

A4M35OSP
VyOS

The logo for VyOS, featuring the word "VyOS" in a bold, sans-serif font. The "V" and "OS" are black, while the "y" is orange. The "y" has a unique design where the top part is a circle that loops back to the left, and the bottom part is a vertical line that tapers to a point.

What is VyOS

VyOS is a Linux based routing solution built on the Debian Linux distribution.

VyOS is a community fork of Vyatta, a Linux-based network operating system that provides software-based network routing including routing protocols such as BGP and OSPF and complex routing policy language, firewall, and VPN functionality.

Runs on physical and virtual platforms alike: small x86 boards, big servers, KVM, Xen...

Completely free and open source, with documented internal APIs and build procedures.

Source: <http://en.wikipedia.org/wiki/VyOS>, http://vyos.net/wiki/Main_Page

VyOS development

Current stable release: VyOS 1.1.4 (Helium), Old stable release: VyOS 1.0.5 (Hydrogen)

Community resources

Project homepage: vyos.net

Source code repos: github.com/vyos

Development blog: vyos-dev.tumblr.com

Social Networks: [Twitter](#) - [@vyos_dev](#)

Bug Tracker: bugzilla.vyos.net

IRC: [#vyos](#) on Freenode

Forum: forum.vyos.net

VyOS development group

cyclops8456 - **Alex Harpin** - 76 commits last month

dmbaturin - **Daniil Baturin** - 18 commits last month

higebu - **Yuya Kusakabe** - no commit last month

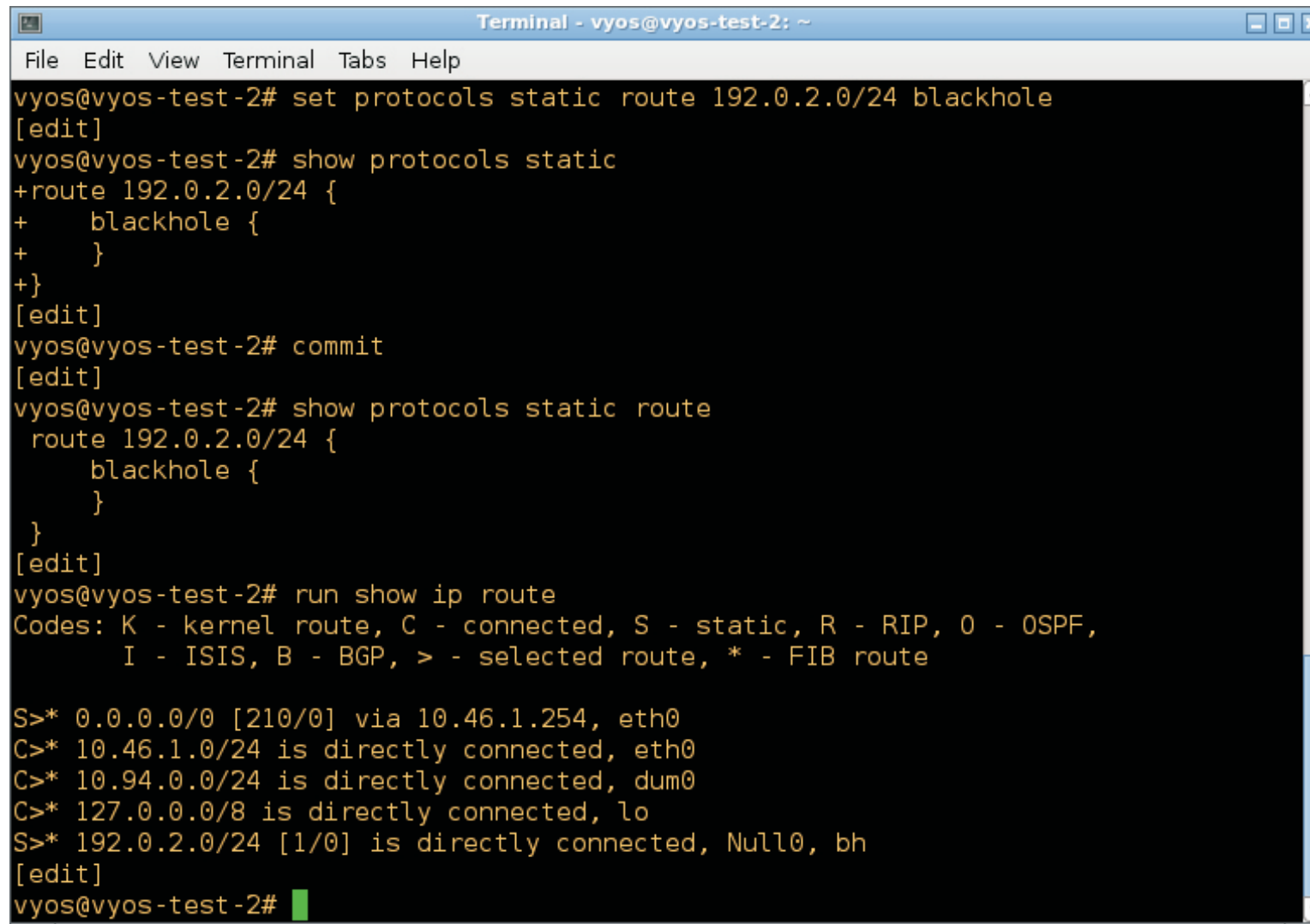
UnicronNL - **Kim** - no commit last month

(according to github.com, on repos from vyos group at 3/18/2015)

How to configure VyOS

Stateful configuration system:

prepare changes and commit at once or discard,
view previous revisions or rollback to them,
archive revisions to remote server, execute hooks at commit time...



```
Terminal - vyos@vyos-test-2: ~
File Edit View Terminal Tabs Help
vyos@vyos-test-2# set protocols static route 192.0.2.0/24 blackhole
[edit]
vyos@vyos-test-2# show protocols static
+route 192.0.2.0/24 {
+  blackhole {
+  }
+}
[edit]
vyos@vyos-test-2# commit
[edit]
vyos@vyos-test-2# show protocols static route
route 192.0.2.0/24 {
  blackhole {
  }
}
[edit]
vyos@vyos-test-2# run show ip route
Codes: K - kernel route, C - connected, S - static, R - RIP, O - OSPF,
       I - ISIS, B - BGP, > - selected route, * - FIB route

S>* 0.0.0.0/0 [210/0] via 10.46.1.254, eth0
C>* 10.46.1.0/24 is directly connected, eth0
C>* 10.94.0.0/24 is directly connected, dum0
C>* 127.0.0.0/8 is directly connected, lo
S>* 192.0.2.0/24 [1/0] is directly connected, Null0, bh
[edit]
vyos@vyos-test-2#
```

Source: http://vyos.net/wiki/Main_Page

My contribution to VyOS project

Command Linet Interface improvements

Issues from CLI group.

Specifically: Bug 456 - Add CLI for iperf

Iperf is included in image but there is no CLI for it.

Frequently needed for testing network bandwidth.
Also I'm personally missing it.

Thank you for attention