faucetagent.py: a very simple gNMI agent for configuring FAUCET

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How could you configure FAUCET using gNMI?

- gNMI (gRPC Network Management Interface) is a network configuration/device management protocol that uses gRPC

- If you already have tools or management infrastructure that uses gNMI, how can you use it to talk to FAUCET?

faucetagent.py

- Allows you to read or (re)write FAUCET's config file using gNMI

- Optionally signals FAUCET

- That's all it does (for now at least.)

- Demo

- FAUCET agent: https://github.com/faucetsdn/faucetagent

- gNMI spec: https://github.com/openconfig/reference/blob/master/rpc/gnmi/gnmi-specification.md

- gNxI tools: https://github.com/google/gnxi