

# NECTREMA

## A PLAUSIBLE CHOICE

by can.

# T..R..E...WHAT?


- “Trema is a full-stack, easy-to-use framework for developing OpenFlow controllers in Ruby and C.”  
--- <http://trema.github.com/trema/>
- “ I poked through Trema recently. It looks like a \*great\* project. Very clean. ”  
--- Martin Casado, Nicira CTO
- “Write it short, run it fast!”



# TREMA VS. NOX/POX


- ruby vs. python
- nec vs. nicira
- ??? vs. **routeflow**
- openstack plugin vs. ???

# THE KILLING APP ?

- routeflow
- why it's a must
- 迷一样的项目书 
- Trema as a backup solution, maybe



# FUTURE PLANS

- 获得了战功称号“打酱油的”...目测还要酱油一段时间
- 并发能力不行啊少年... 
- concentrate on openflow, the so-called “software defined network(SDN)”
- how to do routing in our testbed --- the major problem now
- not familiar with inter-domain routing




# A WHOLE PICTURE

- our path now:
- connect existing nodes(hosts and switches) to build a base network
- then slice it into pieces(flowvisor), make it routable(routeflow)
- inject user applications(and keys, configurations, blahblah...) into hosts(virtual ones) and give them to the user
- problem: not so flexible as I wished



# WHAT IS REAL ? ...IN A TESTBED

- tradeoff between Real and Virtualization
- 问题上升到哲学高度是没有意义的
- 同样的需求，每个人的理解不一样
- Mr. 林 --- Dr.梁 --- the mass --- Ms.陈
- 何况还有...
- 迷一样的项目书 
- 朝着目标努力很容易，关键是还没找到目标
- ...and 我们做的是研究性项目还是工程性项目？

# REQUEST FOR COMMENTS

- 千头万绪，不知所云
- just dǎ it.