

Selectively Synchronize the RPKI Data to Routers

[draft-fu-sidrops-enhanced-slurm-filter](#)

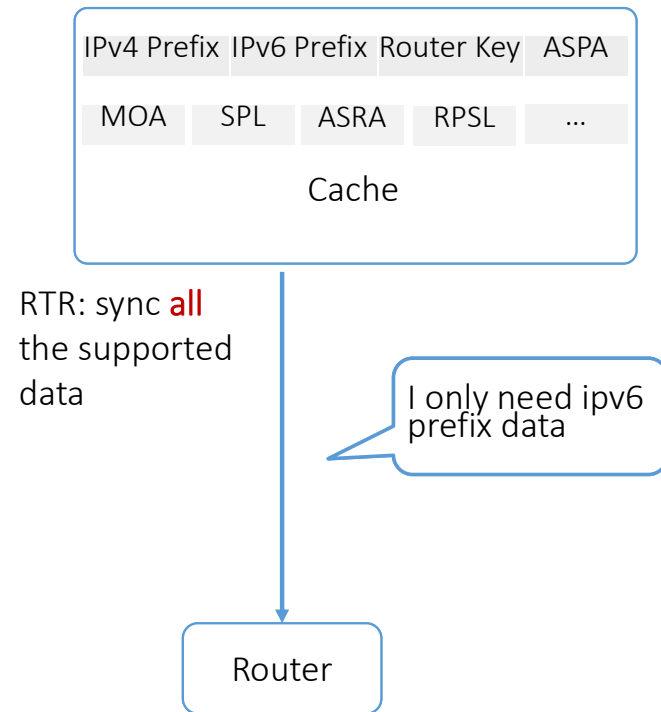
[draft-geng-sidrops-rtr-selective-sync](#)

Yu Fu, Nan Geng, Shunwan Zhuang, Mingqing(Michael) Huang

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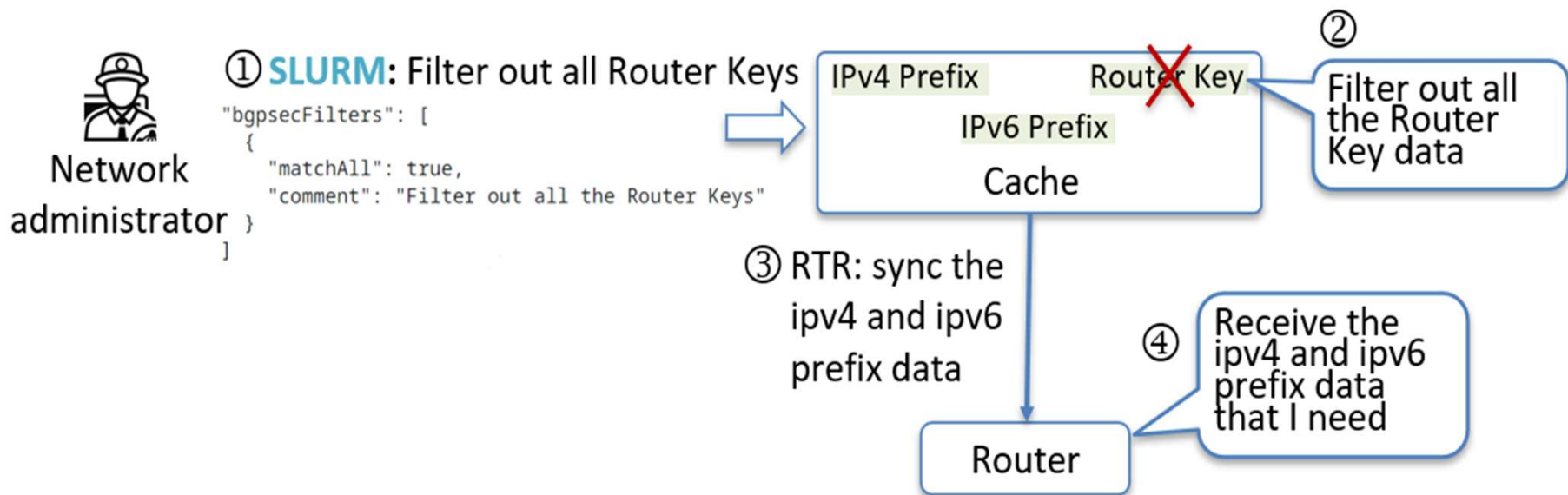
Motivation

- ✓ From perspective of operation , routers do not want all types of RPKI data, regardless of whether the router actually needs or uses those data.
- ✓ It is better to selectively synchronize the RPKI Data to Routers.



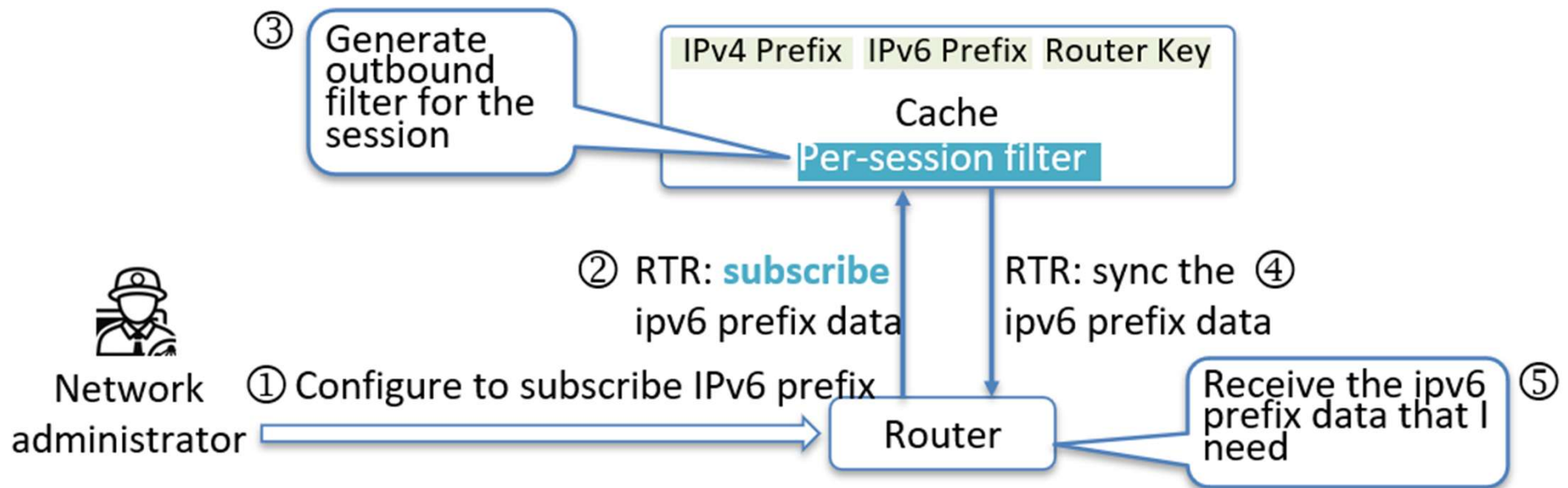
Solutions(1/2)

Extending the SLURM mechanism [RFC8416]: This extension enables filtering of specific types of RPKI data.



Solutions(2/2)

Extending the RTR protocol: The Client can subscribe to specific types of RPKI data from the server via the Subscribe PDU. The server will only synchronize the subscribed types of RPKI data to the Client.



Conclusion

By simplifying the design, we minimize modifications to the existing RP/RTR software as much as possible.

Implementation had been done in this Hackathon

Thanks!