Network Automation Evolution - as seen by Eric

Eric Chou
Twitter: @ericchou
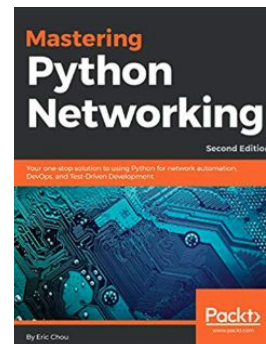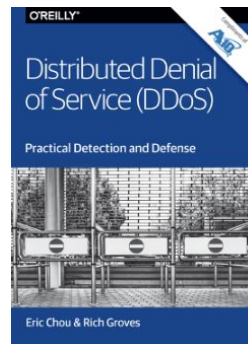LinkedIn: https://www.linkedin.com/in/choueric/

Meet Eric

Networking: 2000 -> Now

Past affiliations: Ex-Amazonian, Ex-Microsoftee, Ex-CCIE

Likes Networking and Python

Currently works for A10 Networks

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以古為鏡，可以知興替
以人為鏡，可以明得失

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Milestones

2000 - 2008

Cisco, Juniper (vendor -driven innovation)

2008

Gartner starts to talk about the cloud (cloud-driven innovation)

2012 - Now

OpenStack, Ansible, Facebook FBOSS, SONiC, Open Compute, etc. (open source drives innovation)

CLI

Post-CLI

2006 AWS Launch (EC2 2007)

2010 Azure Launch (announced 2008)

2010 OpenFlow

Separation of control and forwarding plane

2019

Cisco DevNet Certification Change

Maybe..

No more network engineers, just DevOps

Network Architects

Steve Jobs: not everybody need trucks

Open Source will drive innovation

(Telecom -> Vendors -> Big Corp -> Open Source)

View = My Own

Our Path Forward: to my younger Self

- Be broad, but don't be a generalist, pick a field to focus on first.
  - CI/CD, Ansible, Python, Cisco
- Find small wins on the right projects
  - Because things are hard
- Set goals but don't be obsessed
  - Be committed to efforts
  - Separate decision making from results.

Good luck!

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