IETF 113 Computing-Aware Networking (CAN) BoF
22 March 2022
Chairs: Jeffrey Zhang, Linda Dunbar

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.

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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)
In-person participants

- Make sure to sign into the session using the Meetecho (usually the “onsite tool” 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 113 Vienna

- **Agenda**
  [https://datatracker.ietf.org/meeting/agenda](https://datatracker.ietf.org/meeting/agenda)

- Meetecho and other information:
  [https://www.ietf.org/how/meetings/113/preparation](https://www.ietf.org/how/meetings/113/preparation)

- If you need technical assistance, see the Reporting Issues page:
Aims at computing and network resource optimization by steering traffic to appropriate computing resources considering not only routing metric but also computing resource metric and service affiliation.

Mailing List: dyncast@ietf.org
- [https://www.ietf.org/mailman/listinfo/Dyncast](https://www.ietf.org/mailman/listinfo/Dyncast)

Etherpad for minutes taking:
- [https://notes.ietf.org/notes-ietf-113-can](https://notes.ietf.org/notes-ietf-113-can)
- Many thanks to David Guzman and Zheng Hao Mian for taking the notes. More are appreciated.
Purpose of the BOF (Non WG-Forming)

Increase awareness and increase participation in Computing-Aware Networking so that efforts can be organized coherently.

- A few words from AD John Scudder
- Overview/update of the state of the industry/SDOs
- Use cases and requirements
- Potential solutions
Questions to have in minds

You don’t have to answer these questions, but please think about them for the discussion at the end of the meeting:

● Are the use cases important?
● Are there existing and sufficient solutions?
● Do you think the proposed architecture would be harmful in any way?
● Would it be IETF work?
  ■ In Routing area (and which WGs) or somewhere else?
  ■ Is there energy to continue the work?
Agenda

- Administrivia- (chairs, 5 minutes) 5/120
- Problem statement, use cases and requirements
  - MEC/CNC Update (Luis, 15 minutes) 20/120
  - Specific Use Cases (Peng Liu, 20 minutes) 40/120
  - Gap Analysis and Requirement (Peng Liu, 20 minutes) 60/120
- Potential solutions
  - Solution using existing techniques: (Shraddha Hegde, 15 minutes) 75/120
    - Load Balancer
  - Solution with protocol extension: (Cheng Li, 15 minutes) 90/120
    - Architecture of Dynamic Anycast
- Open discussion -(all, 15 minutes) 105/120
- Return to the Questions - (Chairs, AD, 15mins) 120/120
Summary and Next Steps

- Chairs
  - What we heard
- AD
  - What he heard
  - What are the next steps