Realizing Network Slices in IP/MPLS Networks

draft-bestbar-teas-ns-packet-03

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Agenda

• Updates

• Next steps
Updates

• New co-author has joined
  • Reza Rokui (Nokia)

• Received positive reviews/feedback from several WG participants
  • Zafar Ali (Cisco) will be joining the draft

• Meetings with editor of [I-D.ietf-teas-ietf-network-slices]

• Meetings with authors of [I-D.ietf-teas-enhanced-vpn]

• Updates to I-Ds:
  [I-D.bestbar-teas-ns-packet]
  [I-D.bestbar-teas-yang-slice-policy]
Meetings with editor of [I-D.ietf-teas-ietf-network-slices]

• Discussed and produced a common set of procedures for the workflow between the different components to realize IETF network slice service

• Next step is to either reference the common procedures if incorporated into [I-D.ietf-teas-ietf-network-slices] or directly incorporate into our document [I-D.bestbar-teas-ns-packet]
Meetings with authors of [I-D.ietf-teas-enhanced-vpn]

• Discussions on alignment of goals for VTN and Slice Aggregates when used to realize IETF network slices
• Agreed on the need for a “new term” for the aggregate construct to be used when realizing IETF network slices
  • Proposal is to have it defined in [I-D.ietf-teas-ietf-network-slices]
• Both [I-D.ietf-teas-enhanced-vpn-draft] and [I-D.bestbar-teas-ns-packet] drafts to reference the "new term" in [I-D.ietf-teas-ietf-network-slices] in their solution to realize IETF network slices
• Common protocol extensions and YANG data models will refer to the "new term"
  • Both [I-D.ietf-teas-enhanced-vpn-draft] and [I-D.bestbar-teas-ns-packet] and other relevant drafts to reference the same protocol extensions and YANG data models as needed
Updates to [I-D.bestbar-teas-yang-slice-policy]

• New data node for LSP `forwarding label` inferred Slice Selector

• Topology filters:
  • Wider applicability to other applications
  • Moved to new module in a separate document [I-D.bestbar-teas-yang-topology-filter]

• ‘member-topologies’ data node in the slice policy YANG data model references topology-filters defined in [I-D.bestbar-teas-yang-topology-filter]
Next Steps

• The authors would like to re-iterate that the document is ready for WG adoption

• We welcome further review and feedback from the WG