Resource Management in Service Chaining

draft-irtf-nfvrng-resource-management-service-chain-03

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Comments and Changes since IETF-94

- Timescales for optimization
  - (by flow but event-driven at failure or adaptation)
  - → need to address in the framework

- conflated terms VM and VNFC
  - editorial changes in the text, “VM class”
  - → need to further refine the system model

- added constraints into system models
  - Network traffic conservation constraints
    - traffic within a NFP, in the ratio of TFR (traffic flow distribution ratio among NFPs)
  - Network traffic processing order constraints
    - traffic processing order of VNF instances as specified in NFP
  - Link and processing capacity constraints
    - limit the traffic within the capacities of VNF & VL instances
Next Steps

- Refine the system model
- Build a framework and heuristic algorithms for prototyping
- Merging into `draft-irtf-nfvrge-policy-based-resource-management`
  - for architectural considerations, examples, framework