

# How to Learn and Use YANG Introduction

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08-11 Sep 2015

# Essential Reading



- a) RFC6020 “YANG - A Data Modeling Language for the Network Configuration Protocol (NETCONF)”
- b) RFC6087 “Guidelines for Authors and Reviewers of YANG Data Model Documents”
- c) RFC7223 “A YANG Data Model for Interface Management”
- d) RFC7224 “IANA Interface Type YANG Module”
- e) RFC7317 “A YANG Data Model for System Management”
- f) IETF Draft (draft-ietf-netmod-routing-cfg-19) “A YANG Data Model for Routing Management”

- IETF71 YANG tutorial – <http://www.yang-central.org/twiki/bin/viewfile/Main/YangTutorials?rev=2;filename=tutorial-ietf71.ppt>
- YANG Central - <http://www.yang-central.org/twiki/bin/view/Main/WebHome>
- NETCONF and YANG tutorial - <https://ripe68.ripe.net/presentations/181-NETCONF-YANG-tutorial-43.pdf>
- A Guide to NETCONF for SNMP Developers - [http://www.ieee802.org/802\\_tutorials/2014-07/Tutorial\\_Berman\\_1407.pdf](http://www.ieee802.org/802_tutorials/2014-07/Tutorial_Berman_1407.pdf)



- NETMOD discussion list - <http://www.ietf.org/mail-archive/web/netmod/current/maillist.html>

*“... The NETMOD working group has defined the data modeling language. YANG, which can be used to specify network management data models that are manipulated by the NETCONF protocol. The NETMOD working group also defined a number of core data models as basic building blocks. The purpose of the NETMOD working group is to support the ongoing deployment of YANG by maintaining and evolving the core YANG specifications based on usage experience ...”*

- Routing YANG coordination list - [https://mailarchive.ietf.org/arch/search/?email\\_list=rtg-yang-coord](https://mailarchive.ietf.org/arch/search/?email_list=rtg-yang-coord)

*“... The rtg-yang-coord mailing list will provide a forum for coordination of the development of YANG models being worked on for Routing, in order to provide a consistent view to the NMS ...”*

- OpenConfig - <http://www.openconfig.net/home>

*“... OpenConfig is an informal working group of network operators sharing the goal of moving our networks toward a more dynamic, programmable infrastructure by adopting software-defined networking principles such as declarative configuration and model-driven management and operations. The initial focus of the effort is on the development of vendor-neutral data models for configuration and management that will be supported natively on networking hardware and software platforms ...”*



- YANG modules from standards organizations (e.g., IEEE, IETF, open source such as Open Daylight or vendor specific modules) are deposited in a central repository located at <https://github.com/YangModels/yang>
- Provides a powerful collaborative, code review, and code management tool for open source and private projects

