User Devices Explicit Monitoring

draft-cnbf-ippm-user-devices-explicit-monitoring-03

https://datatracker.ietf.org/doc/draft-cnbf-ippm-user-devices-explicit-monitoring/

November 11, 2021, IPPM WG – IETF 112

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Proposal: EFM Probes on user devices

▶ The draft proposes to put the Explicit Flow Measurements probe also on the user device (e.g. mobile phones, PCs).

▶ "User device EFM rules":

1. **The device owner decides whether to mark his traffic.**

2. **The device owner decides whether to share his performance data.**

▶ Strenghts:

1. **Scalability**. On the user device there are few connections to monitor.

2. **More precise measurements**. Client application delay can be measured.

3. **Both directions monitoring.**

4. **Network monitoring equipment savings**. Network probes can monitor only impaired connections through "**user device and network probes coordination**". *It's possible to set alarm thresholds on the user device (and to signal to network probes to monitor only the sessions with impairments, in order to segment the performance measurements and to locate the faults). In this case network probes, also embedded into network nodes, need to monitor only a limited number of connections.*

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