



STOCKAGE &

Une approche novatrice au service de vos projets.

VIRTUALISATION

Vous voulez prendre de la hauteur ? Suivez le guide.

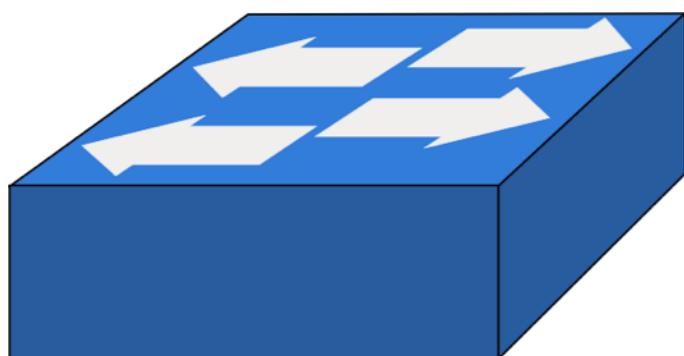




Les Journées Systèmes (JoSy)



**Enfin de le monde du réseau
s'ouvre...**





Stockage, Virtualisation, Infrastructure



[@AlyseoDotCom](https://twitter.com/AlyseoDotCom)





ARISTA

Switch datacenter 10 GbE



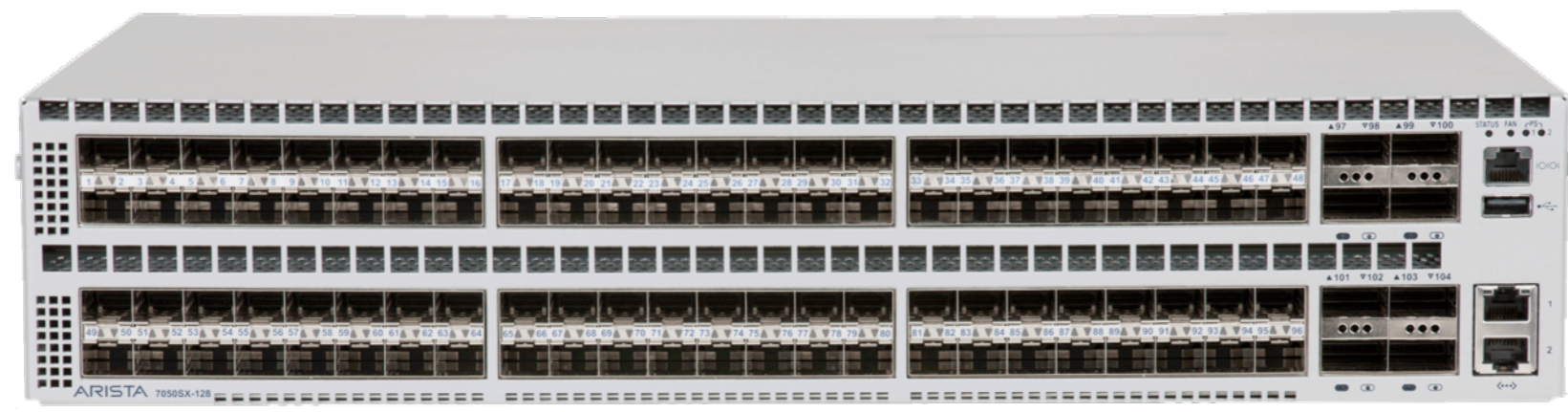
Linux Debian pour le réseau



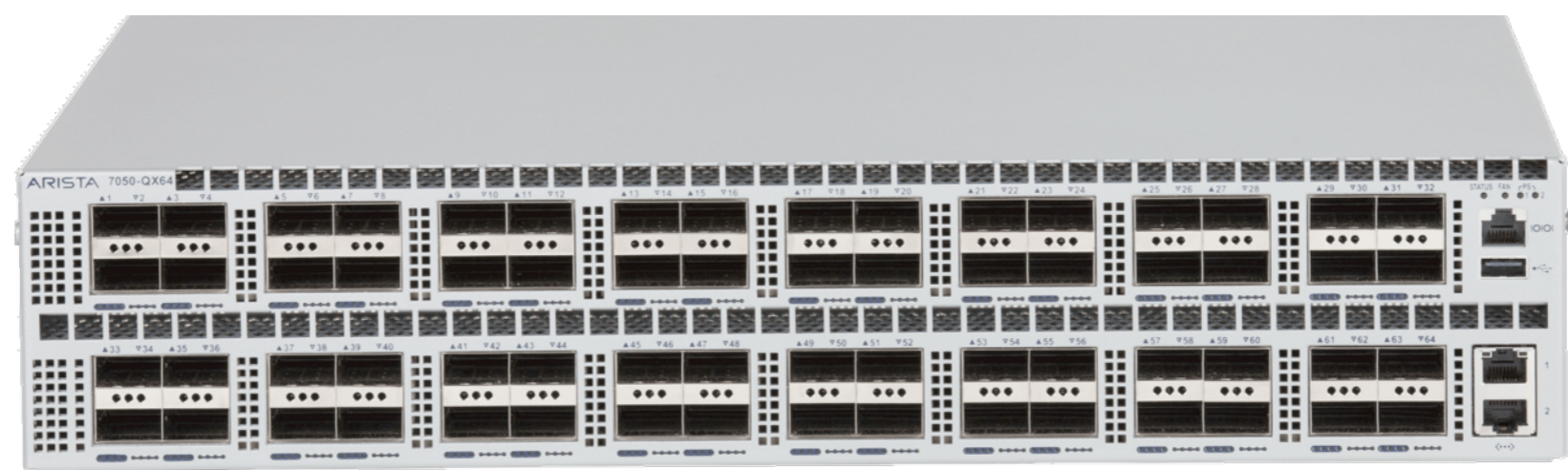
ARISTA : Haute densité et greenIT



32x40G; 96x10G + 8x40G



96x10G + 8x40G



64x40G; 256x10G

ARISTA : SDN mon amour !



7048T 1Gb Ethernet Switch



7048T-A 1Gb Ethernet Switch



7050Q-16 40Gb Ethernet Switch



7050S-52 10Gb Ethernet Switch



7050S-64 10Gb Ethernet Switch



7050T-52 10Gb Ethernet Switch



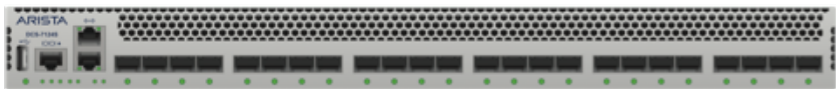
7050T-64 10Gb Ethernet Switch



7120T 10Gb Ethernet Switch



7124FX 10Gb Ethernet Switch



7124S 10Gb Ethernet Switch



7124SX 10Gb Ethernet Switch



7140T 10Gb Ethernet Switch

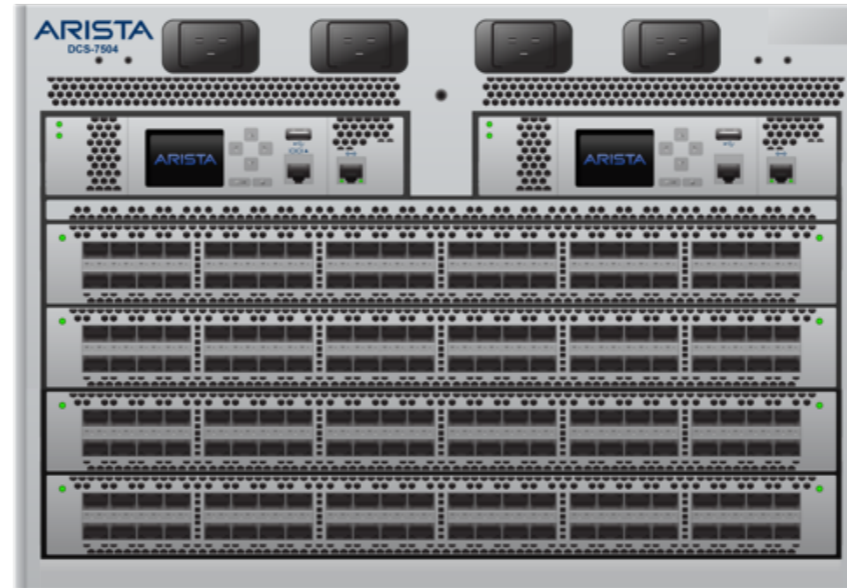


7148S 10Gb Ethernet Switch

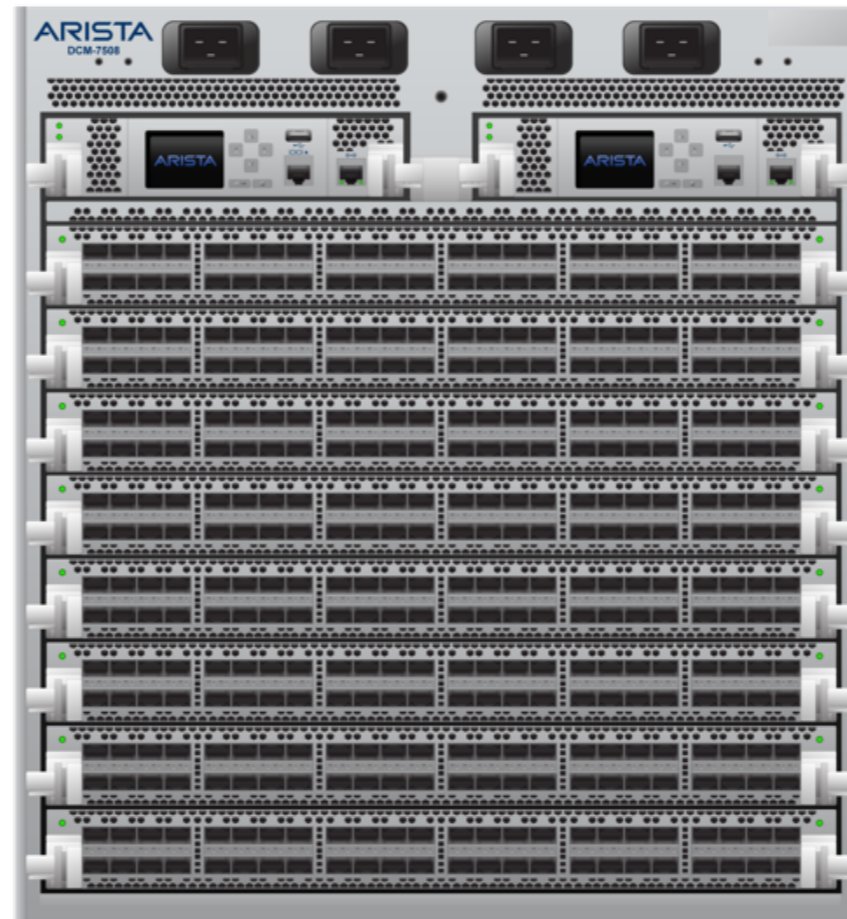


7148SX 10Gb Ethernet Switch

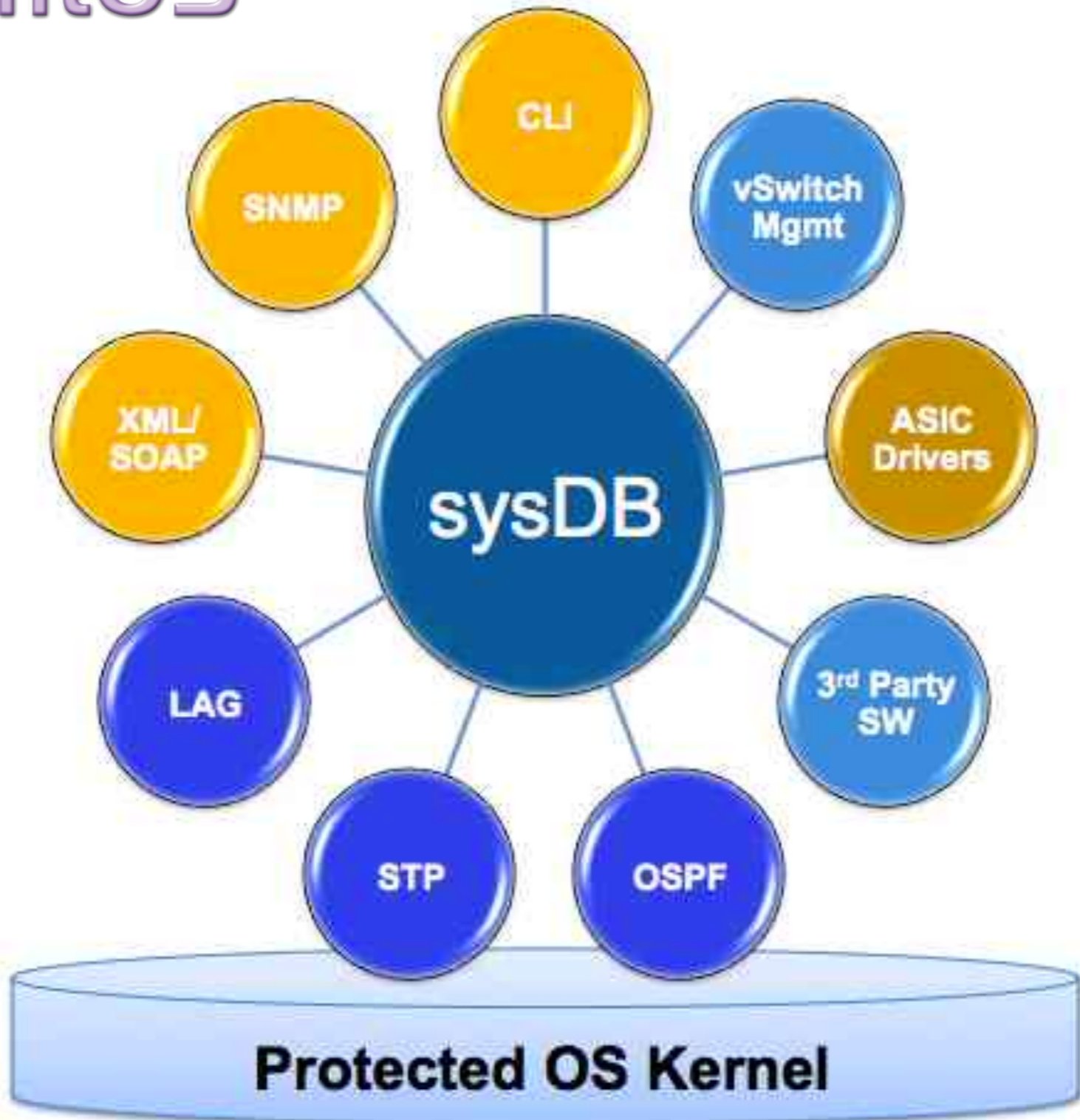
7504 10Gb Ethernet Switch



7508 10Gb Ethernet Switch



ARISTA : Linux inside



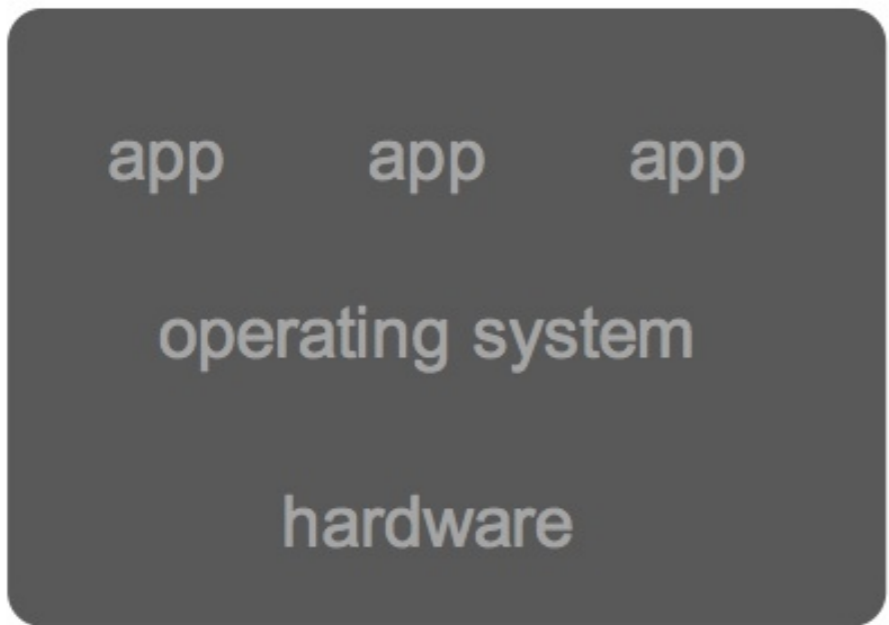
ARISTA : Ouverture et coopération



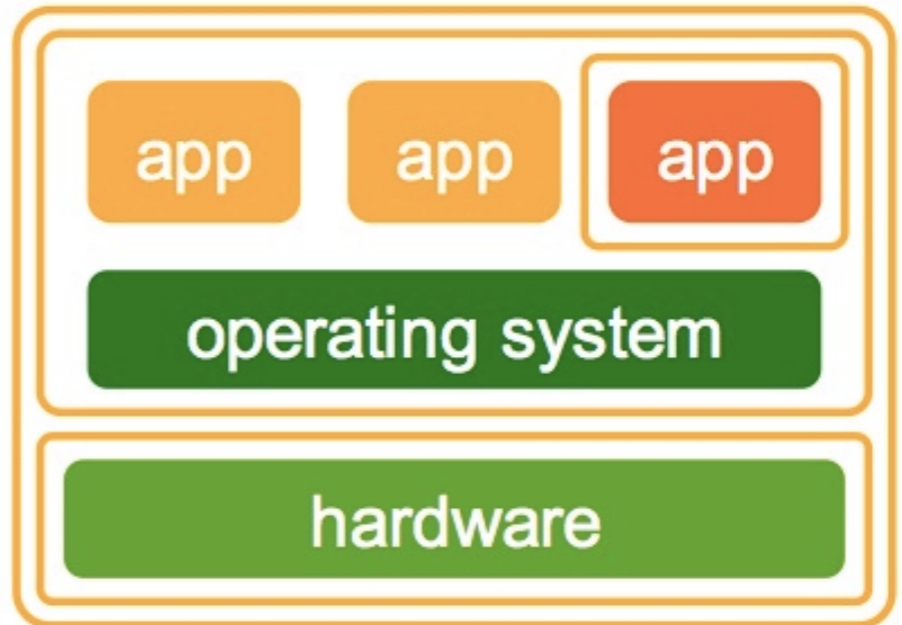
Servers	Storage	Infrastructure	Virtualization	Network Virtualization/ SDN	Layer 4-7	NICs'	Financial Services	Cloud MGMT



It's time to Disaggregate the Network



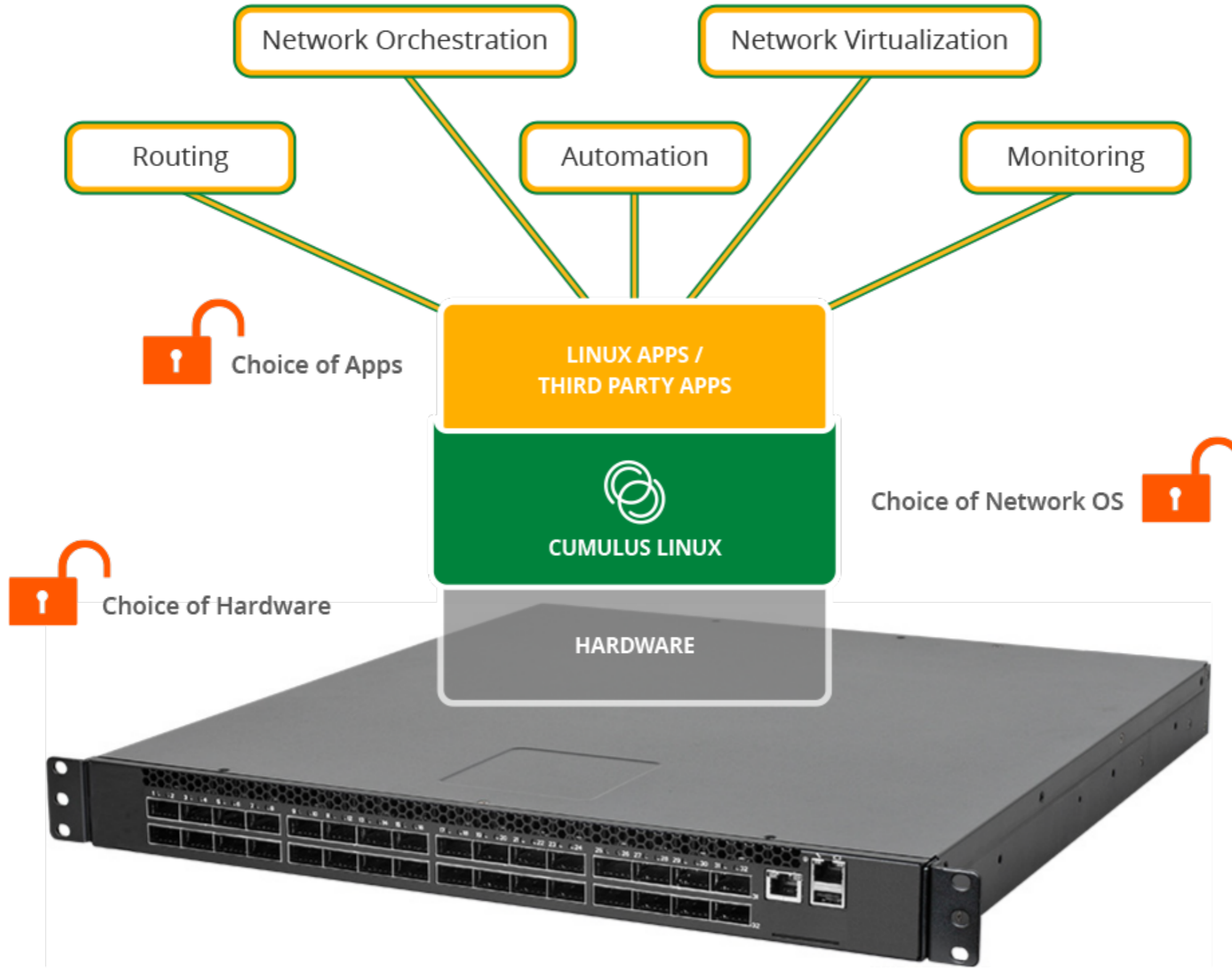
“Single Vendor Blob”
Complex monolithic systems that lock in and don't scale



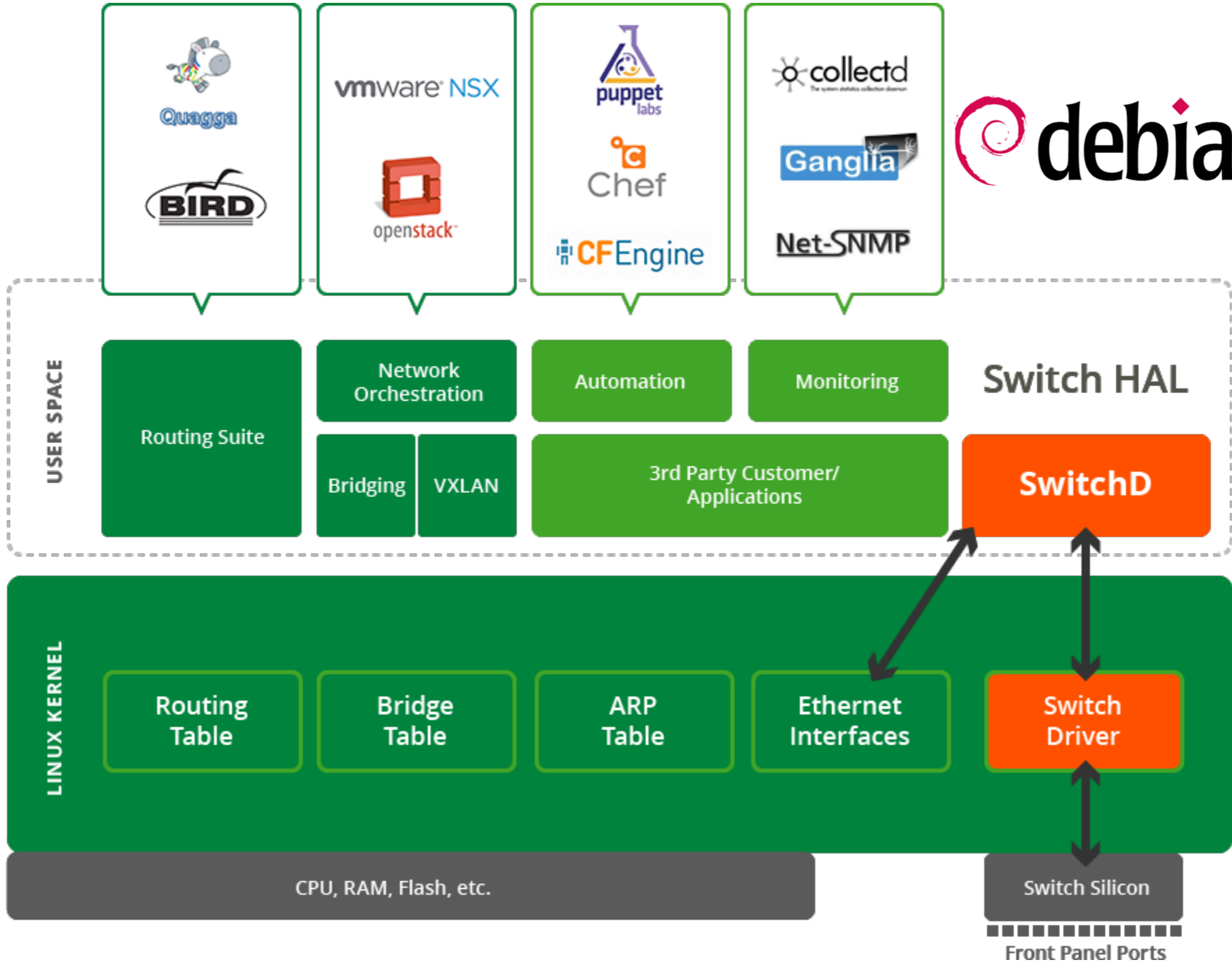
Best-of-breed Ecosystem
Agile, open, scalable with unprecedented cost savings



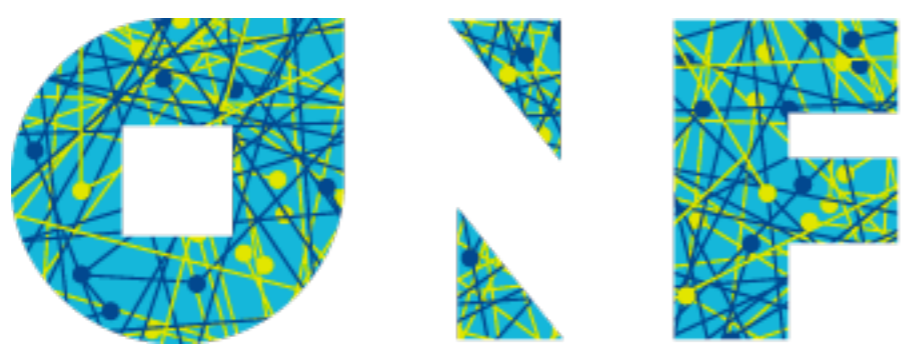
cumulus networks :



cumulus networks : Juste Linux...



 **debian**



OPEN NETWORKING
FOUNDATION

FAQs

SDN is an exciting advance in network architecture evolution that increases management efficiency and helps administrators better align network resources with business requirements. ONF is the steward of the OpenFlow™ Standard, which was the first open programming interface for SDN.



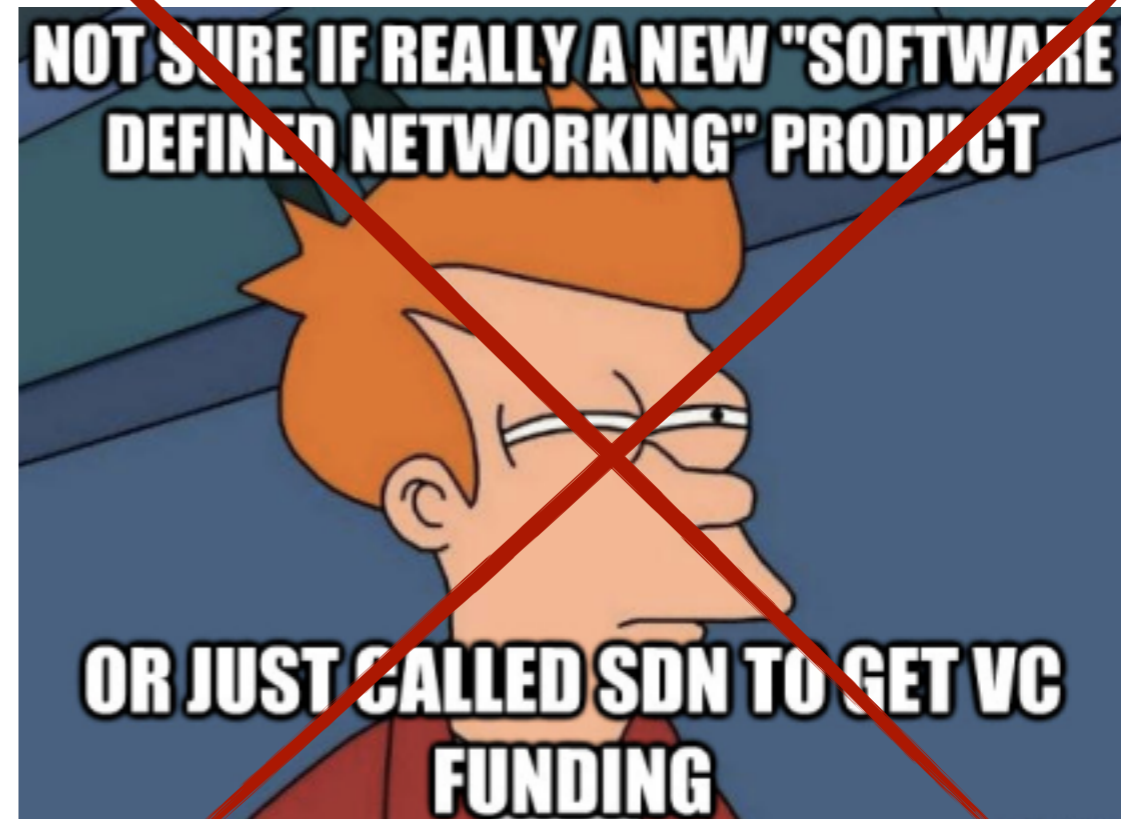
Spanning tree



4096 VLANs

TRILL / SPB

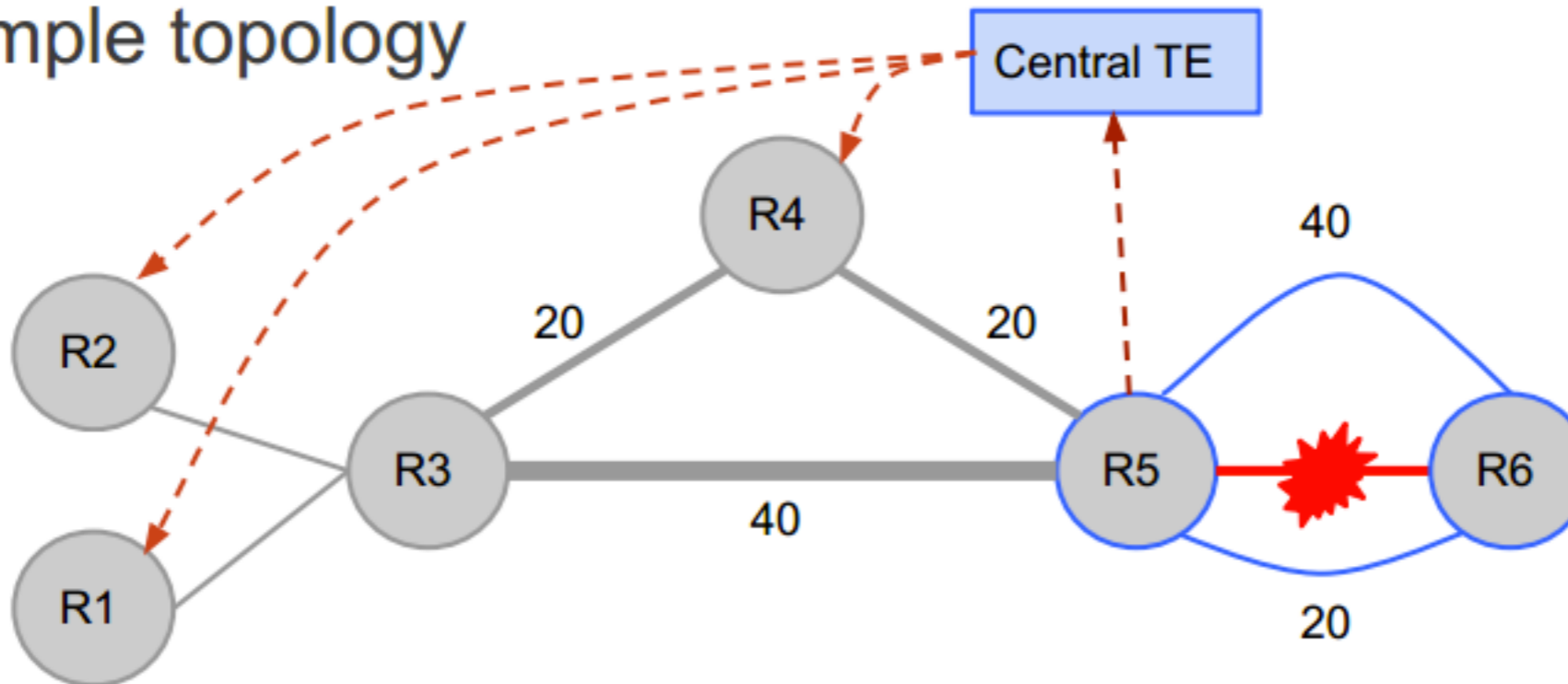
VXLAN



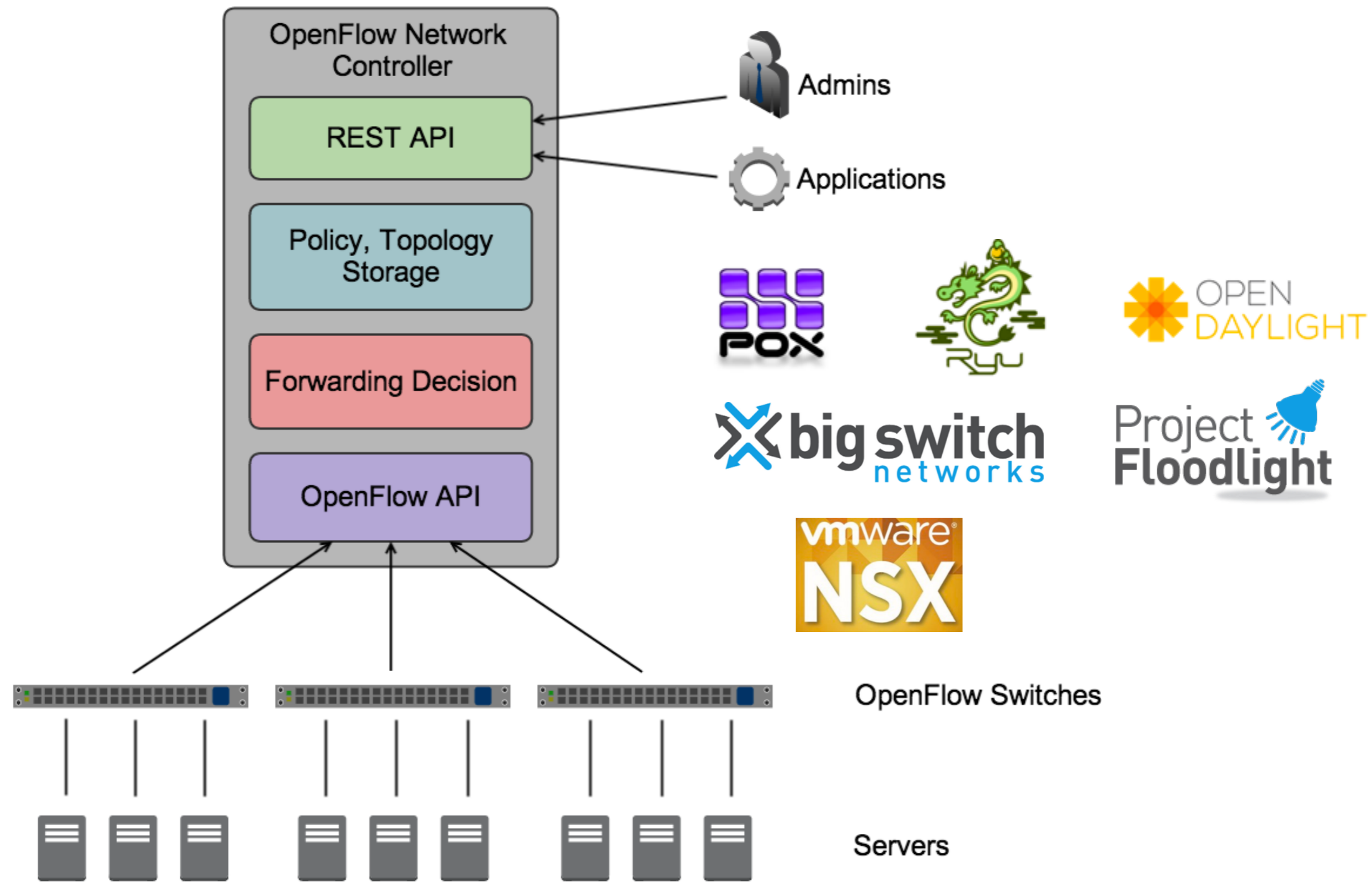


Centralized Traffic Engineering Google™

- Simple topology



- Flows:
 - R1->R6: 20; R2->R6: 20; R4->R6: 20
- R5-R6 fails
 - R5 informs TE, which programs routers in one shot



Hardware



OpenFlow 1.4

OPEN VSWITCH

An Open Virtual Switch

Comparaison

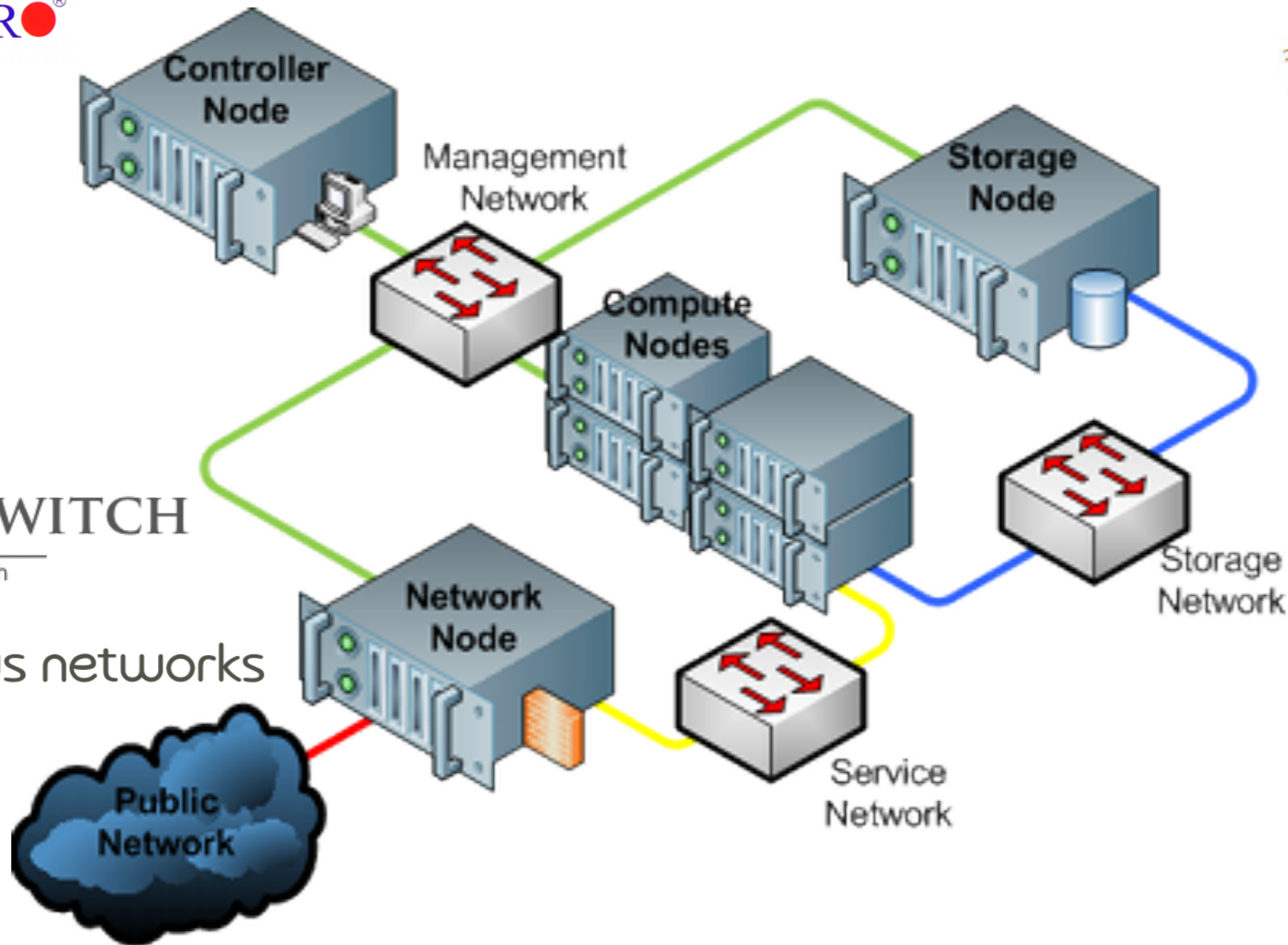


	Arista	Cumulus	OpenFlow HW	OpenFlow OVS / DiY
Scalabilité	Orange	Orange	Green	Green
Simplicité	Green	Green	Orange	Red
L2	Green	Orange	Green	Green
L3	Green	Green	Green	Green
OpenFlow	Orange	Red	Orange	Green
HW agnostic WB	Red	Green	Orange	Green
Coûts / ROI	Orange	Green	Green	Green

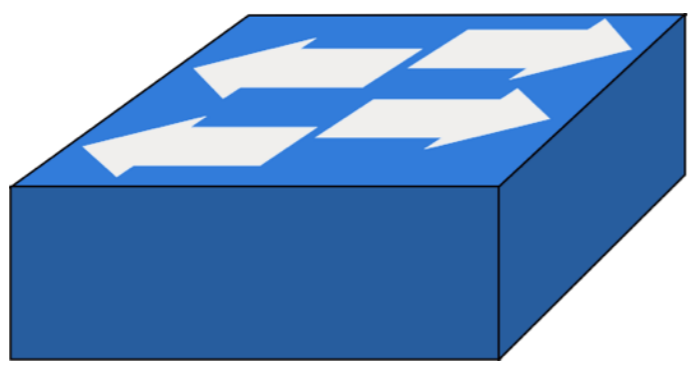


OPEN VSWITCH

An Open Virtual Switch



Tendances et à suivre...



OPEN VSWITCH
An Open Virtual Switch



Stockage, Virtualisation, Infrastructure



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