IDR - IETF 123, Madrid

Susan Hares shares@ndzh.com

Jeffrey Haas jhaas@juniper.net

Keyur Patel keyur@arrcus.com

Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:

- By participating in the IETF, you agree to follow IETF processes and policies.
- If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.
- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (https://www.ietf.org/contact/ombudsteam/) if you have questions or concerns about this.

Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- BCP 9 (Internet Standards Process)
- BCP 25 (Working Group processes)
- BCP 25 (Anti-Harassment Procedures)
- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
- BCP 79 (Patents, Participation)
- https://www.ietf.org/privacy-policy/(Privacy Policy)

IETF®

Note Really Well

- IETF meetings, virtual meetings, and mailing lists are intended for professional collaboration and networking, as defined in the IETF Guidelines for Conduct (RFC 7154), the IETF Anti-Harassment Policy, and the IETF Anti-Harassment Procedures (RFC 7776). If you have any concerns about observed behavior, please talk to the Ombudsteam, who are available if you need confidentiality to raise concerns confident about harassment or other conduct in the IETF.
- The IETF strives to create and maintain an environment in which people of many different backgrounds and identities are treated with dignity, decency, and respect. Those who participate in the IETF are expected to behave according to professional standards and demonstrate appropriate workplace behavior.
- IETF participants must not engage in harassment while at IETF meetings, virtual meetings, social events, or on mailing lists. Harassment is unwelcome hostile or intimidating behavior—in particular, speech or behavior that is aggressive or intimidates.
- If you believe you have been harassed, notice that someone else is being harassed, or have any other concerns, you are encouraged to raise your concern in confidence with one of the Ombudspersons.

IETF®

Agenda, Monday 21 July, 2025

0. Agenda bashing and Chairs' Slides (10 mins)
   [Chairs]

1. BGP Flowspec Redirects to SR Policy (10 mins)
   draft-li-idr-flowspec-sr-policy-01
   [Zhenqiang Li]

2. BGP SR Policy Extensions for Performance-Aware Path Selection (10 mins)
   draft-li-idr-sr-policy-metric-01
   [Zhenqiang Li]

3. BGP-LS Advertisement of SR Policy Performance Metric (5 mins)
   draft-lin-idr-bgpls-te-policy-pm-06
   [Changwang Lin]

4. BGP SR Policy Extensions for Path Scheduling (10 mins)
   draft-zzd-idr-sr-policy-scheduling-09
   [Li Zhang]

5. SRv6 Policy SID List Optimization Advertisement (5 mins)
   draft-ali-idr-srv6-policy-sl-opt-distribution-01
   [Zafar Ali]

6. Distribution of Device Discovery Information in NVMe Over RoCEv2 Storage Network Using BGP (10 mins)
   draft-wang-idr-bgp-nof-nlri-03
   [Rui zhuang]

7. Fully Adaptive Routing Ethernet using BGP (10 mins)
   draft-xu-idr-fare-03
   [Xiaohu Xu]

8. BGP Performance-aware Routing Mechanism (10 mins)
   draft-ietf-idr-performance-routing-04
   [Xiaohu Xu]

9. BGP Neighbor Discovery (10 mins)
   draft-xu-idr-neighbor-autodiscovery-12
   [Xiaohu Xu]

10. Accumulated Metric in NHC attribute (5 mins)
    draft-ietf-idr-bgp-generic-metric-01
    [Srihari Sangli]

11. BGP Specific Route Refresh (5 mins)
    draft-lin-idr-refresh-enhance-00
    [Changwang Lin]

Agenda, Friday 25 July, 2025

0. Agenda bashing (5 mins)

1. RFC4271 Bis (30 mins)
   [John Scudder]

2. BGP-4 Path Attribute Filtering Capability (10 mins)
   draft-haas-idr-path-attribute-filtering-00
   [Jeff Haas]

3. Dynamic Capability for BGP-4 (10 mins)
   draft-ietf-idr-dynamic-cap-17
   [Srihari Sangli]

4. The Secondary Label and its applications (5 mins)
   draft-mohanty-idr-secondary-label-01
   [Mankamana Mishra]

5. BGP Extensions to Enable BGP FlowSpec Based IFIT (10 mins)
   draft-he-idr-bgp-flowspec-ifit-00
   [Xiaoming He]

6. SRv6 BGP Unreachable Prefix Announcement (UPA) (10 mins)
   draft-krierhorn-idr-upa-00
   [Jakub Horn]

Status

- Like most of the IETF, IDR is going through re-chartering
  - Discussion following the status, along with comments from our AD, Ketan
- Moving BGP forward in the standards process
  - See presentation from John Scudder on Friday
- All chairs have been sluggish due to extenuating life circumstances
- The work happens on the mailing list
  - We've had very little discussion on many of the active drafts on our agenda on the mailing list.
- The chairs are often document shepherds, but we're not your editors.
  - Over-reliance on chair help is slowing WG document progress.

Status (2)

- Wide community IANA code points refreshed pending RFC publication.
  - Jeff is the holdup
- draft-ietf-idr-sdwan-edge-discovery
  - Alvaro’s review comments regarding RFC 9012 need to be addressed.
  - Ketan has his own feedback to be processed.
  - Sue to work with authors to resolve.

Status (3)

- draft-abraitis-bgp-version-capability not adopted. The chairs will be working to send this off to ISE.
  - Sue has the token for this.
- draft-ietf-idr-vpn-prefix-orf is at the finish line
  - Authors to integrate last comments from chairs before advancing.
  - Targeted for update during IETF week.
- draft-ietf-idr-5g-edge-service-metadata
  - Early allocation done
- draft-ietf-idr-bgp-ct-srv6
  - Sue’s shepherd’s queue

Status (4)

- draft-ietf-idr-bgpls-sr-vtn-mt
  - At IESG, revised draft needed from authors.
- draft-ietf-idr-sr-policy-nrp
  - WGLC closed 12 July.
  - Comments noted spring dependencies. Discussions in progress.
- draft-ietf-idr-bgp-ls-sr-policy-nrp
  - Early IANA allocation in progress
  - WGLC impending
- draft-ietf-idr-bgp-ls-sr-policy-path-segment
  - WGLC impending shepherd work (Sue)

WGLC Pending, Need Update

- draft-ietf-idr-bgp-fsm-iana-00 - BFD strict mode work from Jeff (Sue shepherd)
- draft-ietf-idr-bgp-bfd-strict-mode-14 - Jeff to coordinate with authors (Sue shepherd)
- draft-ietf-idr-rt-derived-community-04 - Waiting for author followup (Jie shepherd)
- draft-ietf-idr-bgp-ls-isis-flood-reflection-04 – awaiting revision -05 (Sue, Shepherd)

Adoption Queue

- draft-lin-idr-sr-policy-headend-behavior-04 – needs revision 05
- draft-zhang-idr-sr-policy-template-05 – Needs cross-group work PCE and Spring
- draft-lin-idr-bgpls-te-policy-pm – needs update
- draft-liu-idr-sr-segment-list-optimize – needs update
- draft-hegdearavind-idr-bgp-ls-flex-algo-ext – pending review

FSv2 Pending Work

- Blocked on finalizing some core details on base spec (Jeff, Sue)
- draft-wang-idr-flowspec-dip-origin-as-filter-10
- draft-geng-idr-flowspec-sav-05
- draft-cui-idr-content-filter-flowspec-03
- draft-zzd-idr-flowspec-path-scheduling-02
- draft-li-idr-bgpls-flow-queue-01
- draft-lin-idr-cats-flowspec-ts-00
- draft-peng-idr-apn-bgp-flowspec-00

Link-local Capability

- draft-ietf-idr-linklocal-capability
  - Strong interest in work a while ago.
  - Donatas has worked with chairs (primarily Jeff) to integrate and address list feedback from original discussion.
  - Last known issue is dealing with iBGP and route reflection behaviors.
  - Please review.
  - Likely heading to WGLC soon after IETF.

Link Bandwidth - Last Call

- Working Group Last Call for draft-ietf-idr-link-bandwidth in progress, ending after IETF.
  - No presentation this IETF.
  - Last minute request from the BESS chairs to consider merging in existing cumulative link bandwidth work from draft-ietf-bess-ebgp-dmz.
  - Similarly, request to deal with transitivity work for originating non-transitive routes across eBGP boundary. Prior chair discussion was we need a minor update to RFC 4360.
  - Please offer your feedback as to whether draft is ready for publication and whether you think we should hold work to merge use cases.

Work We Should Consider

- IDR terminology draft
  - RFC Editor maintains well-known abbreviations list
  - Authors for BGP-related specifications struggle with formal terminology. For example, “What is a route? How is it different from a path? A destination?
  - Could live on the wiki
- Extended communities needs a small update covering non-transitive routes interacting with BGP
  - Chairs shouldn’t own this. Need an editor.