

Export of Segment Routing IPv6 Information in IPFIX

draft-ietf-opsawg-ipfix-srv6-srh-14

Enabling insights in SRv6 forwarding plane
by adding Segment Routing dimensions

Export of On-Path Delay in IPFIX

draft-opsawg-ipfix-on-path-telemetry-04

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

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SRv6 @ IPFIX

Draft Status and Next Steps

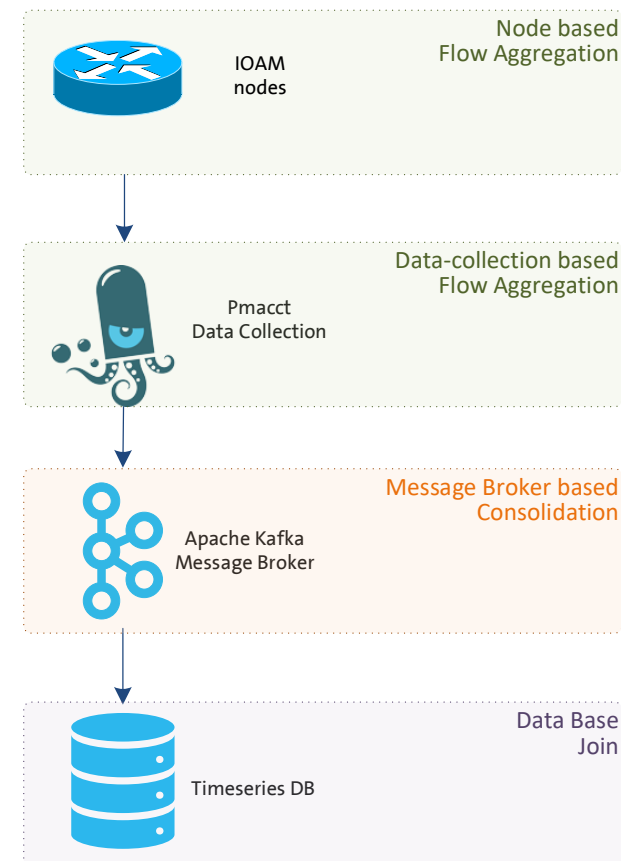
Draft Status

- -14 revision in **RFC editor queue**
(https://www.rfc-editor.org/current_queue.php#draft-ietf-opsawg-ipfix-srv6-srh)

- Next step: RFC

Implementation Status

- IANA code points assigned
(<https://www.iana.org/assignments/ipfix/ipfix.xhtml>)
- Wireshark dissector updated at IETF 117 hackathon
(https://gitlab.com/wireshark/wireshark/-/merge_requests/11138)
- Pmacct IPFIX data-collection srhSegmentIPv6ListSection decoding updated
(<https://github.com/pmacct/pmacct/pull/689>)
- Fluvia XDP/eBPF implementation at IETF 117 hackathon
(<https://github.com/nttcom/fluvia>)
- Two major vendors implemented and validated successfully. Public release end of July 2023 and March 2024 expected.



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On-Path Delay @ IPFIX

Draft Status and Next Steps

Draft Status

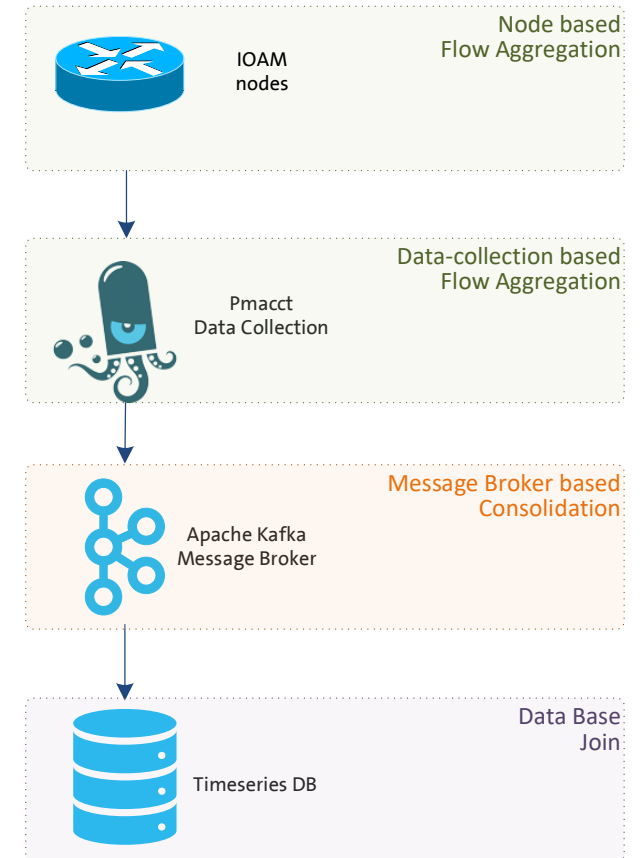
- Added appendix A with IPFIX encoding examples in -04 revision

Implementation Status

- Fluvia XDP/eBPF implementation at IETF 117 hackathon (<https://github.com/nttcom/fluvia>)

Next Steps

- Align the IPFIX Registry and the Performance Metrics IANA registries
Note: this is the first time that we define an IPFIX Information Element that is also specified as IPPM Performance Metric
- Then ready for WGLC
- Work continue in IPPM:
 - [draft-ahuang-ioam-on-path-delay](#)
 - [draft-ahuang-ippm-dex-timestamp-ext](#)



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