

draft-ccamp-lsp-diversity-01.txt

CCAMP - IETF 86 – Orlando

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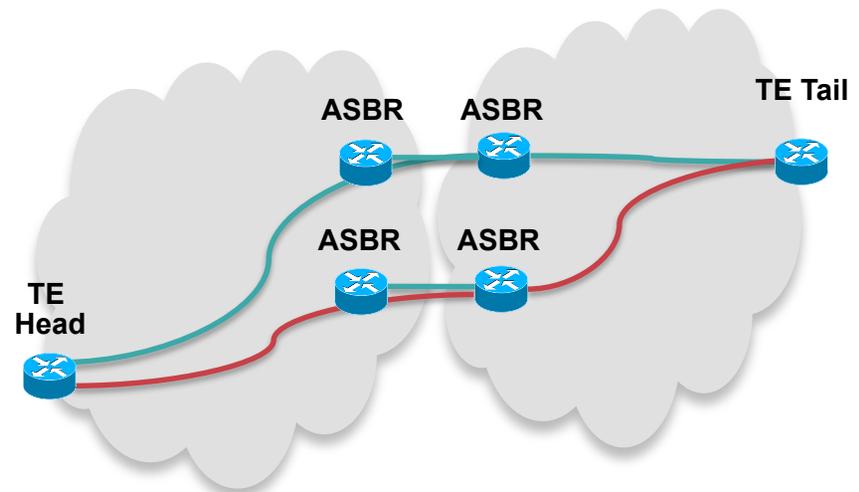
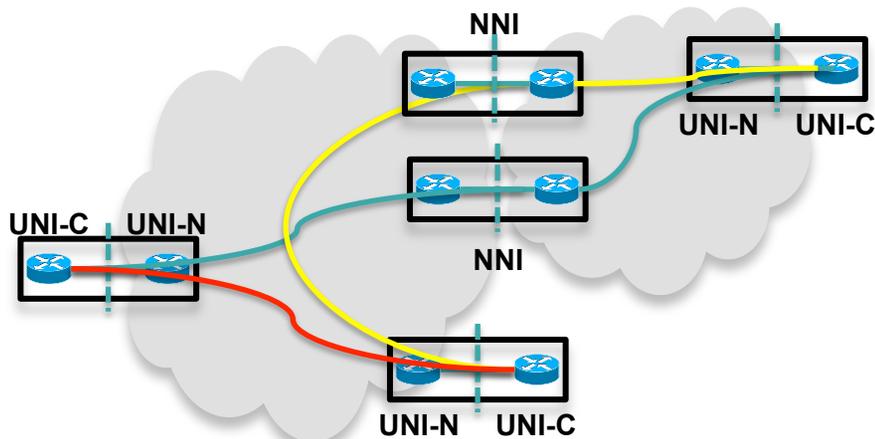
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Overall Problem Space

- Between areas, ASes, across UNIs and NNIs, visibility of TE Database information is limited
- The aim is to allow path diversity across such boundaries, while respecting that not information can or will be shared
- This draft pertains especially to boundaries where policy limits information flow
- E.g. at a UNI where the operator limits visibility into the network



Route Diversity using Exclude Routes

- Accepted as a WG document
- V-01 is a fairly major rewrite, not to change functionality, but to enhance readability
- Changed the name of the subobject from LSP to PATH
 - Subobject may represent
 - The path of a particular LSP or
 - The path of a tunnel
- Consistently call the ends source and destination (eliminated use of ingress / egress)

Clarified changes to the Path excluded

- If loose “L” bit is not set, processing node MUST send a Error* message notifying the source; the Path_State_Removed Flag is NOT set
- If loose “L” bit is set, processing node SHOULD send a Error* message notifying the source; the Path_State_Removed Flag is NOT set
- * If the processing node is able to find a path that meets all the original constraints, then the error is “Better Path Exists”, otherwise it sends “Route Blocked by Exclude Route” or “Failed to Respect Exclude Route”

Next Steps



- Consider draft nearly ready for last call
- (Chairs) How many have read v-01?
- Solicit comments on list
- Address any comments; final edit pass
- Ask for last call before Berlin