Bit Indexed Explicit Replication (BIER)

10th November 2023

IETF 118 BIER Session

This session is being recorded

Internet Engineering Task Force
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Note Well

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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

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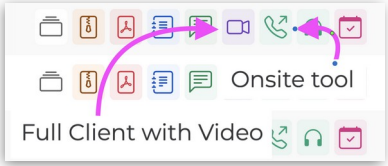
IETF 118 Meeting Tips

In-person participants

- Make sure to sign into the session using the Meetecho (usually the “Meetecho lite” client) from the Datatracker agenda
- Use Meetecho to join the mic queue
- *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

Resources for IETF 118 Prague

- Agenda
  https://datatracker.ietf.org/meeting/agenda
- Meetecho and other information:
  https://www.ietf.org/how/meetings/preparation
- If you need technical assistance, see the Reporting Issues page:
  http://www.ietf.org/how/meetings/issues/

- BIER WG Minutes
  https://notes.ietf.org/notes-ietf-118-bier

Agenda

00, WG status, Chairs, 10 minutes
01, BIER OAM updates, Gregory Mirsky, 10 minutes
02, P4 Tofino implementation experiences with advanced stateless multicast source routing, Michael Menth / Steffen Lindner, 20 minutes
03, BIER prefix redistribute (draft-ietf-bier-prefix-redistribute-05), Sandy Zhang, 5 minutes
04, BIER Redundant Ingress Router Failover (draft-ietf-bier-source-protection-05), Yisong Liu, 5 minutes
05, Generic Multicast Router Election on LAN's (draft-wijnands-bier-mld-lan-election-02), IJsbrand Wijnands, 10 minutes
06, BIER-TE related draft updates: OSPF Extensions for BIER-TE, BIER-TE for Broadcast (draft-ietf-bier-te-ospf, draft-ietf-bier-te-ospfv3, draft-chen-bier-te-lan), Huaimo Chen, 20 minutes
07, BIER uloop (draft-liu-bier-uloop-00), Changwang Lin / Yuanxiang Qiu, 10 minutes

BIER WG Doc Status

Drafts in IESG:

- draft-ietf-bier-ospfv3-extensions
- draft-ietf-bier-evpn
- draft-ietf-bier-tether
- draft-ietf-bier-idr-extensions

BIER WG Doc Status

Drafts passed WGLC:

- draft-ietf-bier-bierin6 (WGLC done, needs shepherd)
- draft-ietf-bier-lsr-non-mpls-extensions (WGLC done, shepherd assigned, needs shepherd’s review)
- draft-ietf-bier-ping (WGLC done, early review done, shepherd’s review done)
- draft-ietf-bier-php (WGLC done, shepherd’s review done)

BIER WG Doc Status

Drafts in LC: :

- draft-ietf-bier-bfd (Early review done, needs shepherd)
- draft-ietf-bier-bgp-ls-bier-ext (Shepherd's review done, revision done)
- draft-ietf-bier-oam-requirements (Early review done, needs new shepherd)
- draft-ietf-bier-path-mtu-discovery (Shepherd is reviewing)
- draft-ietf-bier-prefix-redistribute (Needs shepherd's review, presenting in this meeting)
- draft-ietf-bier-use-cases (Waiting for Write-Up)

Related work in other WGs

- **Newly adopted draft in PCE WG**
  - draft-chen-pce-bier

BIER WG

- Thanks!