

Security Requirements for the IETF Network

`draft-rescorla-anonymous-network-00`

Eric Rescorla
David Schinazi

Richard Barnes
Tommy Pauly

Motivation: IETF Network in Shenzhen

- New requirements announced at the last minute
 - All users required to authenticate with their actual identity
 - Network metadata shared with network providers
 - Including mapping from identity to IP address
- This does not protect IETF members' privacy and security
- This is actually consistent with the venue requirements

New venue requirements (I)

The IETF network **MUST** be compatible with widely-used Internet security technologies, and **MUST NOT** interfere with their usage. These properties **MUST** also hold for upstream networks. In other words, in addition to global reachability at the IP layer, the network must provide secure global reachability, in the sense of being able to securely connect to any other endpoint on the Internet using any widely-used security protocol.

New venue requirements (II)

The IETF network **MUST NOT** collect information about IETF participants' Internet usage beyond what is technically required to operate the network. If user-linked information needs to be collected, then it **MUST NOT** be disseminated beyond the immediate IETF network operational team, and **MUST** be deleted at the end of an IETF meeting.

The IETF network **MUST** be accessible by any IETF participant without providing authentication information that is tied to their identity. If user-specific authentication is required, it **MUST** be possible for users to anonymously obtain an arbitrary number of credentials which are not linkable to their identity. The network **SHOULD** provide unauthenticated access or access via a shared credential if practicable.

What about late breaking changes

- This is out of scope for this draft
- Lots of things could change at the last minute (e.g., visa requirements)
- Probably need a separate draft

Next steps?

- Too small for a WG?
- Probably need to refine text a little bit
- Eventual AD sponsorship after refinement on this list?