

Export of On-Path Delay in IPFIX

draft-opsawg-ipfix-on-path-telemetry-01

Enabling a statistical network delay view, giving insights
where delay is being accumulated in the forwarding path

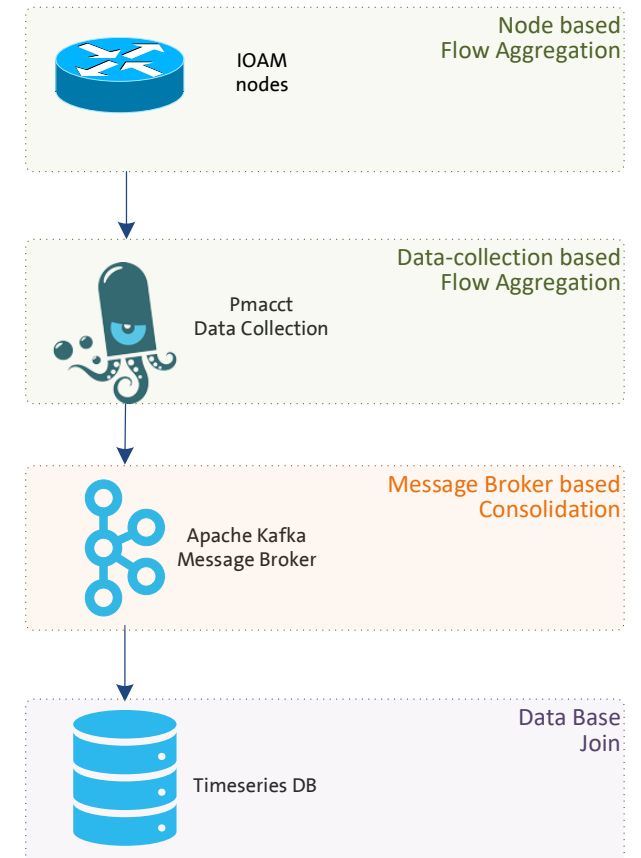
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18. March 2023

On-Path Delay @ IPFIX

Draft Status

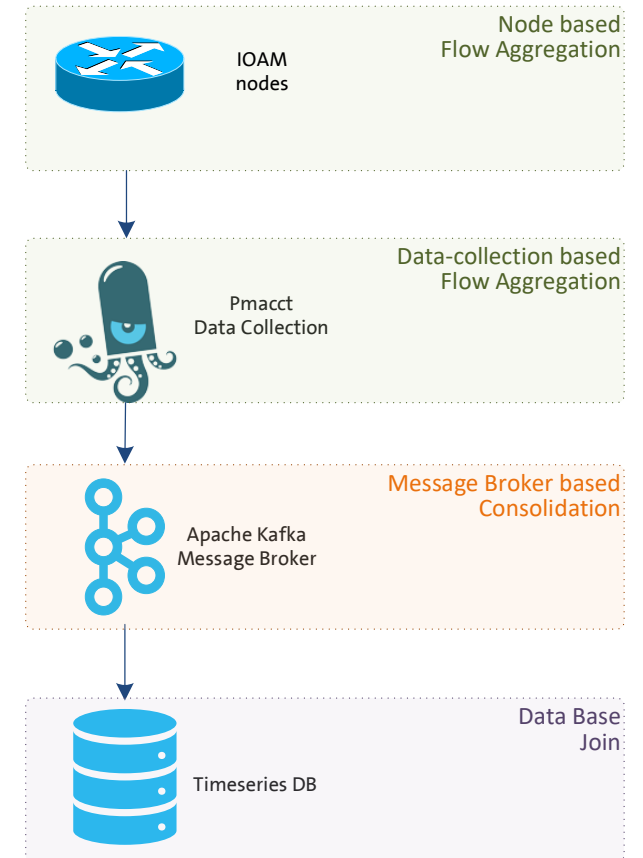
- **Extended the introduction and the terminology section** with performance registry relevant information's.
- Corrected some small nits in the performance registry sections.
- **Increased IPFIX entity data type sizes** based on implementation tests results.
- Corrected IPFIX entity data type semantic.
- Describing **how IPFIX reduced-size encoding is applicable** in new operational consideration section.
- According input from Greg Mirsky **detailing IOAM Application section**.
- **Removed nanosecond granularity.**



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Running Code at IETF 116 hackathon

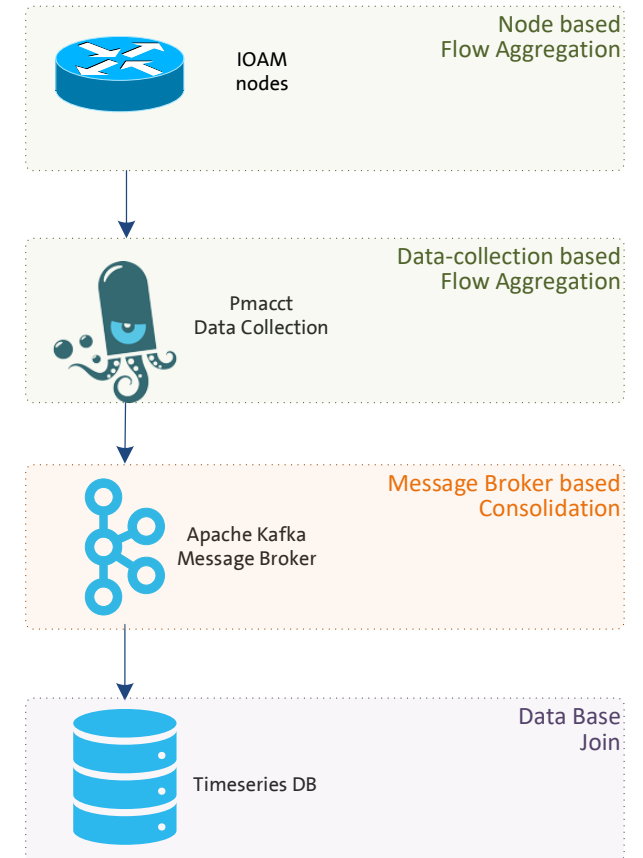
- INSA Lyon showed running open-source code based on IOAM-Trace-Type in FD.io VPP and Huawei based on IFIT SRH TLV their implementation in VRP.



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Next steps

- **Do you recognize the problem statement?**
- Network operators want to understand
 - **where delay with which network and device dimensions** is being accumulated
 - at highest scale **for a statistical network delay view.**
- IEs in document defined are independent from how the delay is being metered.
- Two vendors are validating technical feasibility. Others showing interest.
- Draft version -02 will contain data record and template examples.



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