IETF 115 Computing Aware Networking

Nov 7, 2022

Chairs:
Linda Dunbar: Dunbar.ll@gmail.com
Jeffrey Zhang: zzhang@juniper.net

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.
● 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)
The CAN (Computing-Aware Networking) is a home to discuss how (the availability of) computing-related resources, including but not limited to computing and storage capabilities, may impact the routing system.

Mainly focusing on routing (forwarding) services with multiple destinations, such as ANYCAST, within one Administrative domain.

Useful information:
- [https://www.ietf.org/mailman/listinfo/can](https://www.ietf.org/mailman/listinfo/can)
BoF Goals

• The goal of this BOF is to demonstrate the community has agreements that
  • There is a problem that needs solving, and the IETF is the right group to attempt to solve 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 the 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).

• The BoF is NOT for discussing solutions or architectures.
  • All the solution-related discussions might be interrupted in the interest of time.
Computing Aware Networking (CAN) Agenda

- Administrivia and agenda---5min---Chairs
- Problem statement and use cases---20 min---Peng Liu & Luis Contrerasmurillo
- Gap analysis and Requirement---20 min---Tianji
- Quick presentation of proposed charter---10min---Peng Liu
- Charter discussion---35min---
- Wrap-up---10min---AD, Chairs
Questions

- Does the community think that the problem statement is
  - Clear?
  - Well-scoped?

- Is the IETF the right group to attempt to solve it?

- There is a critical mass of participants willing to work on the problem (e.g., write drafts, review drafts, etc.),
  - Who is willing to author/contribute/edit documents?
  - Who is willing to review documents?