

Advanced Routing

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Overview

- What is routing?
- Routing metrics
 - Source
 - Destination
 - Type of Service
 - Other: reliability, weight, distance, bandwidth, etc.
- Assymmetric routing
- Multiple routes to same or different destination(s)
- Dynamic routing

Routing in Linux

- “Old” Routing (pre 2.4.x)
- iproute2
 - Source
 - Destination
 - Type of Service
 - Equal cost multipath
- iptables
- quagga/zebra
- Load Sharing: bonding, eql, teql, multilink ppp, etc.

Caveats

- IP Forwarding
- Reverse Path Filtering
- Marriage of iproute2, iptables, kernel

Further Reading

- <http://www.lartc.org/>
- <http://www.quagga.net/>
- <http://oasis.frogfoot.net/clug/>