YANG Data Model for RPKI to Router Protocol

draft-liu-sidrops-rtr-yang-06

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Overview

- This document defines YANG data models for RPKI-Router Protocol ([RFC6810], [RFC8210], and [I-D.ietf-sidrops-8210bis]).

- Two YANG data models are defined:
  - ietf-rpki-rtr.yang:

    How to configure and manage the RPKI-Router protocol on routers.
  - ietf-rpki-table.yang:

    How to manage ROA records of RPKI-Router Protocol on routers.

- Draft split:

The BGP related YANG definitions were removed from '**draft-liu-sidrops-rtr-yang-05**' and placed in the "draft-liu-idr-bgp-rpki-yang". Thus, draft '**draft-liu-sidrops-rtr-yang-06**' purely consist of YANG definitions for RPKI-RTR protocol.

Changes

- One new YANG data model '**ietf-rpki-table.yang**' is extracted from 'ietf-rpki-rtr.yang' to be used as a augment to "/rt:routing:".

- 'ietf-rpki-rtr.yang' is used as a **augment** to "/rt:routing/rt:control-plane-protocols/rt:control-plane-protocol".

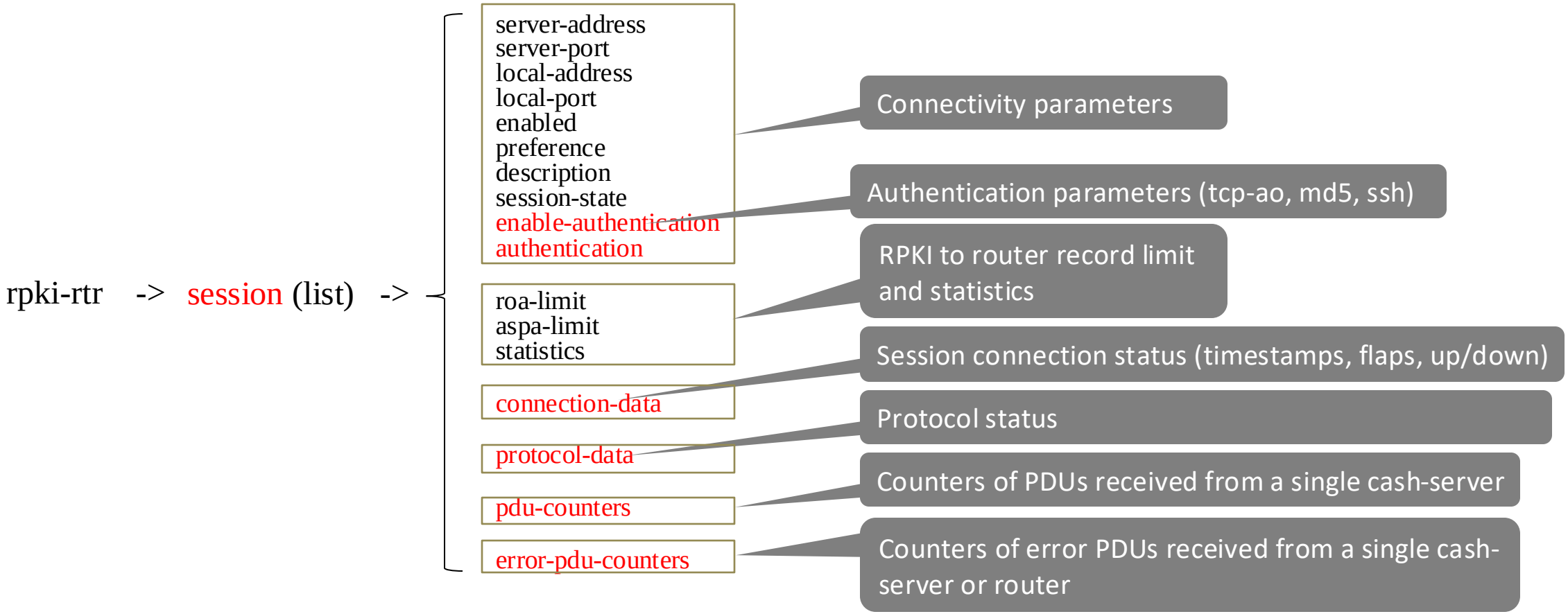
- In 'ietf-rpki-rtr.yang', "**cache-server**" container was **modified** to "**session**", and "**secure-session**" container was **modified** to "**authentication**".

- The content of "rpki-rtr" has been **enriched** and **reorganized** with the **addition** of four new containers: "**connection-data**", "**protocol-data**", "**pdu-counters**" and "**error-pdu-counters**".

ietf-rpki-rtr.yang

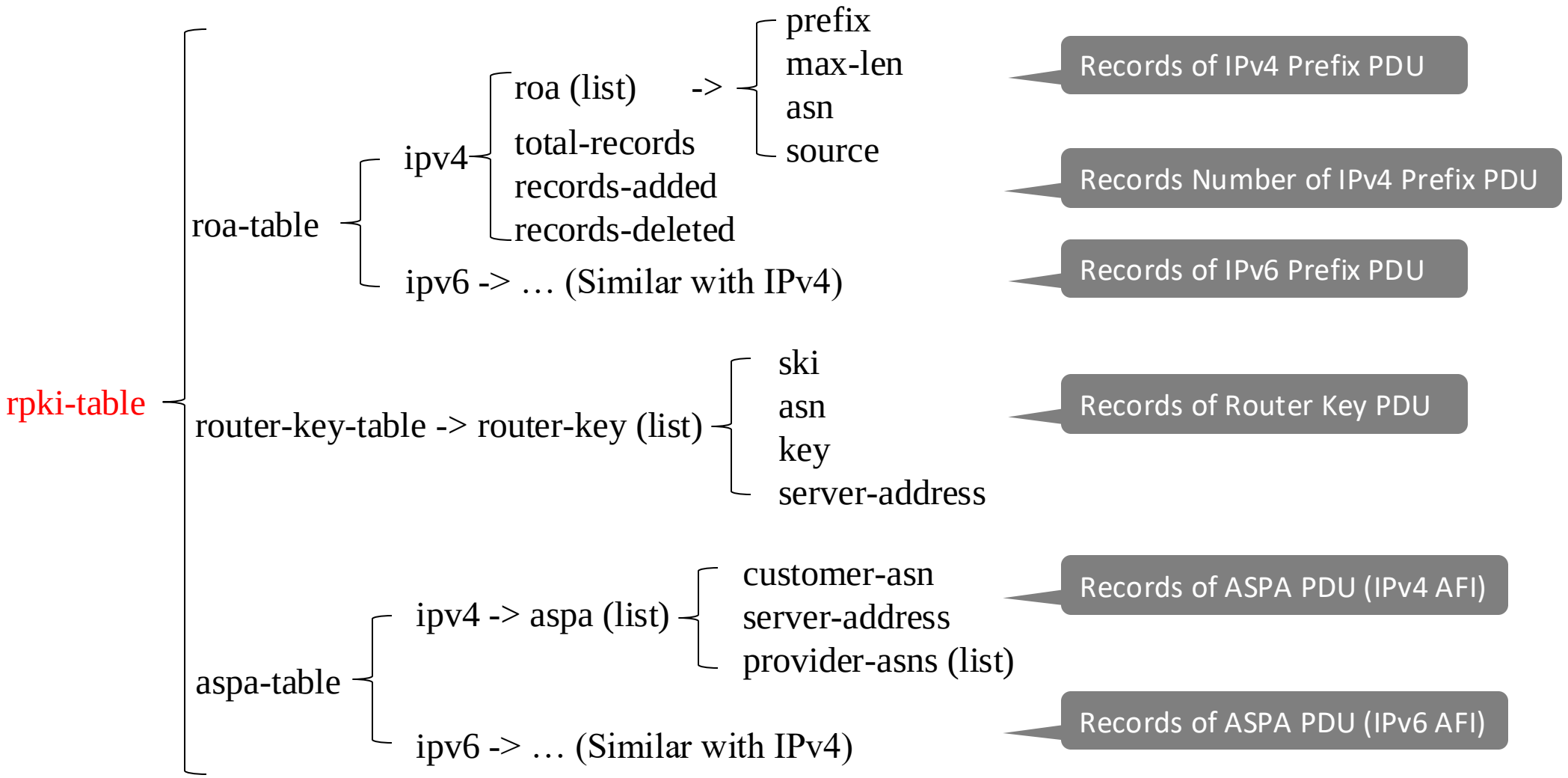
How to configure and manage the RPKI-Router protocol on routers.

augment /rt:routing/rt:control-plane-protocols/rt:control-plane-protocol:



ietf-rpki-table.yang

How to manage records of RPKI-Router Protocol on routers. augment /rt:routing:



Next Steps

- **Future prospects**
- **Request more review to improve the draft.**
- **Queries???**

Thanks