



HIGH SPEED HIGH AVAILABILITY DATA SWITCHING

Software Defined Networking

AGGREGATED SWITCHING

With the arrival new cloud based applications; user demands for faster & more sophisticated data requirements as well as arrival of 5G communication demand for faster & higher capacity switches are driving demand. The traditional manufacturers such as CISCO, Juniper, Huawei..... Intend to keep equipment aggregated so as a switch hardware & software are bonded together as proprietary box to monopolise & manipulate the customer & market. Centralised & aggregated switching works best to manipulate customers.

DE-AGGREGATED ABSTRACT NETWORK CONCEPT

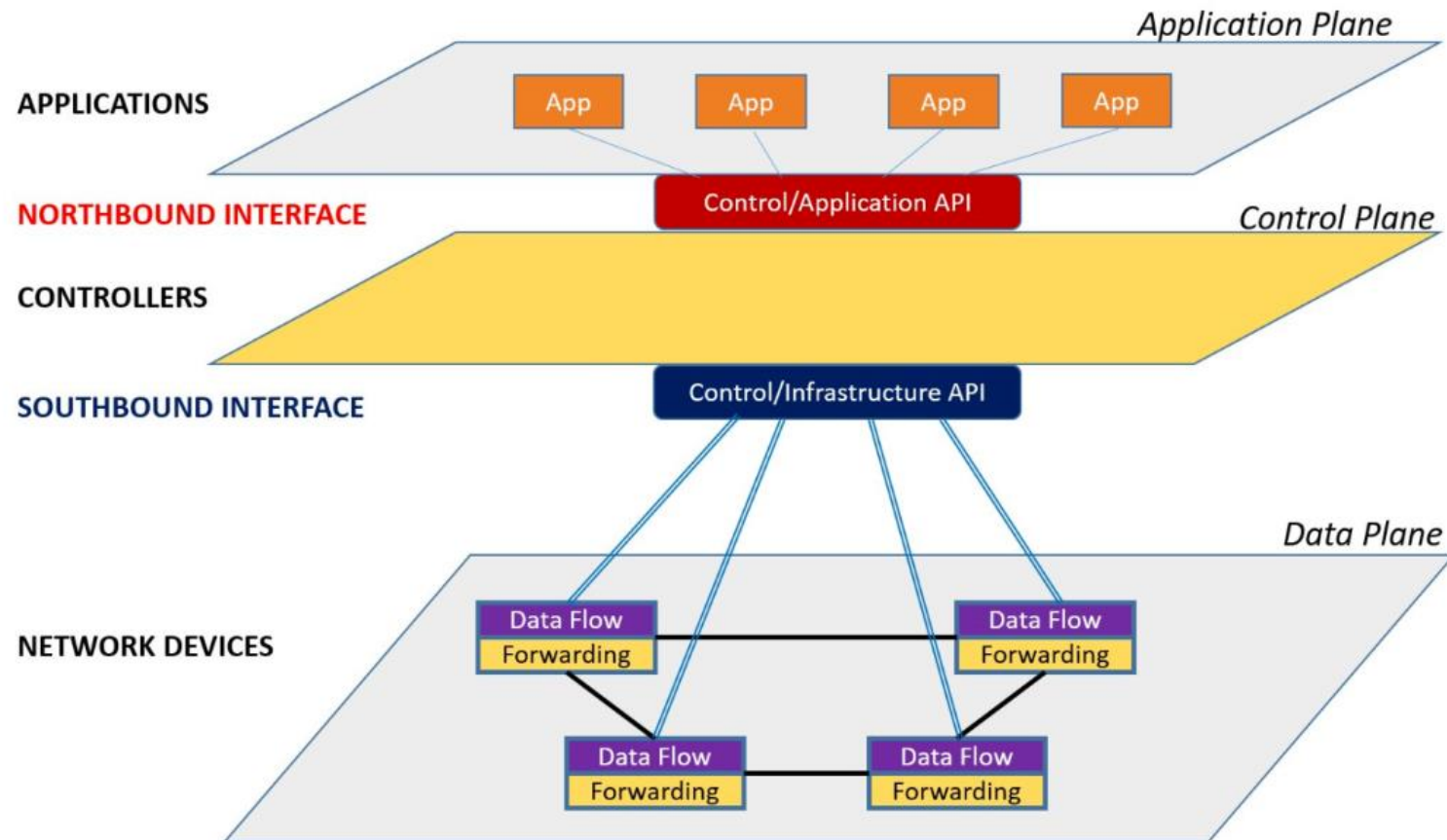
Our strategy is to de-aggregate switches; de-centralise equipment & create network abstraction.

The concept is exactly the same as a computer server.

- Generic hardware
- Operating system layer
- Operating system abstracting the application layer
- Application layer independent of what hardware is running.

Therefore our concept of de-aggregated & abstract network is exactly the same idea for switching & routing hardware.

ABSTRACT NETWORK CONTINUED



GENERIC HARDWARE

With the idea of De-aggregated network we can use a variety of hardware to implement our De-aggregated network switch.



OPEN OS

We use open Linux as our operating system of choice where special switching & routing libraries exist for operation system level functionality of switch & router.



LEVERAGING SDN SWITCH **CORD**

A great example of leveraging SDN is the **CORD**

(Central Office Re-architected as a Datacenter)

platform leverages SDN (software Defined Networking), NFV (Network Function Virtualisation) and Cloud technologies to build agile datacenters for the network edge. Integrating multiple projects, CORD delivers a cloud-native, open, programmable, agile platform for network operators to create innovative services.

CORD VISION

In our cord vision the high capacity switch is installed in outdoor cabinets or in large buildings.

- This replaces the Digital Loop carrier which has many limitations & issues.
- The front end high capacity Fiber links could be connected to FTTH OLTs
- VOIP delivery could be done with FTTH ONU with VOIP FXS (Analog port) phones to subscribers.

De-Aggregated Distributed Intelligent service delivery at a fraction of cost using our software developed switching solutions.

high-availability
scalability
performance

THANK YOU