

22 March 2024

SRv6OPS BoF @ IETF 119

This session is being recorded



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.
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- 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.
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- 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)

Note Really Well

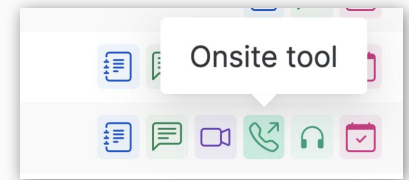
- IETF meetings, virtual meetings, and mailing lists are intended for professional collaboration and networking, as defined in the IETF Guidelines for Conduct (RFC 7154), the IETF Anti-Harassment Policy, and the IETF Anti-Harassment Procedures (RFC 7776). If you have any concerns about observed behavior, please talk to the Ombudsteam, who are available if you need confidentiality to raise concerns confident about harassment or other conduct in the IETF.
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- 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.

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IETF 119 Meeting Tips

In-person participants

- Make sure to sign into the session via Datatracker or the QR Code in this session.
- Use Meetecho (usually the “Meetecho lite”) client to:
 - join the mic queue
 - participate in shows of hands
- *Keep audio and video off if not using the onsite version.*



Remote participants

- Make sure your audio and video are off unless you are chairing or presenting during a session.
- Use of a headset is strongly recommended.

Administrivia

- Minute taker(s)
 - Collaborative minutes
 - <https://notes.ietf.org/notes-ietf-119-srv6ops>
- Meetecho Etiquette
 - Join the common queue (onsite/remote) via meetecho
 - Do not send audio directly
 - Please state your name before speaking
 - Be mindful of the agenda time
 - Longer discussion on mailing list (or [zulip](#) chat)

Agenda Bashing

Administrivia
Chairs (5 min)

Operator's Presentation
Various Operators (1 hour)

- * MTN (Zoltan Miklos)
- * Bell Canada (Daniel Voyer)
- * Swisscom (Thomas Graf)
- * Alibaba (Linjian Song)
- * China Mobile (Tianji Jiang)

Charter Discussion
Chairs (40 mins)

BoF Questions
Chairs (15 mins)

BoF Goals

The goal of this BOF is to demonstrate that the community has agreement that:

- there is a problem that needs solving, and the IETF is the right group to attempt solving it.
- there is a critical mass of participants willing to work on the problem (e.g., write drafts, review drafts, etc.).
- the scope of the problem is well defined and understood, that is, people generally understand what the WG will work on (and what it won't) and what its actual deliverables will be.
- there is agreement that the specific deliverables (i.e., proposed documents) are the right set.
- it is believed that the WG has a reasonable probability of having success (i.e., in completing the deliverables in its charter in a timely fashion).

BoF Goals

The aim of this BoF is to determine – “if a WG with the proposed charter be formed?”

- Scope is clear?
- Deliverables are clear?
- Critical mass of operators, contributors, reviewers?

Operator's Presentations

Charter Discussion

<https://github.com/SRv6-Operations/IETF119-SRv6-Operations-Bof/blob/main/SRv6OPS-Charter.md>

Proposed Charter for SRv6 Operations (SRv6OPS)

Mission:

The SRv6OPS WG focuses on the operational aspects of deploying and managing Segment Routing over IPv6 (SRv6) networks. The mission includes:

- Developing best practices and guidelines for secure, efficient, and scalable operation of SRv6 networks.
- Identifying and addressing operational challenges encountered during SRv6 deployments.
- Fostering collaboration and knowledge sharing among network operators, vendors, and researchers involved in SRv6 operations.
- Collaborate with other IETF Working Groups (WGs) relevant to SRv6 and related technologies.
- Provide advice on standardizing operational tools and mechanisms for SRv6 networks.

Proposed Charter for SRv6 Operations (SRv6OPS)

Scope:

The SRv6OPS WG focuses on best practices, deployment guidance, operational issues, new requirements, and potential operational experiments. Solutions and protocol extensions are not within its scope. The scope of the SRv6OPS WG includes:

- Operational Issues and requirements for possible solutions: IPv6 address planning for SRv6 SIDs, protection, inter-domain, interworking with other technologies.
- Deployment scenarios: Addressing operational considerations for diverse network environments and use cases.
- SRv6 network management guidance: Configuration, observability, assurance, and performance optimization.
- The SRv6OPS WG will not adopt any work until it reaches consensus in the SPRING WG.

Proposed Charter for SRv6 Operations (SRv6OPS)

Key Deliverables:

The SRv6OPS WG will work on the following items:

- SRv6 deployment status and best practice, including deployment scenarios (including metro, core and enterprise networks), scale-up capability, and inter-domain deployment experience.
- Recommendations and guidance for IPv6 address planning for SRv6 SID, including SRv6 compression.
- SRv6 network management guidance for configuration, automation, observability, assurance, performance optimization, and troubleshooting.

Proposed Charter for SRv6 Operations (SRv6OPS)

Relationships with Other WGs:

The SRv6OPS WG will cooperate with other WGs as needed. Specific expected interactions include (but may not be limited to):

- SPRING WG: Close cooperation on SRv6 protocol extensions, new requirements and operational considerations.
- v6ops WG: Sharing best practices and addressing IPv6 and SRv6 interworking challenges.
- 6man WG: cooperation on core IPv6 functionalities and addressing their impact on SRv6 operation.

Issues & Discussion

<https://github.com/SRv6-Operations/IETF119-SRv6-Operations-Bof/issues>

- Why not do this in SPRING?
 - Audience and “point-in-the-development lifecycle”
- Overlap with other WGs?
 - SRv6OPS will not work on standards track.
 - The SRv6OPS WG will not adopt any work until it reaches consensus in the SPRING WG.
- Any other concerns?

Questions, Comments, Feedback...

Keep in mind the BoF question – If a WG with the proposed charter should be formed?

- Scope is clear?
- Deliverables are clear?
- Is there a critical mass of operators, contributors, reviewers?

BoF Questions

Onsite Participants: Please scan QR code to login to Meetecho lite and be ready to respond to the upcoming polls...

BOF Question #1

Are there operators here who have already deployed SRv6 in their networks?

(question for operators only)

BOF Question #2

Are there operators here that are planning or evaluating SRv6 deployment in their networks?

(question for operators only)

BOF Question #3

Is there interest and focus in the subject matter presented today to warrant the formation of a WG?

BOF Question #4

Who would be willing to contribute:

- Drafts
- Operational presentations
- etc

BOF Question #5

Who would be willing to review drafts?

BOF Question #6

Is there support to form a WG with the proposed charter?

(assuming any charter revisions will be discussed and made)



Thanks for Participating!

