

# IETF Hackathon

## One Tax API

IETF 113

19-20 March 2022

Online

# Hackathon Plan

## One Tax API

- No RFC's yet, but is related to previous RFC's for forward secrecy
- Relevant to web monetization
- Try out and understand McTiny
  - a sync flood resistant forward secrecy preserving protocol
  - Public domain code <https://mctiny.org/software.html>
  - USENIX 2020 presentation
  - <https://www.usenix.org/conference/usenixsecurity20/presentation/bernstein>

Deploy the code, review the paper, take measurements

# What got done

What you achieved? (key results)

- Deployed on and ran the code on the cloud using Ubuntu 20.04 and Rocky Linux 8
- Started on simplified examples of McEliece encryption
- <https://github.com/OneTaxApi/McEliece>

# What we learned

## Lessons learned from this hackathon

- Implementation seems to work, but needs further examination
- Needs real world testing for sync flood resistance
- Needs real world testing for forward secrecy

# Wrap up

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## Team members:

- Benson Muite

## Other links:

- <https://mctiny.org>
- <https://github.com/OneTaxApi/McEliece>

## First timers @ IETF/Hackathon:

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## Notes and contacts:

- benson dot muite at emailplus dot org