Proposed RG: COIN Computing in the Network

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Interim Meeting

October 8, 2019

Agenda

- Administrivia
- PRG Status
- Meeting at IETF 106
- Hackaton@106
- Documents update
- New topics
  - Latency by virtualization - Frank Fitzek
- Open discussion

Note Well (IRTF)

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. The IRTF follows the IETF's policies.

As a reminder:

- **By participating in the IRTF, you agree to follow IETF processes and policies.**
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- **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 the RG Chairs or IRTF Chair:

- **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)**

Administrivia

- **Datatracker** - documents, proposed charter and ***milestones***
  - https://datatracker.ietf.org/rg/coinrg/about/
- **GIT - will replace the wiki as the "go to " place for all coinrg information**
  - https://github.com/irtf-coinrg/prg-materials
- **WIKI – (to be phased out)**
  - https://trac.ietf.org/trac/irtf/wiki/coin
- **Mailing list -** coin@irtf.org

PRG Status

- Charter:
  - Stable and no change is planned before IETF106
- Chartering IAB meeting:
  - Monday November 18
  - We are in good shape!

PRG Status: Milestones

- **<u>Dec 2019 (post 106)</u>**
  - <u>New topics to be included</u>
  - Articulate COIN challenges
    - Related drafts: draft-kutscher-coinrg-dir, draft-liu-coinrg-requirement
  - Capture the SoTA of the COIN landscape
    - Related draft: draft-kutscher-coinrg-dir

- **Apr 2020**
  - Target COIN case studies, from architecture, implementation and use case standpoints
    - Related drafts: draft-he-coin-managed-networks, draft-kunze-coin-industrial-use-cases, draft-montpetit-coin-xr
  - Identify COIN network-related eco-system dependencies
    - Related drafts: draft-mcbride-edge-data-discovery-overview
  - Discuss/catalog COIN requirements and implications for network elements (including network services, network SW stacks, network HW design, etc.)
    - Related drafts: draft-mcbride-edge-data-discovery-overview , draft-he-coin-managed-networks , draft-kunze-coin-industrial-use-cases

- **Nov 2020**
  - Work toward defining a COIN scope appropriate for the IRTF, within which new architectures, mechanisms and protocols can be proposed

Meeting at IETF 106

- Requested

- May be our first "official" meeting ^^

- Important dates:
  - **2019-11-04 (Monday):** Internet Draft submission cut-off (for all drafts, including -00) by UTC 23:59. Upload using the [ID Submission Tool](#).
  - **2019-11-06 (Wednesday):** Draft Working Group agendas due by UTC 23:59. Upload using the [Meeting Materials Management Tool](#).
    - Agenda items welcome!

Hackaton@106

- Saturday and Sunday Nov. 16-17

- The plan is to continue:
  - Getting new participants
  - Developing the <u>data filtering</u> work started in Montreal that has value in <u>industrial networks</u> and <u>video distribution</u>

- There are currently no plans for development support:
  - Helpers welcome!

Documents Update

- **Current Drafts:**
  - draft-kunze-coin-industrial-use-cases-00
    - https://datatracker.ietf.org/doc/draft-kunze-coin-industrial-use-cases/
  - draft-kutscher-coinrg-dir-00
    - https://datatracker.ietf.org/doc/draft-kutscher-coinrg-dir/
  - draft-liu-coinrg-requirement-00
    - https://datatracker.ietf.org/doc/draft-liu-coinrg-requirement/
  - draft-sarathchandra-coin-appcentres-00
    - https://datatracker.ietf.org/doc/draft-sarathchandra-coin-appcentres/
  - draft-he-managed-networks-01
    - https://datatracker.ietf.org/doc/draft-he-coin-managed-networks
  - draft-montpetit-coin-XR-03
    - https://datatracker.ietf.org/doc/draft-montpetit-coin-xr
    - New authors: Lixia Zhang and Alex Afansyev
  - draft-mcbride-edge-data-discovery-03
    - https://datatracker.ietf.org/doc/draft-mcbride-edge-data-discovery-overview

New Topic

- Latency by virtualization - Frank Fitzek

Open Discussion

Next Meeting

- Meet at IETF 106 in Singapore (November 16-22)
- Plans to provide a list of related conferences or projects in Singapore
  - Send any conference or project you know about to the list for compilation
  - *1st Workshop on Flexible Network Data Plane Processing (NETPROC@ICIN2020)*
    - https://www.icin-conference.org/netproc-2020/