



Segment Routing Drafts Update

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IDR Segment Routing Drafts

- draft-ietf-idr-bgp-prefix-sid
- draft-ietf-idr-bgppls-segment-routing-epe
- draft-ietf-idr-te-lsp-distribution
- draft-gredler-idr-bgp-ls-segment-routing-ext
- draft-previdi-idr-bgppls-te-metric-extensions
draft-ietf-idr-te-pm-bgp

IDR Segment Routing Drafts

- draft-ietf-idr-bgp-prefix-sid-01
 - Clarification text on SRGB advertisement
 - Updated IANA section
 - Thanks to Eric Rosen for his comments (need to update Ack section).

IDR Segment Routing Drafts

- draft-ietf-idr-bgpls-segment-routing-epe-03
 - Changed title to:
 - Segment Routing BGP Peer Engineering BGP-LS Extensions
 - No more “Egress” since mechanism equally apply to iBGP
 - Update terminology. Now: BGP-PE

IDR Segment Routing Drafts

- draft-ietf-idr-te-lsp-distribution-04
- Major update. Defines:
 - IPv4/IPv6 MPLS TE LSP NLRI
 - Protocol ID:
 - Segment Routing
 - RSVP
 - MPLS TE LSP Descriptors
 - Tunnel Identifier (Tunnel ID)
 - LSP Identifier (LSP ID)
 - IPv4/IPv6 Tunnel Head-End Address
 - IPv4/IPv6 Tunnel Tail-End Address
 - SR-Encap TLV
 - LSP State Information Attribute. Related to Protocol-ID (SR, RSVP)
 - RSVP Objects
 - PCE Objects
 - SR Encap TLVs

IDR Segment Routing Drafts

- draft-gredler-idr-bgp-ls-segment-routing-ext-01
- Re-defined all TLVs (descriptors and attributes) explicitly in the document
 - No longer a pointer to ISIS specs
- Reason: OSPF and IS-IS protocols have different encoding schemes and none of them could be used as a generic scheme for both
- Added section on procedures
 - Advertisement in BGP-LS of OSPF originated SR TLVs
 - Advertisement in BGP-LS of IS-IS originated SR TLVs
- Updated IANA section

IDR Segment Routing Drafts

- draft-ietf-idr-te-pm-bgp
 - WG item expired
 - BGPLS TLVs from ISIS/OSPF TE Metric Extensions
 - References the ISIS draft (now RFC7810)
- draft-previdi-idr-bgpls-te-metric-extensions
 - Mistakenly re-submitted
 - Change: all TE metric extensions TLVS are explicitly defined in BGP-LS
 - No longer a reference to ISIS encoding