Application-aware Networking (APN) BoF Meeting at IETF-111

Chairs
Bob Hinden (bob.hinden@gmail.com)
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AD
Martin Vigoureux (martin.vigoureux@nokia.com)
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)

More information at https://www.ietf.org/about/note-well/
Administrivia

- Meetecho: https://meetings.conf.meetecho.com/ietf111/?group=apn&short=&item=1
- Minutes
  - Etherpad: https://codimd.ietf.org/notes-ietf-111-apn
  - Minutes takers: Linda Dunbar, Carsten Bormann
  - Please contribute
- Jabber
  - xmpp:apn@jabber.ietf.org?join
- Presentations: https://datatracker.ietf.org/meeting/111/materials.html
- Blue sheets
  - Automatically collected by Meetecho

This meeting is being recorded!
Useful Info

• Overview
  • https://datatracker.ietf.org/group/apn/about/

• Related drafts
  • https://datatracker.ietf.org/group/apn/documents/

• Mailing list
  • Subscribe : https://www.ietf.org/mailman/listinfo/apn
  • Archive : https://mailarchive.ietf.org/arch/browse/apn/

• Community archive of previous side meetings
  • https://github.com/APN-Community
Agenda

0. Administrivia (Chairs)
   5 mins (5/120)

1. Aims and intentions of the BoF (AD - Martin)
   5 mins (10/120)

2. What's in a name? Clarification of "APN“ (Chairs)
   3 mins (13/120)

3. Questions to have in your mind during the BoF (Chairs)
   2 mins (15/120)

4. Introduction to APN (Robin Zhenbin Li)
   10 mins + 5 mins questions for clarification (30/120)

5. Use cases (Luis Contreras)
   15 mins + 5 mins questions for clarification (50/120)

6. Why are existing mechanisms not enough? (Gyan Mishra)
   5 mins + 10 mins questions for clarification (65/120)

7. What is contained in an APN Attribute and why? (Chongfeng Xie)
   10 mins + 5 mins questions for clarification (80/120)

8. Work items to be covered (Shuping Peng)
   5 mins + 5 mins questions for clarification (90/120)

9. Return to the Questions and open discussion (Chairs)
   25 mins (115/120)

10. Wrap-up (Chairs/AD)
    5 mins (120/120)
Aims and Intentions of this BoF

The AD will speak
The Name “APN”

• Application-aware Networking (APN)
  • There is a long history of using that name
    • “APN6” was mentioned in an I-D in September 2019 and then presented in 6MAN
    • The function and meaning of the term has evolved considerably since then
  • Don’t get hung up on the name
    • The function may have out-grown the name
    • Please listen to the presentations
      • Draw your understanding of the work from the technical details not from the name
Questions to Have in Mind

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

a. What are the key work items/deliverables?
b. What are the key things to exclude?
c. Do you think APN would be harmful in any way?
d. Is the benefit of APN worth the cost of development and deployment?
e. Would it be IETF work?
f. Does it merit a new working group or distribution across existing WG's?
Summary and Next Steps

• Chairs
  • What we heard

• AD
  • What he heard
  • What are the next steps