Smart Switches, DSLAMS and GPONs

Re-imagining the telco network with app-enabled devices

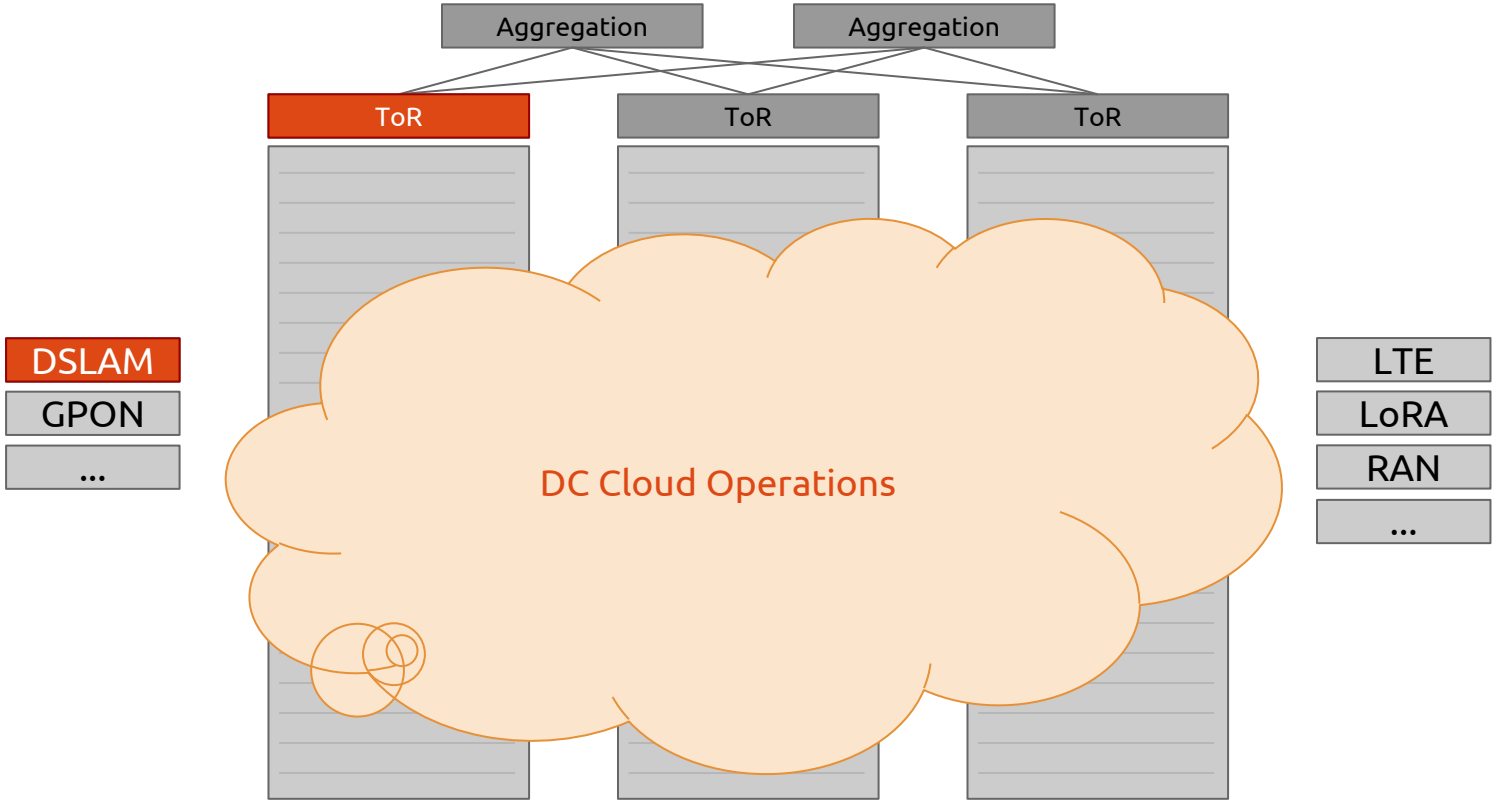
CANONICAL

70% of AWS images
80% of Azure Linux
70% of Docker image
65% of Large OpenStack

70%

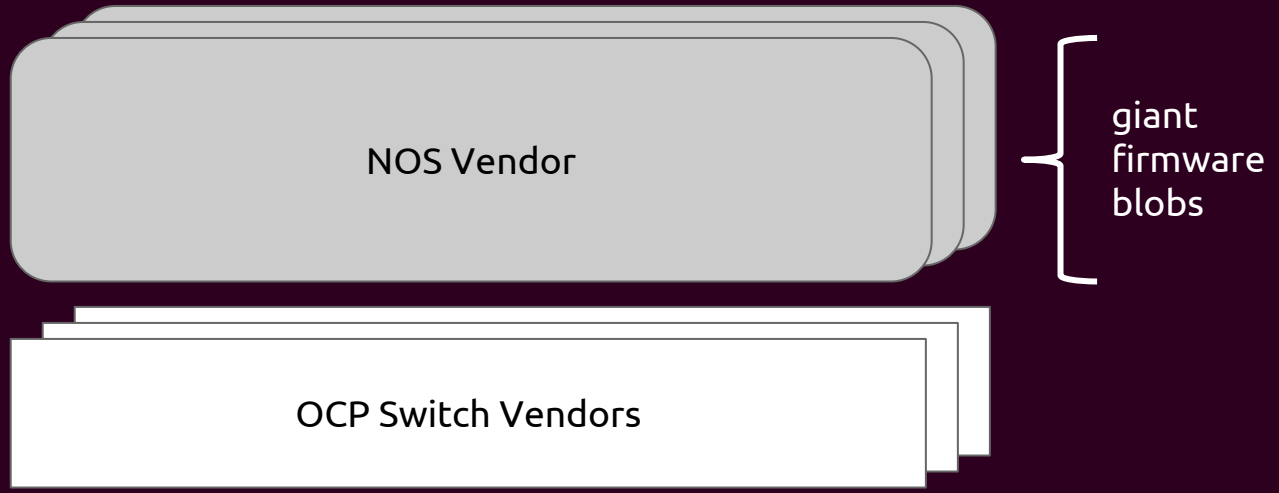
The default platform for scale-out

Central Office as Data Centre

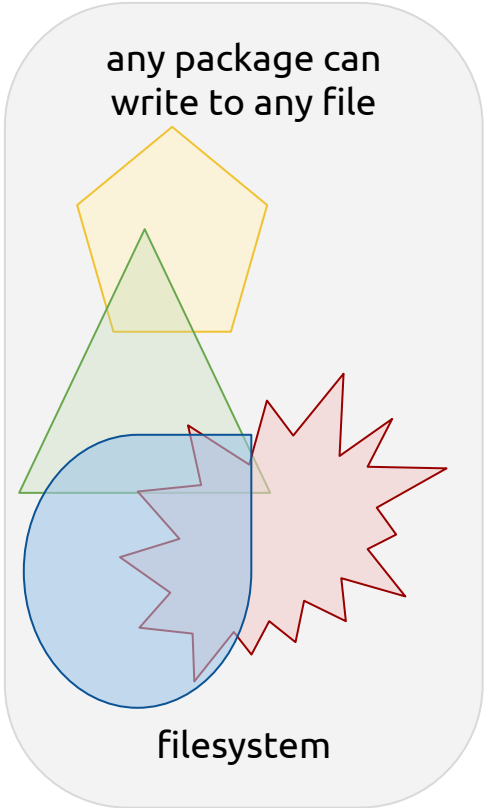


economics and innovation

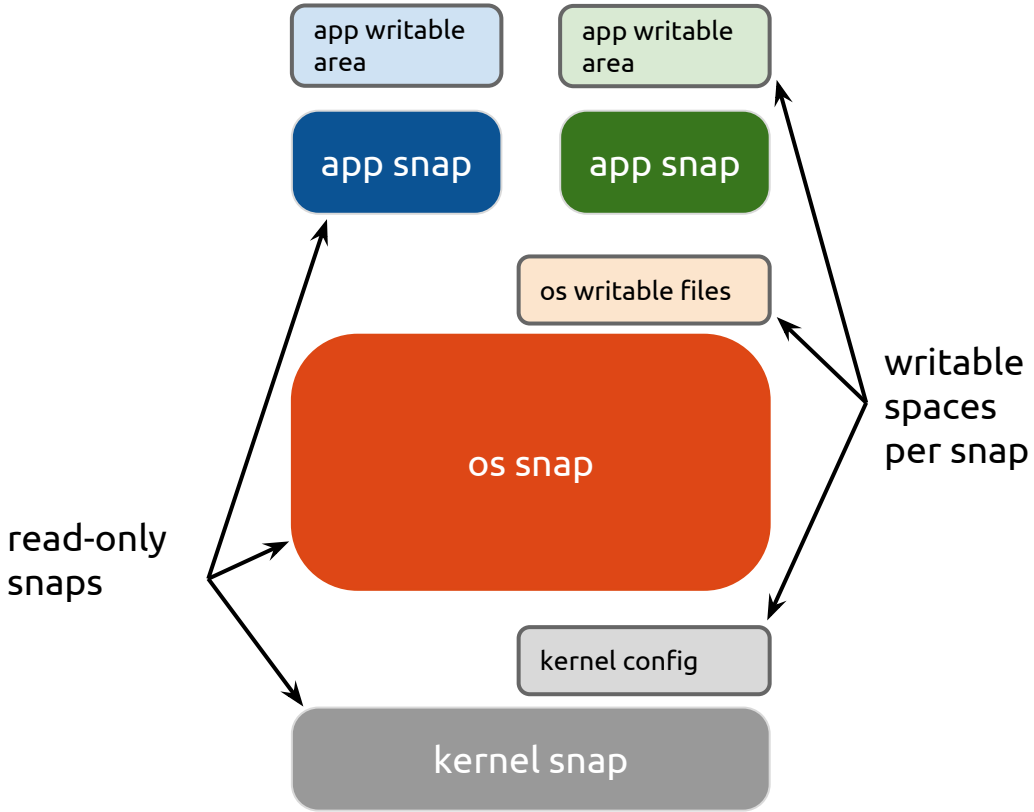
separating hardware from software

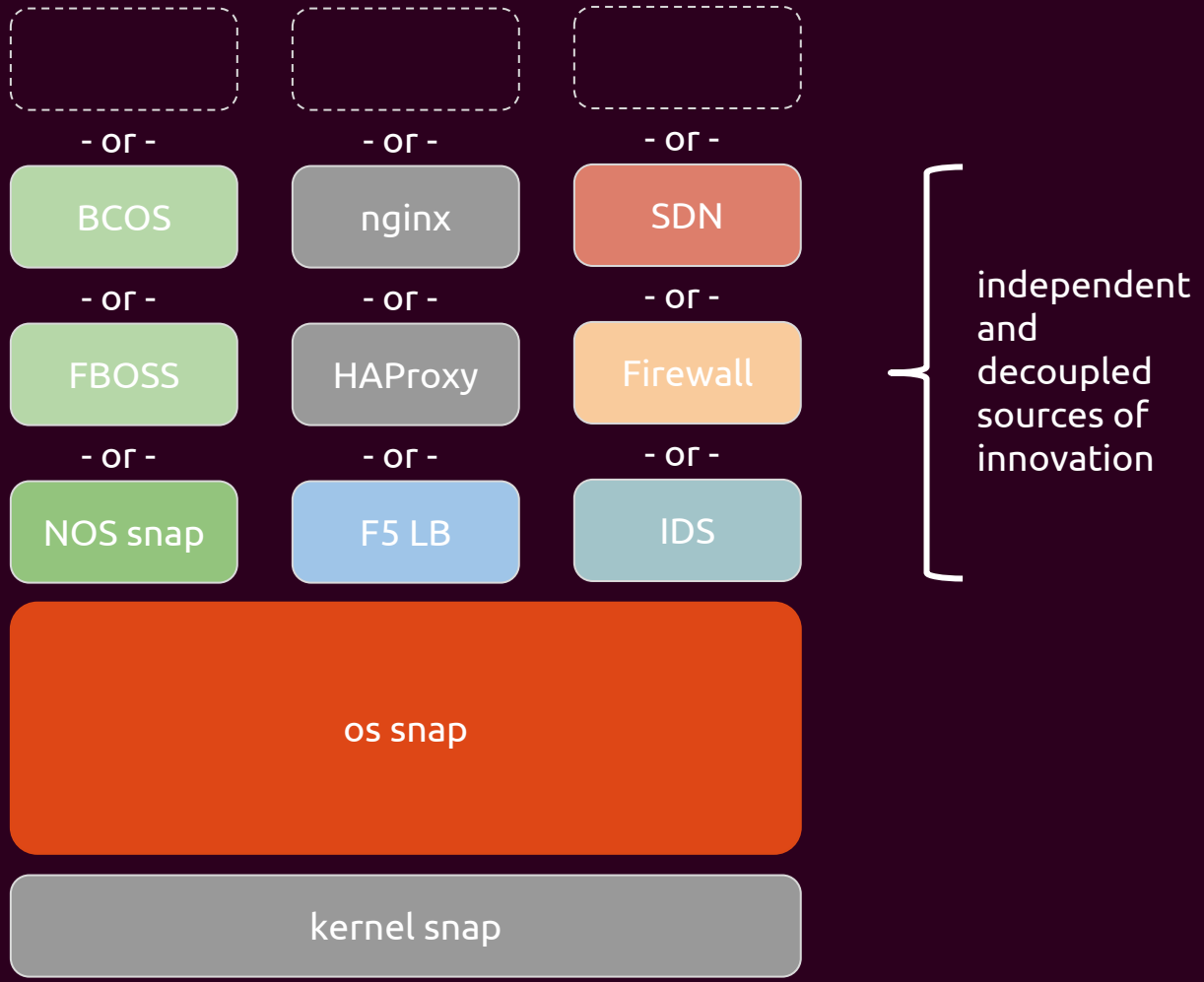


classic



snappy

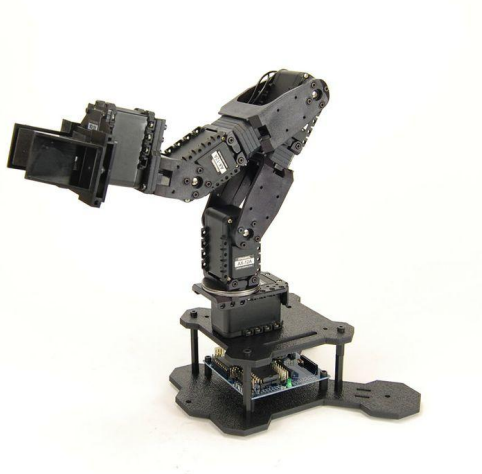


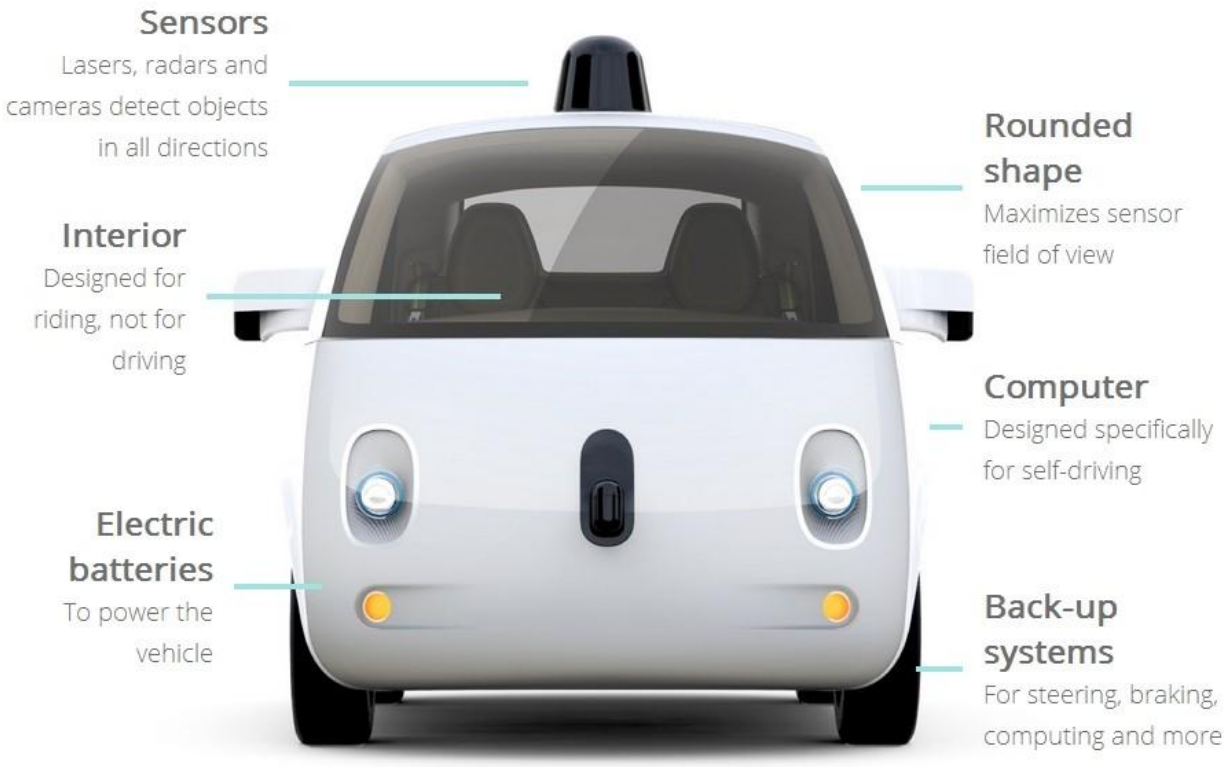

- or -
- or -
- or -
BCOS
nginx
SDN
- or -
- or -
- or -
FBOSS
HAProxy
Firewall
- or -
- or -
- or -
NOS snap
F5 LB
IDS
os snap
kernel snap
independent
and
decoupled
sources of
innovation

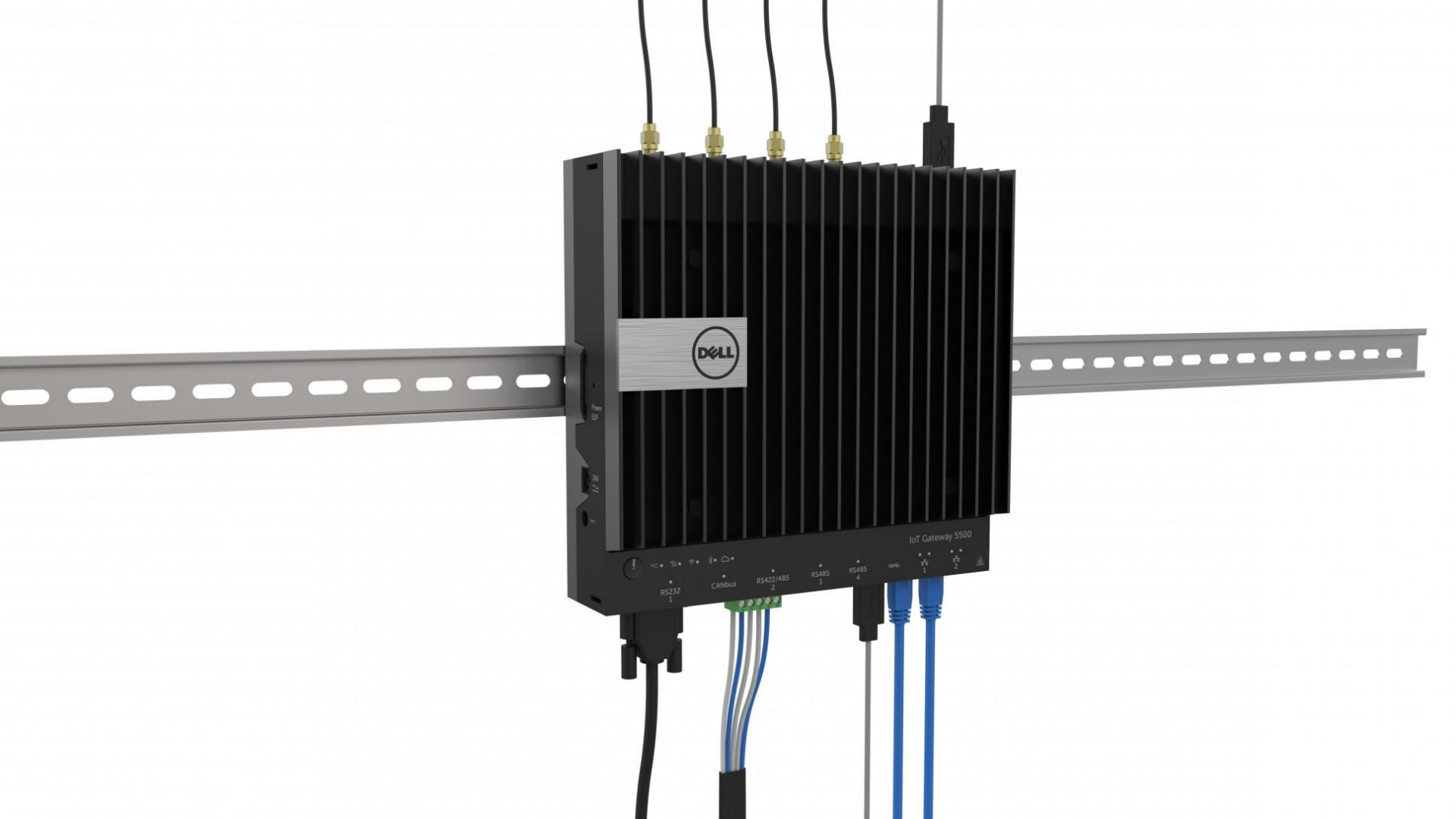
transactional update and rollback

security

Open Source Robotics Foundation




Sensors
Lasers, radars and cameras detect objects in all directions
Interior
Designed for riding, not for driving
Electric batteries
To power the vehicle
Rounded shape
Maximizes sensor field of view
Computer
Designed specifically for self-driving
Back-up systems
For steering, braking, computing and more


IoT Gateway 5500
RS232
1
CANbus
RS422/485
2
RS485
3
RS485
4

They are designing the future

Snappy store

Thu, October 22nd 2015, 10:37:35 pm

Installed snaps

A-Z | kB | Grid | Row

beagleblack
692.54 kB

lxd
73.98 MB

pastebinit
287.77 kB

ubuntu-core
-1 B

webdm
36.67 MB

xkcd-webserver
39.01 kB

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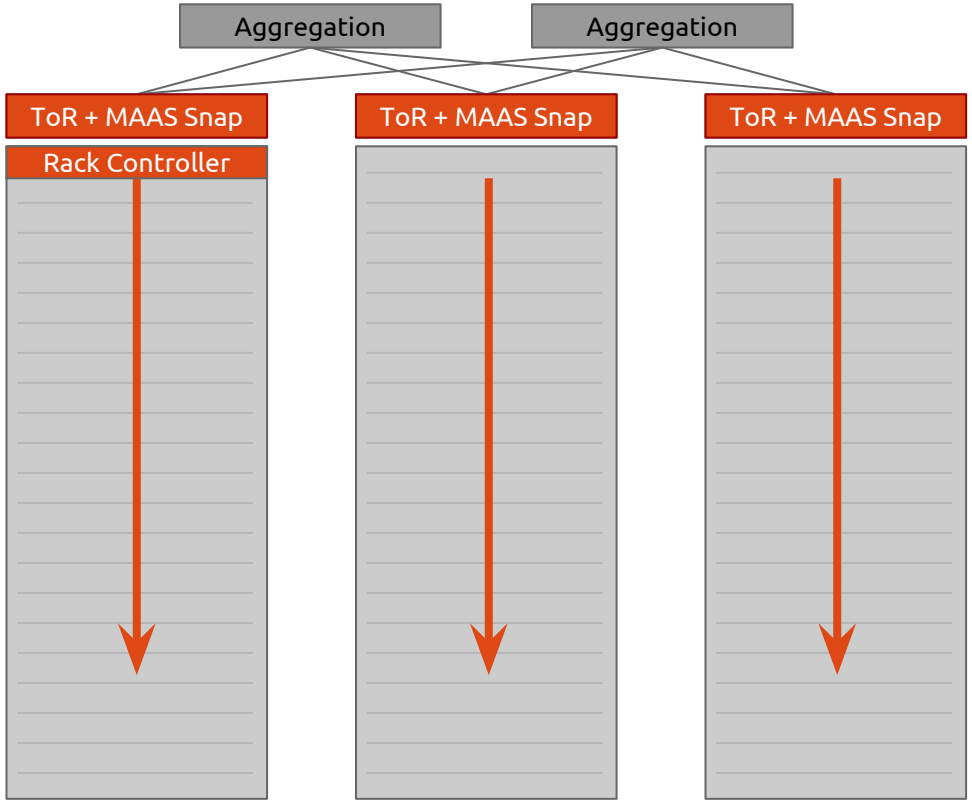
economics and operations

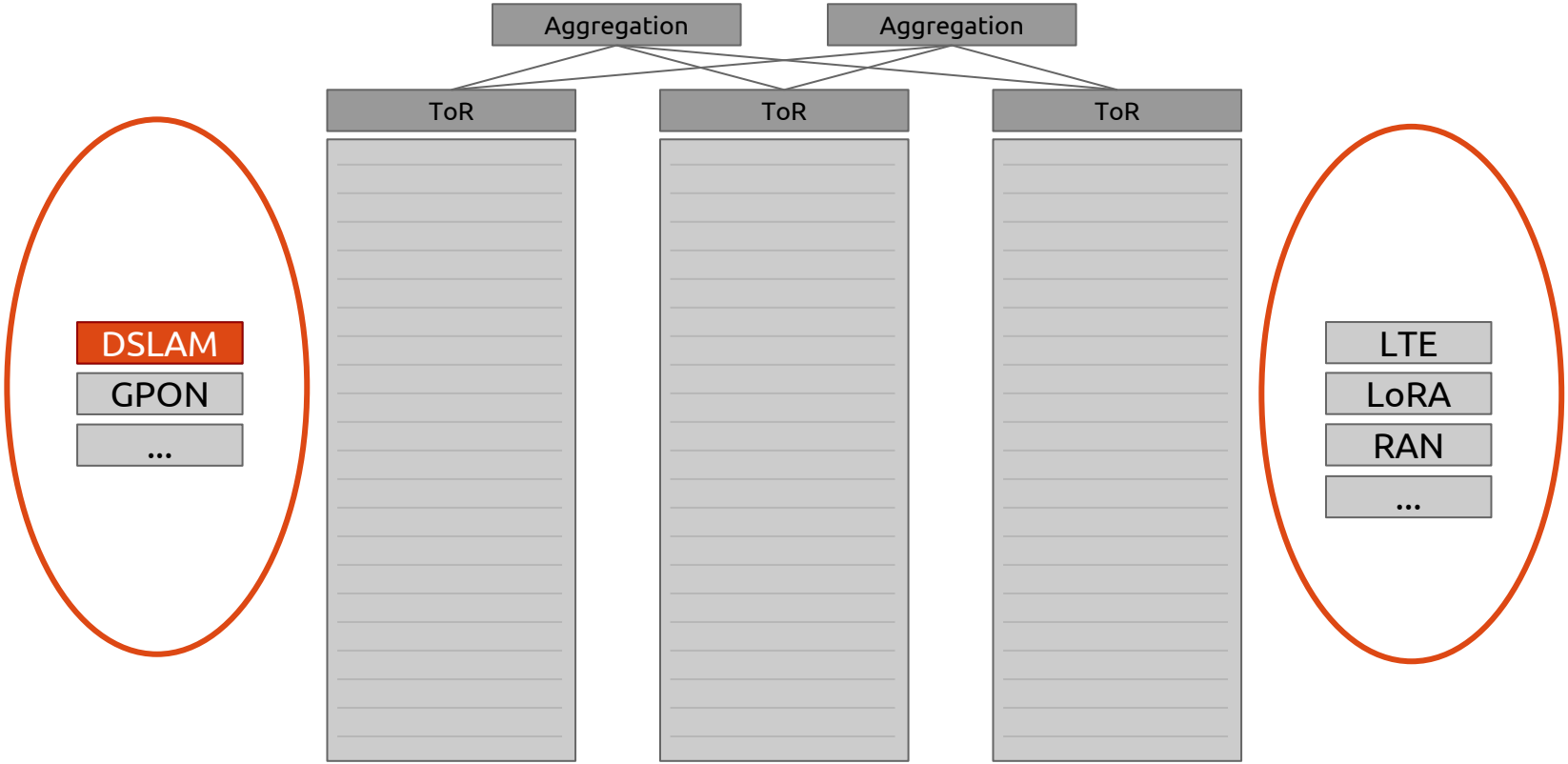
Data Centre Staging and Operations

MAAS

HA Region Controller

- Hardware inventory
- OS provisioning
- PXE
- IPMI
- DHCP
- DNS



economics and the future

New Frontiers for OCP Networking