

A YANG Model for SAVNET

[draft-li-savnet-sav-yang-07](#)

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SAVNET YANG Overview

① SAVNET Global/Interface Configuration

② Static SAV-Rules Configuration

Configuration

③ SAV Table

④ SAVNET Interface Information

State

⑤ SAVNET Notifications

Event



```
module: ietf-sav
  +--rw sav
  |   +--rw router-id? yang:dotted-quad ①
  |   +--rw v4sav-entry-limits
  |   +--rw sav-controls
  |   |   ...
  |   +--rw /if:interfaces/if:interface: ①
  |   |   +--rw sav-control
  |   |   |   +--rw sav-enabled? boolean
  |   |   |   |   ...
  |   |   +--rw static-savs ②
  |   |   |   +--rw v4sav:ipv4
  |   |   |   |   ...
  |   |   |   +--rw v6sav:ipv6
  |   |   |   |   ...
  |   |   +--rw sav-tables ③
  |   |   |   +--rw sav-table* [name]
  |   |   |   |   +--ro sav-rules
  |   |   |   |   |   ...
  |   |   +--ro interfaces ④
  |   |   |   +--ro interface* [name]
  |   |   |   |   ...
  |   +--n sav-event ⑤
  |   |   +--ro router-id? yang:dotted-quad
  |   |   |   ...
```

SAVNET YANG

- The SAVNET YANG model consists of three data modules: `ietf-sav`, `ietf-ipv4-sav-rule`, and `ietf-ipv6-sav-rule`, following a structure similar to the YANG data model for Routing Management.
- This Yang model provides a base framework for configuring and managing an SAV subsystem, including SAV basic configurations and states, SAV table and SAV rules. And it also specifies the data model for the static SAV rules application.
- The SAVNET YANG is designed by referring to the SAVNET general functions defined in related drafts, including [[draft-ietf-savnet-intra-domain-architecture](#), [draft-ietf-savnet-inter-domain-architecture](#), [draft-ietf-savnet-general-sav-capabilities](#)].

SAVNET YANG

- ❑ The SAVNET YANG model focuses exclusively on general SAV (Source Address Validation) capabilities and does not involve dynamic SAV rule generation through control plane protocols.
- ❑ The SAVNET YANG model has been updated multiple times based on practical test results and relevant IETF drafts.
- ❑ Also request more review.
- ❑ Believe the content prepared for this draft is already sufficient.
- ❑ Request the SAVNET WG to adopt this draft.

Thanks!