UNI Extensions for Diversity and Latency Support

draft-fedyk-ccamp-uni-extensions-03

IETF 88 – CCAMP WG

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Agenda

• Updates from 02 to 03 version
  – New: multi-domain aspects
• Single and multi-domain use cases
• Next steps
Updates from 02 to 03 version

• Diversity part for dual-homed CEs:
  – Section on multi-domain aspects added:
    • Subdividing identifier space
    • Scoping ID space to domains utilizing the domain sub-object defined in draft-ietf-ccamp-rsvp-te-domain-subobjects-00

• Latency part:
  – No updates

• Draft fairly stable
Single domain diversity use case (SRLG example)

Exchange of SRLG ID list for disjoint LSPs via source CE node
Multi-domain diversity use case (sharing a single SRLG ID space)

Shared SRLG ID Space

SRLG ID Range A

SRLG ID Range B

SRLG ID Range C

SRLG ID Range D

Disjoint SRLR ranges for domains A, B, C, and D
Multi-domain diversity use case
(Scoping the SRLG ID space to domains)

SRLG IDs scoped by pre-pended domain ID subobject in RSVP message:
SRLG_IDs(LSP₁) = [domain_sub-object(D_A), SRLG_IDs(D_A)], [D_B], [D_C]
Next Steps

• Solicit feedback/comments from the group
• Further completion/refinement → multi-domain part
• Collaboration with authors working on other GMPLS UNI/overlay model related drafts discussed in this CCAMP session
• Ready for WG adoption
Thank You!