

Mad Max SDN

In the future we will eat dogfood



Standard disclaimer

- This is all Josh's view as a researcher
- Doesn't necessarily represent Google's view

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A good question (more on this tomorrow)



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 Follow

Our office network is currently running on [@REANNZ](#) developed [#SDN](#) controller - who else out there can say they are using SDN in production?

It's 2015, and...

- SDN is still with the early adopters and special-casers
- We can't even make switch apps (some controllers come with unusable switch examples - port move - oops! IPv6 - oops!)
- **If we can't even make a switch app that works, how can we realize our more advanced goals (and why should anyone believe us researchers)?**

We need to take care of the basics

- Basic apps that you can trust your own network to (and be gateways to the future)
- Basic integration with non-SDN networks (speak ARP, BGP)
- GOOD NEWS
 - rumors of ARP and BGP's complexity are greatly exaggerated
 - manifestly undergraduate level complexity (at least for NZ undergraduates :-)

An image to leave you with

