

Internet Engineering Task Force 2019 Review

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IETF Chair

Making the Internet work better



Technical highlights

DNS over HTTPS

[RFC 8484](#)

[Applications Doing DNS](#)

[Application Behavior
Considering DNS](#)

Web Real-Time Communication (WebRTC)

[Overview](#)

Manufacturer Usage Description (MUD)

[RFC 8520](#)

[Blog post](#)

Object Security for Constrained RESTful Environments (OSCORE)

[RFC 8613](#)

[Lightweight Authenticated
Key Exchange](#)

Extended Message Support for Border Gateway Protocol (BGP)

[RFC 8654](#)

Segment routing

[Source Packet Routing in
Networking](#)

[RFC 8402](#)

Security -- Highlights

Encrypted Server Name Indication (ESNI)

[draft-ietf-tls-esni](#)

Transport Layer Security (TLS)

[TLS 1.3 deployment](#)

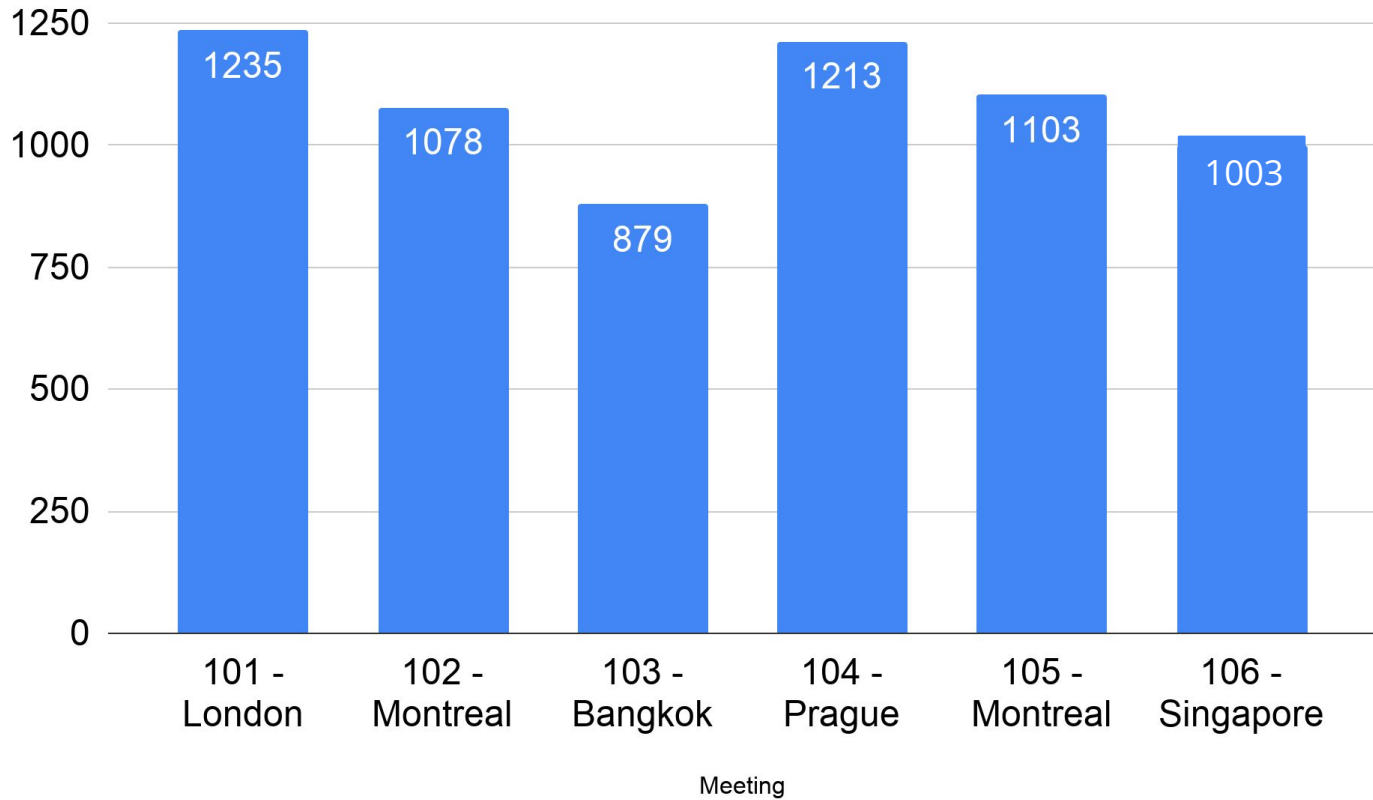
[Automatic Certificate
Management
Environment \(ACME\)](#)

Post-quantum cryptography

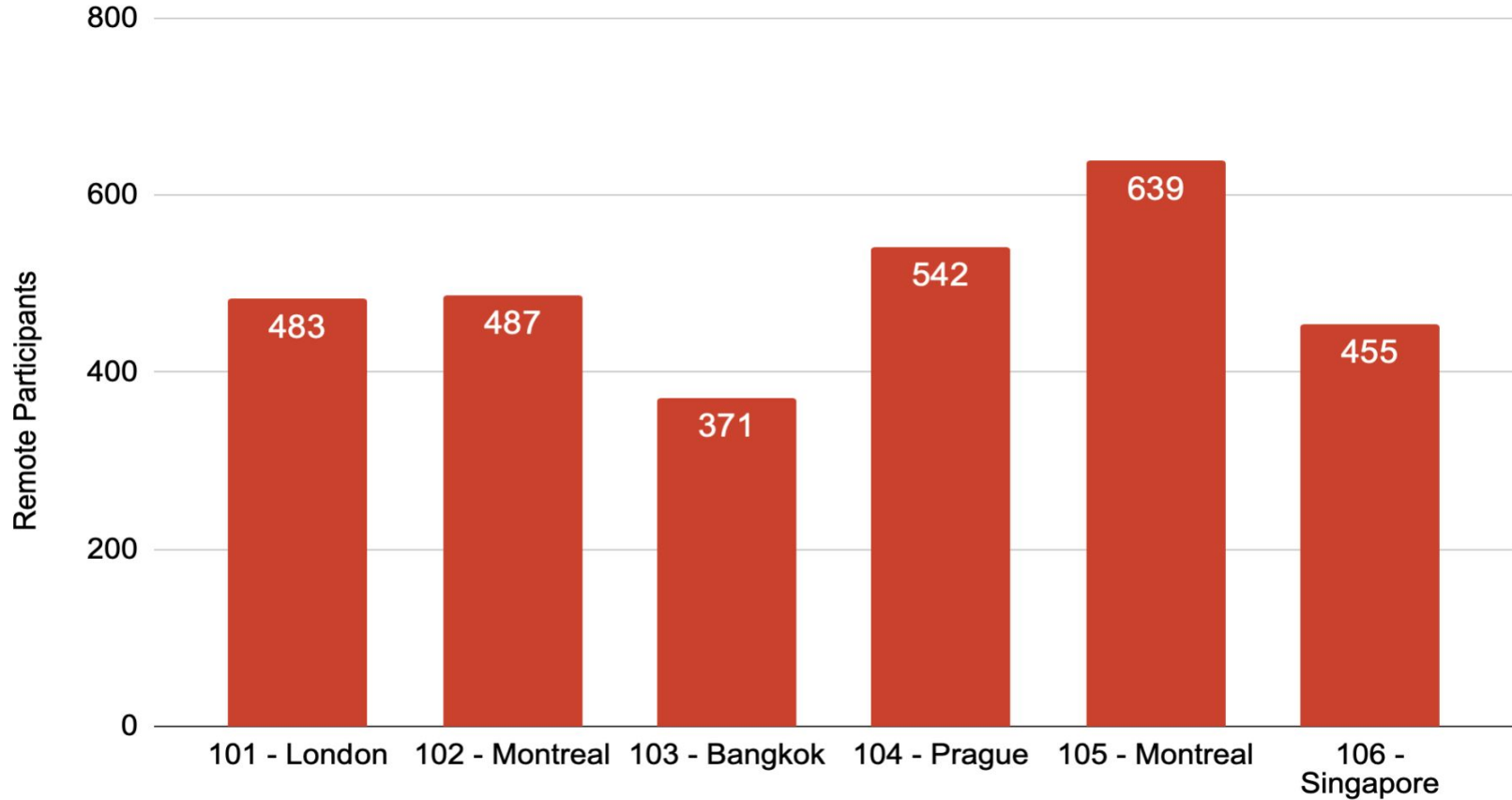
[Algorithm agility](#)

Participation statistics

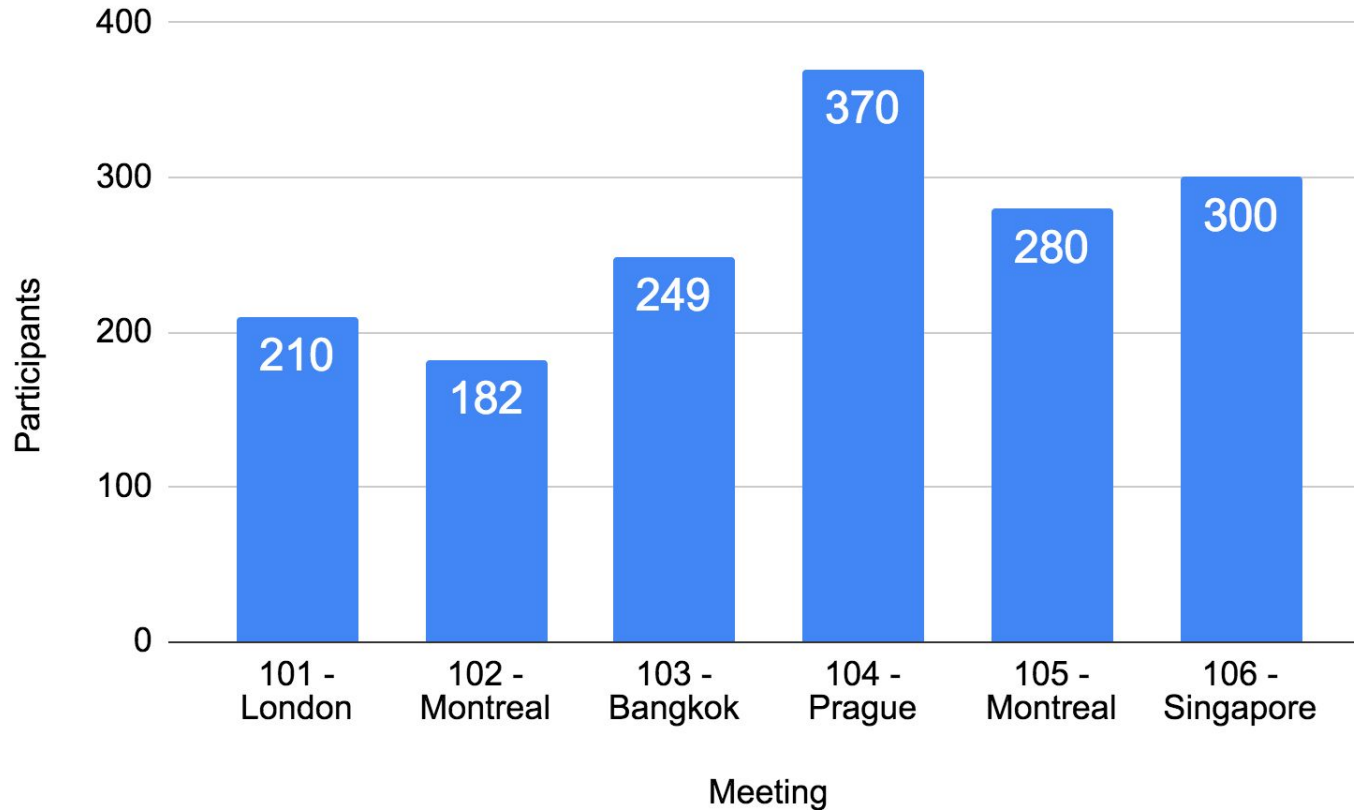
IETF Meeting On-site Participation



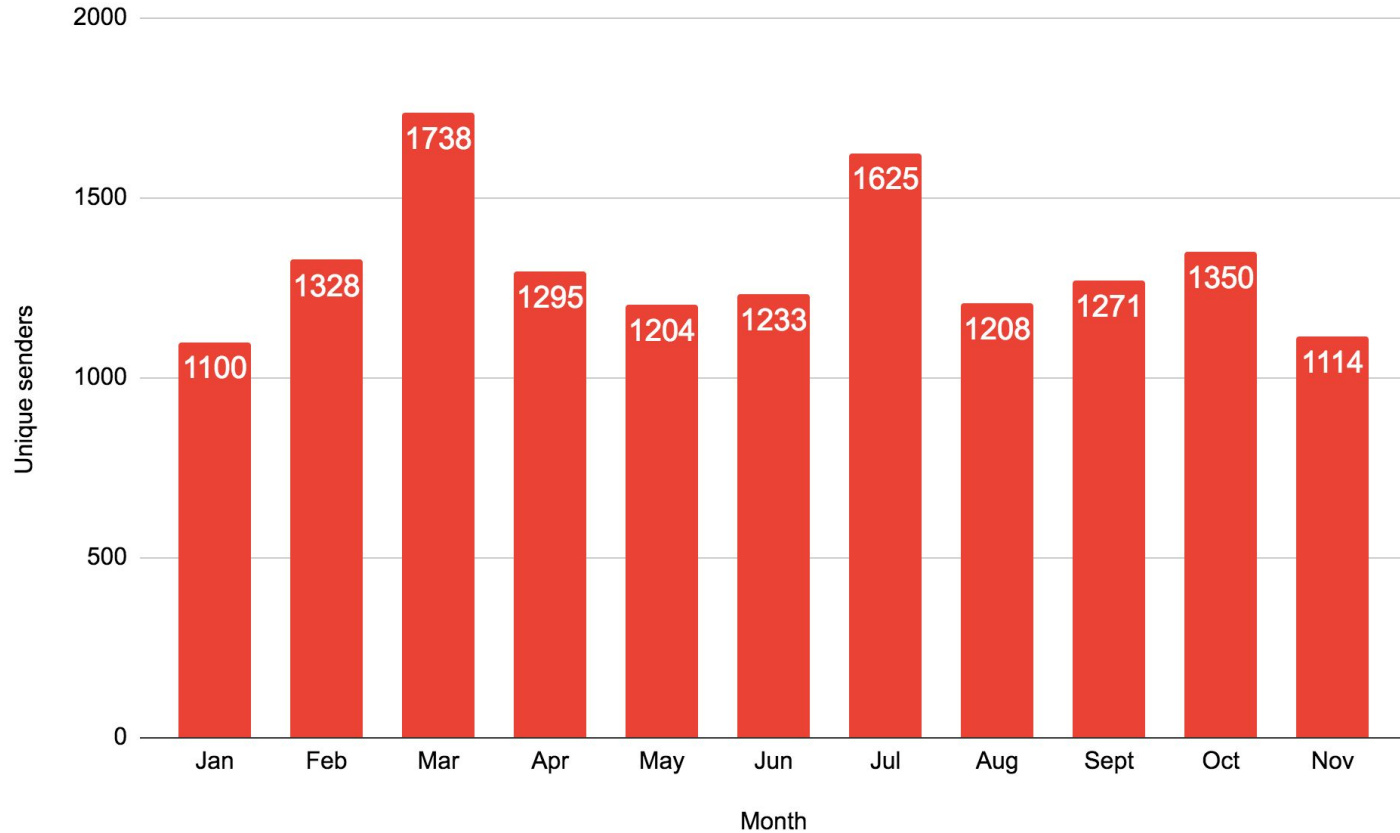
IETF Meeting Remote Participation



IETF Hackathon Participation



IETF Mailing List Senders



Thank you!

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