Mininet Version 2.2 (beta)

Bob Lantz, Brian O'Connor, Cody Burkard, Gregory Gee + Contributors

**Experimental Cluster Edition**

```python
topo = Tree(depth=2, fanout=4)
servers = ['localhost', 'server2', 'server3', 'server4']
net = MininetCluster(topo=topo, servers=servers)
net.start()
net.pingAll()
net.stop()
```

...or a simple command line option:

```
# mn --topo tree,depth=2,fanout=4 --cluster localhost,serve
```

**OpenFlow 1.3 Support**

- `mn --switch ovs`, `protocols=openflow13`
- `install.sh -w` installs 1.3-compatible Wireshark dissector using Loxigen
- `install.sh -y` installs Ryu 1.3-compatible controller

**Bridge, Router, NAT nodes + LAN/Internet connectivity**

- `LinuxBridge br1` (STP optional)
- `LinuxRouter r1`
- `NAT n1`

Easy connectivity using `mn --nat`

**Improved MiniEdit GUI**

![MiniEdit GUI]

**Improved Build Infrastructure**

- `build.py` script automates VM creation for Mininet, tutorials, ONOS, etc.
- Jenkins Job Builder
  - Gerrit for Job Specs/Templates
  - backed up
  - review + submit updates Jenkins
  - reliable changes to multiple jobs
- Hardware build server (faster)
  - we run all tests on all platforms nightly, including examples and walkthrough

ONOS Partners: