git repo for IEEE 802.1

yangsters-smansfield-git-repo-0123-v01

Executive Summary

- https://github.com/ieee8021/yang
  - Is a fork of https://github.com/YangModels/yang
- Editors working on YANG
  - Create a local clone only of the ieee8021 yang repository
- Interaction with the IETF's YANG repository by the project editors is not necessary

Overview

- For Background see:
  - https://www.ieee802.org/1/files/public/docs2022/yangsters-smansfield-yang-git-1122-v01.pdf
  - https://www.ieee802.org/1/files/public/docs2022/yangsters-smansfield-git-examples-1122-v03.pdf
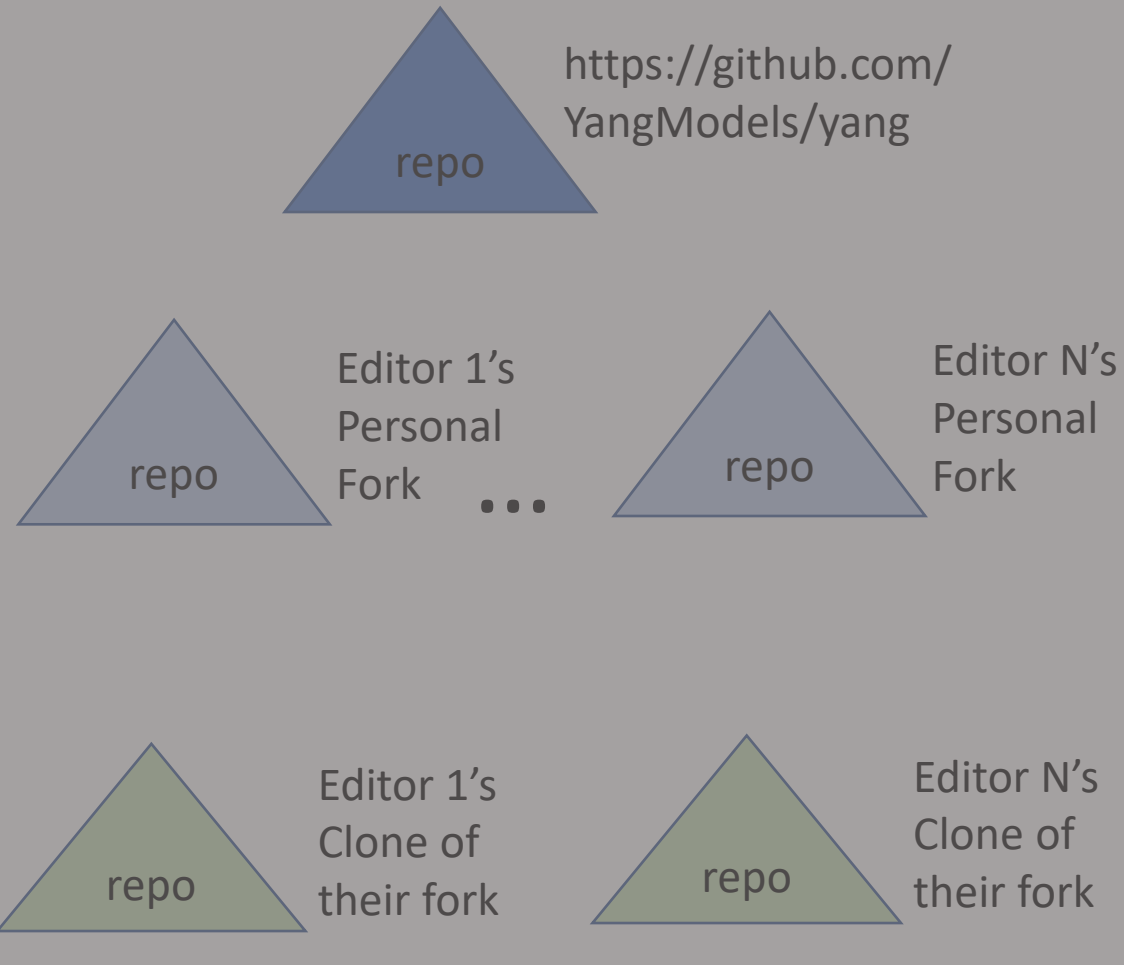- Models are published here: https://github.com/YangModels/yang
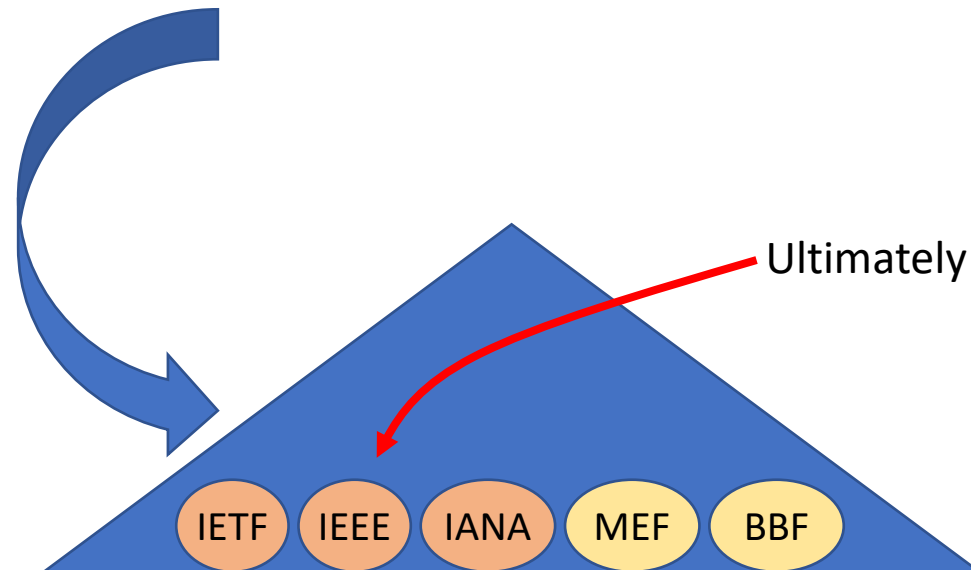
Ultimately a copy of Published YANG goes here
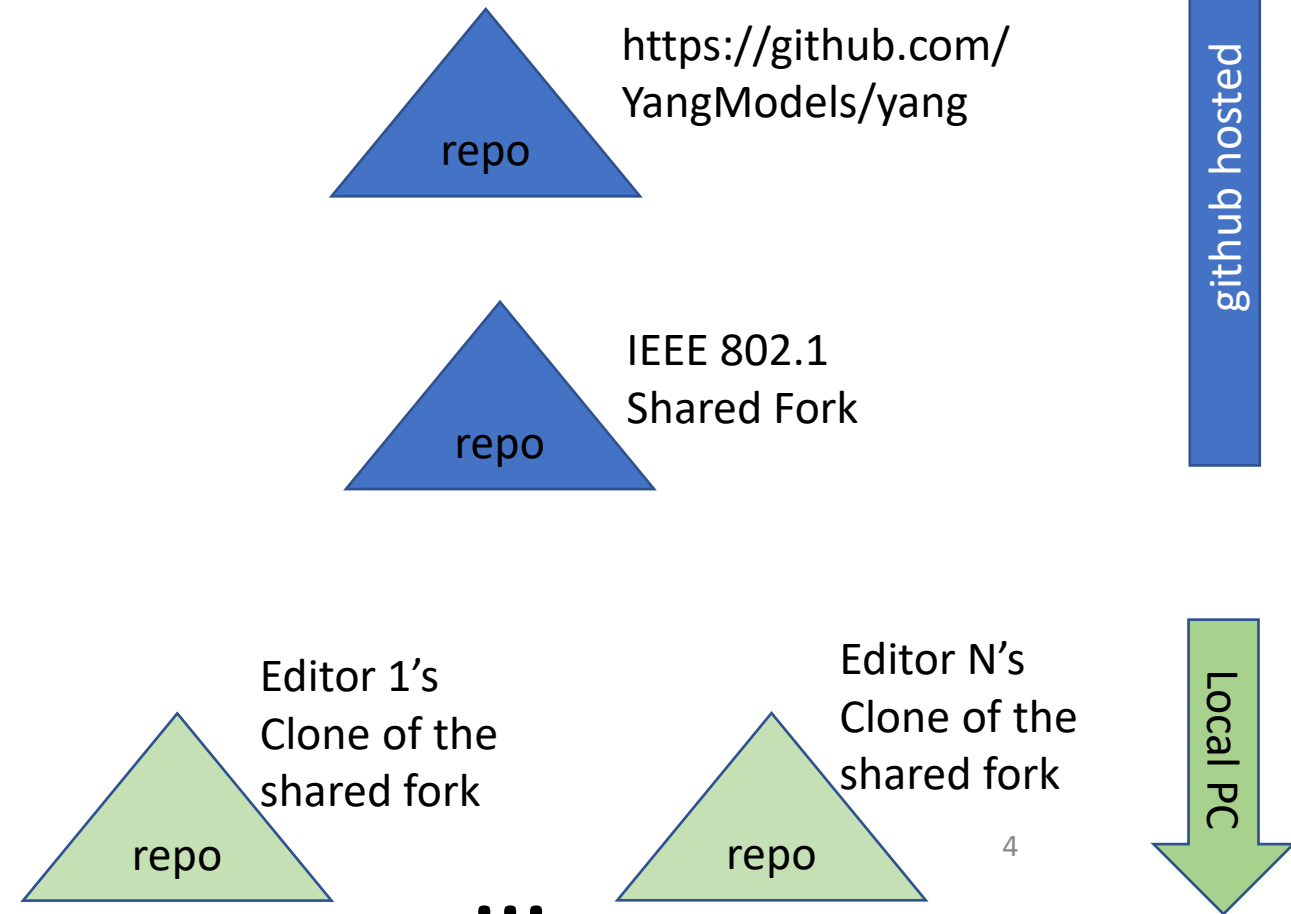
IETF   IEEE   IANA   MEF   BBF

We need a low overhead process for IEEE 802.1 authors to write, validate and publish YANG

This tutorial discusses the shared model (from the background material)

Today's mode of operation (fork and pull)

repo — https://github.com/YangModels/yang

repo — Editor 1's Personal Fork ... repo — Editor N's Personal Fork

repo — Editor 1's Clone of their fork   repo — Editor N's Clone of their fork

Possible mode of operation (shared)

repo — https://github.com/YangModels/yang

repo — IEEE 802.1 Shared Fork

repo — Editor 1's Clone of the shared fork ... repo — Editor N's Clone of the shared fork

github hosted

Local PC

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High Level Description of Lifecycle

- [Shared style](#)
  - IEEE YANGster "yang leader" forks the IETF's YangModels/yang repository
  - The "yang leader" enables access to the shared repository for all IEEE yang editors
  - Each editor clones the shared repository to their local development environment
  - Develops their changes in a branch on their local development environment
  - Commits locally, then pushes their branch to the shared repository, then creates a pull request to merge their branch into the main branch of the shared repository
  - The "yang leader" will review and approve the pull request
  - If merged, the "yang leader" can submit the pull request to the IETF's YangModels/yang repository

Work to do

- Migrate to use main instead of master
- Secure the branches, to lock down main, and require review of pull requests
- Add Continuous Integration (CI) scripts to run validation tests automatically
- Training material/FAQ with git/github commands

Ask

- Contact Scott or Stephan
  - If interested in helping be a YANG Leader
  - If you are an editor of a project with YANG and need to know more
  - If you need help getting started

- Thanks!