Recoding NextHops

Draft-ietf-hares-idr-nexthop-path-record

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- Simple Idea – path attribute to record nexthops pass through

- Why? Debugging of new forms
- Next BGP forms for I-BGP, EBGP uses
  - Tunnels
  - Seamless MPLS (multiple IGPS under one IBGP)
  - Additional paths, custom decisions

Format and Operations

Optional transitive attribute

Type = NH_Path_Record	length

1-N path segments

Type = NH_Path_Record	length	NextHop

Operations:
- If change the nexthop and feature turned on add-path segment
  - If none already: create Attribute + path-segment
  - If existing, append
- If no feature or no change, leave alone