A YANG Data Model for Static Route
draft-liang-rtgwg-staticrt-yang-cfg-00

Qiandeng Liang, Shunwan Zhuang, Gang Yan
Huawei Technologies

IETF 94, Yokohama, Japan
Background Introduction

- This draft defines a YANG data model that can be used to configure and manage the static route, and it includes the following functions:
  - The basic model of static route.
  - The model of extension
    - FRR
    - BFD
    - etc
Design of Data Model

- Staticrt-cfg: The configuration of static route.
  - Identified by VRF-name, Address Family, Topo Name, IP Prefix/Mask, Outgoing interface and nexthop.
  - The basic parameter: Cost, Tag, Distance(Preference), etc.
  - Some extensions: FRR support, BFD support.
- Staticrt-state.
- Staticrt-statistics.
- BFD-paras-cfg.
Next Steps

• Update for abstraction of basic static route.
• Update base on the DEVICE-MODEL and ROUTING-CFG model.
• Looking for cooperation.
• Welcome more comments.