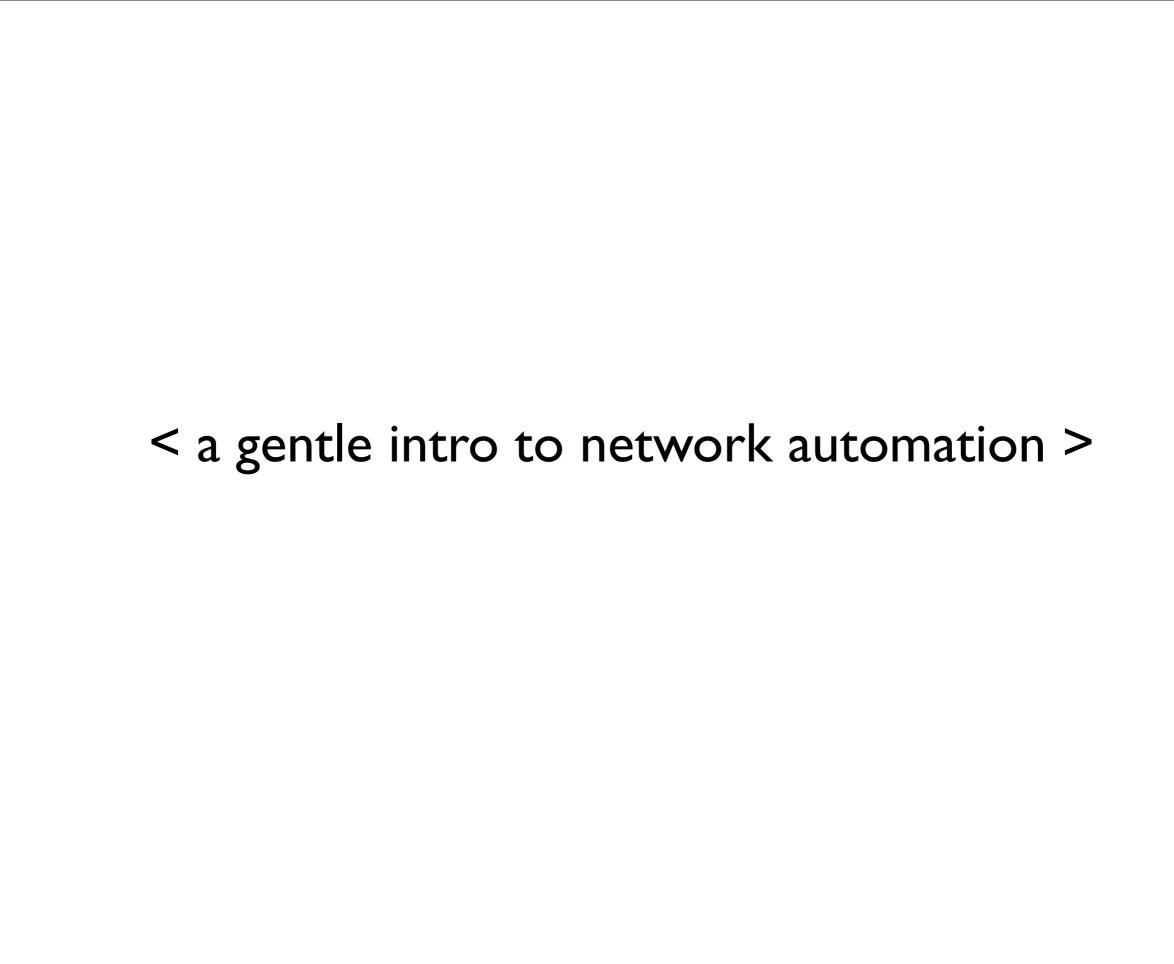
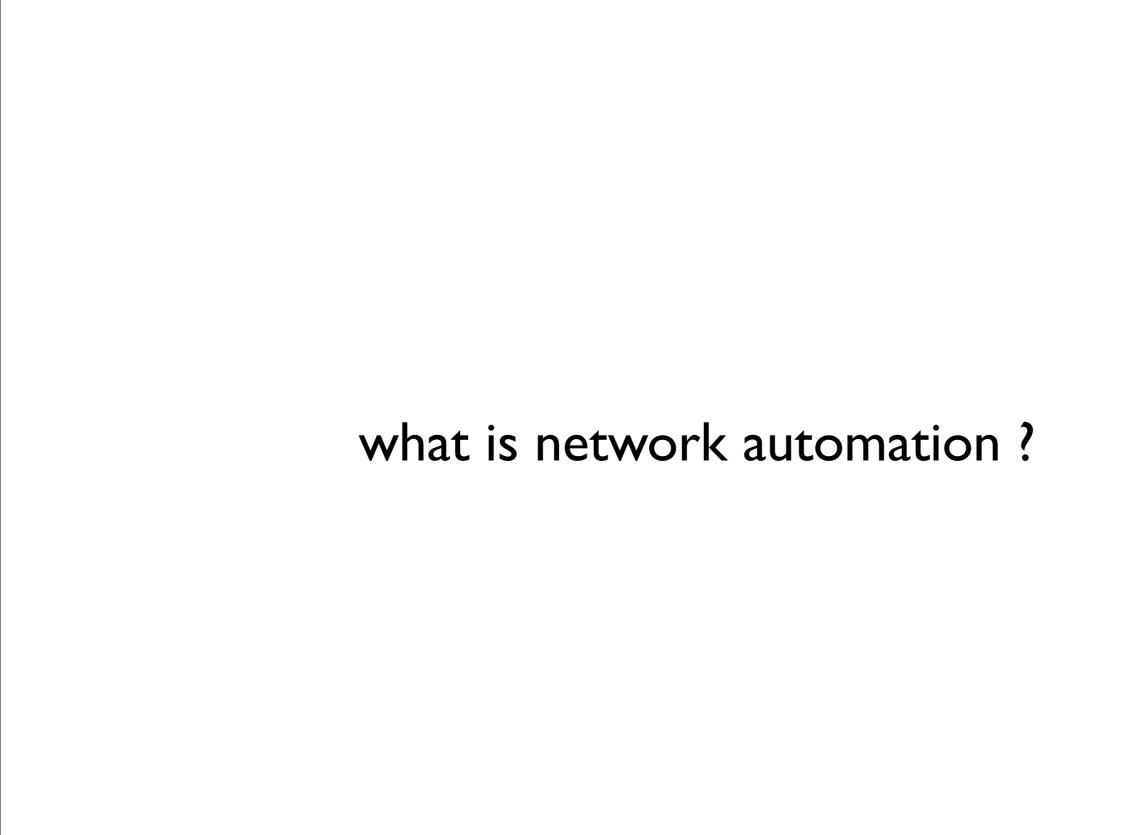
# < Intent Driven</p> Software Defined Network Automation >

Ed's comment about a title 'the sexier the title, the better'

<insert sexy title here>

< insert real title here>





- -- automating repetitive tasks?
- -- systems replacing neteng's?
- -- does it depend on who <insert vendor here> you ask?

-- have you heard of netdevops?

-- wtf is netdevops?

-- wtf is netdevops?

devops for net infra

- -- advantages
- -- reduces toil ie. repetitive tasks
  - -- reduces human errors
- -- <business speak alert> reduces operational expeniture<br/>-- how ?
  - -- smaller teams doing the same or more than previously possible
  - -- lower number of human induced outages = less grumpy customers

-- tooling - run through

-- tooling - run through

- ansible
- chef/puppet
  - salt

-- tooling - run through

-- language specific tooling

-- python

-- napalm

-- netmiko

-- tooling - run through

- -- custom tooling
- -- collection of python code snippets
- -- have seen examples of go being used as well

- -- very cool things
- -- cloudflare Ik peers migrated with salt
- -- juniper customer juniper cto discussing ml model for optic breakages

- -- very cool things
- -- own experience auto bgp prefix amendments
  - -- bgpq3 --> irrs
  - -- data into db
  - -- diff nightly on prefix data ie new compared to existing
    - -- notification to neteng about change permit change
      - -- or implement change and then notifiy

-- demo time

-- where to start?
networktocode slack community
packetpushers
software gone wild
network collective

thanks;)