Common Operations and Management on network Slices (coms)
BoF

IETF-101
London

Thursday, March 22nd, 2018
9.30am-12.30pm

Chairs:
Gonzalo Camarillo : Gonzalo.Camarillo@ericsson.com
Adrian Farrel : afarrel@juniper.net

Note Well

- Note well that the note well slide keeps changing
  - But the note well message is still the same…

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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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)

Reminders

- Agenda:
  - https://datatracker.ietf.org/meeting/101/agenda/coms
- Meeting materials, slides, audio streams
  - http://tools.ietf.org/agenda/101/
- Minutes Takers (Etherpad):
  - http://etherpad.tools.ietf.org:9000/p/notes-ietf-101-coms
- Jabber room
  - coms@jabber.ietf.org
- Mailing List:
  - https://www.ietf.org/mailman/listinfo/netslices

Administrivia

- This is a non-WG-Forming BoF
  - More on that in a moment
- Minute Takers: Dave Sinicrope
  Jabber Scribe:
- Blue Sheets
  - Please fill them in and circulate
  - They are now scanned and published online
- State your name clearly and slowly at the mic

How To Conduct Yourself in this BoF

- Be civil (please)
- Listen carefully
  - Someone may not understand what you are saying
    - Don't blame them for that
    - Help them understand
- Stick to your time limit
  - We will 'gong' you out!
- Save all questions for the discussion / Q&A sections

Agenda

1. Administrivia - chairs [2 mins : 2/150]

2. Objectives of the BoF - ADs [3 mins : 5/150]

3. Overview of Questions to be Answered - chairs [5 mins : 10/150]

4. Setting the Scene - Jari Arkko [20 mins : 30/150]

5. Why are we trying to provide NS solutions [30 mins : 60/150]

    a. Operator's View Point : Shunsuke Homma (10 mins)

    b. Operator's View Point: Luis M. Contreras (10 mins)

    c. Q&A (10 mins)

6. What are we trying to do? [40 mins: 100/150]

    a. Problem Statement and Architecture of COMS : Liang Geng (10 mins)

    b. COMS Technology Independent Information Model : Cristina Qiang (10 mins)

    c. Network Slice Interconnection : Xavier de Foy (10 mins)

    d. Q&A (10 mins)

7. How do the concepts fit together? [15 mins : 115/150]

    a. Alex Galis (10 mins)

    b. Q&A (5 mins)

8. The Questions - chairs [25 mins : 140/150]

9. Wrap up - ADs [10 mins : 150/150]

Purpose of this BoF

- Ignas Bagdonas
  - Incoming OPS&MAN AD
- Attempting to get a common view of what needs to be done
- Trying to uncover what work we might do in the IETF
- Answer the questions that the chairs will introduce in a moment

Questions We Need to Answer

- What is the problem space?
  - This is not just what is in scope, but also what is out of scope. In particular, it is the focus of the problem: **the** thing that you want to achieve in an operational network.
- What is the proposed architecture?
- What interfaces might we work on?
- What deliverables do you envision?
  - No one can have everything they want immediately
    - Prioritize the deliverables
    - Where would you draw the line between "must have" and "can live without for now"?
- How does this proposed work relate to other work?
  - Are there existing components that already exist and can be re-used?
  - How does other work interface to this work?
  - Consider IETF and non- IETF work
- "Top-down" or "bottom-up"?
  - Which way do you suggest we should work on this?
  - Is this consistent with the way the IETF works?
- Should some or all of the work be located in another body or within OpenSource?
  - Why? Why not?

- Keep these questions in mind during the BoF
  - We will return and discuss each at the end

Don't Forget RFC 5434

- Is there a problem that needs solving?
  - Is the IETF the right group to attempt solving it?
- Is there a critical mass of participants willing to work on the problem (e.g., write drafts, review drafts, etc.)?
- Is the scope of the problem well defined and understood. That is, do people generally understand what could be worked on (and what not!)
  - Is it clear what the deliverables would be?
- Is there a reasonable probability of success tackling this problem and producing these deliverables?
- We will not return to these questions
  - But the AD is certainly thinking about them