

Vigor NFs

- NAT
- Load balancer (Maglev)
- Traffic policer
- MAC-learning bridge
- Firewall

Verify On Every Commit

NF	NF-only	
NAT	7 sec +	54 × 88 sec
Load Balancer	23 sec +	146 × 219 sec
Traffic Policer	14 sec +	37 × 82 sec
Bridge	7 sec +	69 × 80 sec
Firewall	6 sec +	43 × 88 sec

- Verify NF in minutes
- Verify Full-stack in hours
- Embarrassingly parallel
- Found bugs in:
DPDK pkt proc framework
Intel NIC driver
Our NFs