

IETF Hackathon

BGP-MUP SAFI Implementation and Interop

IETF 116

25-26 March 2023

Yokohama

Hackathon Plan

Let's implement a new BGP SAFI and do the Interop together!

- MUP Architecture and BGP-MUP SAFI
 - <https://datatracker.ietf.org/doc/draft-mhkk-dmm-srv6mup-architecture/>
 - <https://datatracker.ietf.org/doc/draft-mpmz-bess-mup-safi/>
- Participated BGP developers
 - Arrcus
 - Cisco
 - ExaBGP
 - FRR
 - Furukawa
 - GoBGP
 - (Open BMP)

What got done

- Running code for BGP-MUP SAFI supported BGP implementations
- GoBGP:
 - <https://gist.github.com/higebu/ad7b47f675b5d3a8a6296c9fc48e7836>
 - Already merged into the master repo:
 - <https://github.com/osrg/gobgp/>
- ExaBGP:
 - <https://github.com/Exa-Networks/exabgp/pull/1142/>
 - Already merged into the master repo:
 - <https://github.com/Exa-Networks/exabgp/>

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What we learned

- Network design is important for smooth interop scenarios.
- Better understanding on MUP SAFI format for coding.

Wrap up

Team members:

- Derek Yeung
- Kaito Sawada
- Ketan Talaulikar
- Katsuhiko Horiba
- Leo Fujita
- Mahesh Jethanandani
- Matthew Anderson
- Ryosuke Takenaka
- Satoru Matsushima, Champion
- Takeru Hayasaka
- Tatsuya Fujiwara
- Teppei Kamata
- Tetsuya Murakami
- Yuya Kawakami
- Yuya Kusakabe

First timers @ IETF/Hackathon:

- Derek Yeung
- Kaito Sawada
- Ketan Talaulikar
- Leo Fujita
- Matthew Anderson
- Ryosuke Takenaka
- Takeru Hayasaka
- Tatsuya Fujiwara
- Teppei Kamata
- Yuya Kawakami
- Yuya Kusakabe

Notes and contacts:

- Satoru Matsushima,
satoru.matsushima@gmail.com

