical control: control plane
  - 5.2. Peer-to-peer reservation protocol: signaling
  - 5.3. Wireless media interactions: link technologies
  - 5.4. Packet encoding for service protection: further DetNet functions
- Considered not to be part of the architecture document

# Document has been stable for a while

- Design team does not anticipate any significant changes.
- Authors suggest that
  - Remove section 5.
  - It's time for WG last call